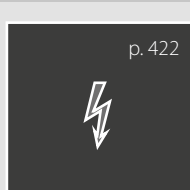
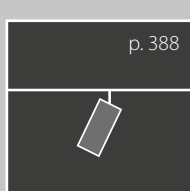
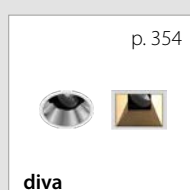
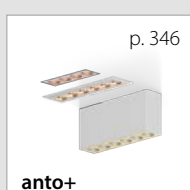
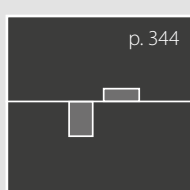
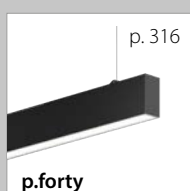
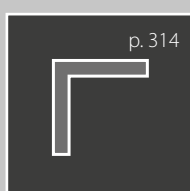
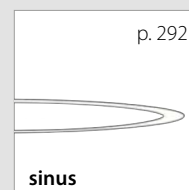
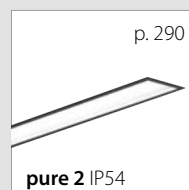
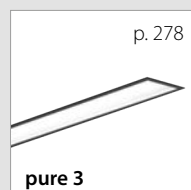
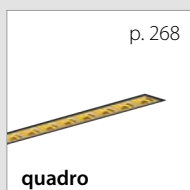
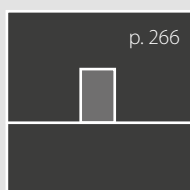
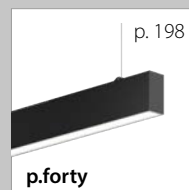
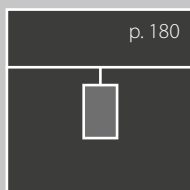
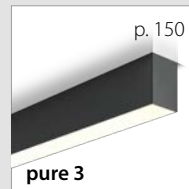
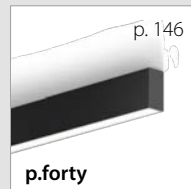
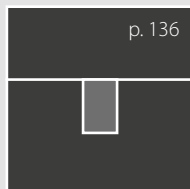
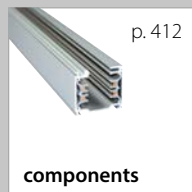
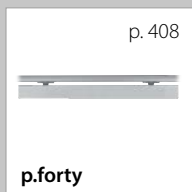
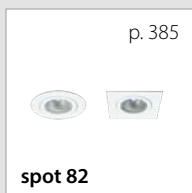
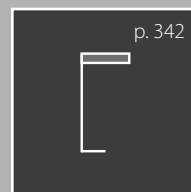
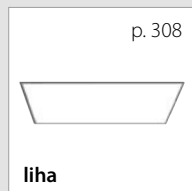
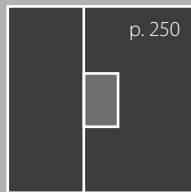
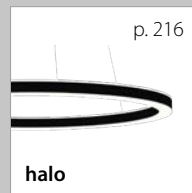
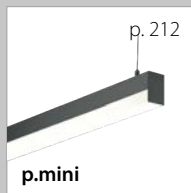
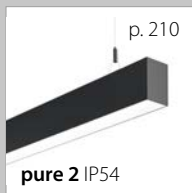
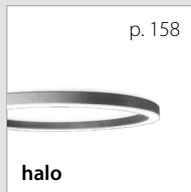




planlicht

JAMES





JAMES

PAINTING **LIGHT**



PAINTING **LIGHT**

Valued partners, dearest planlicht friends,
the element LIGHT stands for LIFE.

Light at the highest stage is our passion, for this purpose the people at planlicht commit.
Look further on forward to a collaborative, favourable and long-ranging cooperation.
Place your trust in us.

Light floods out from ideas, raises issues and demands answers.

Your Felicitas & Gerald Kohler

Chers partenaires et amis de planlicht,

La LUMIERE c'est la VIE.

La lumière et sa technologie sont notre passion et nous nous y consacrons entièrement.
Avec planlicht, vous pouvez compter sur un partenariat coopératif, amical et à long terme.
Faites-nous confiance.

La lumière jaillit des idées, soulève des questions et exige des réponses.

Felicitas & Gerald Kohler

Cari partner, cari amici planlicht,

L'elemento LUCE rappresenta VITALITÀ.

Luce ad altissimo livello è la nostra passione, per il quale si impegna la gente di planlicht.
Anche in futuro Le aspetta una collaborazione continua, una cooperazione benevola ed a lungo termine.
Ci dia la Sua fiducia.

La luce solleva domande e richiede delle risposte.

Sua Felicitas & Suo Gerald Kohler

soon

NEW MANUFACTURING SITE
in Murau, Austria, starts
manufacturing components

The next generation:
Handover to owner and
CEO Felicitas Kohler

2013

2003

pure: The first architectural
fitting by PLANLICHT
comes out

PLANLICHT starts
manufacturing luminaires

1989

1986

Hans Findl founds PLANLICHT in the
small town of Vomp, Austria



Geschätzte Partner,
liebe planlicht-Freunde,

das Element LICHT steht für LEBEN.
Licht auf höchstem Niveau ist unsere Passion, hierfür verpflichten sich die
Menschen bei planlicht.

Freuen Sie sich auf eine weiterhin partnerschaftliche, wohlwollende und
langfristige Zusammenarbeit.
Schenken Sie uns Ihr Vertrauen.

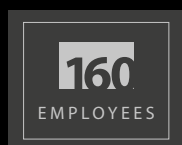
Licht fängt sich in Ideen, wirft Fragen auf und verlangt nach Antworten.

Felicitas Kauer *Gerald Kohler*

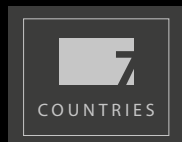
Ihre Felicitas & Ihr Gerald Kohler



AUSTRIAN QUALITY



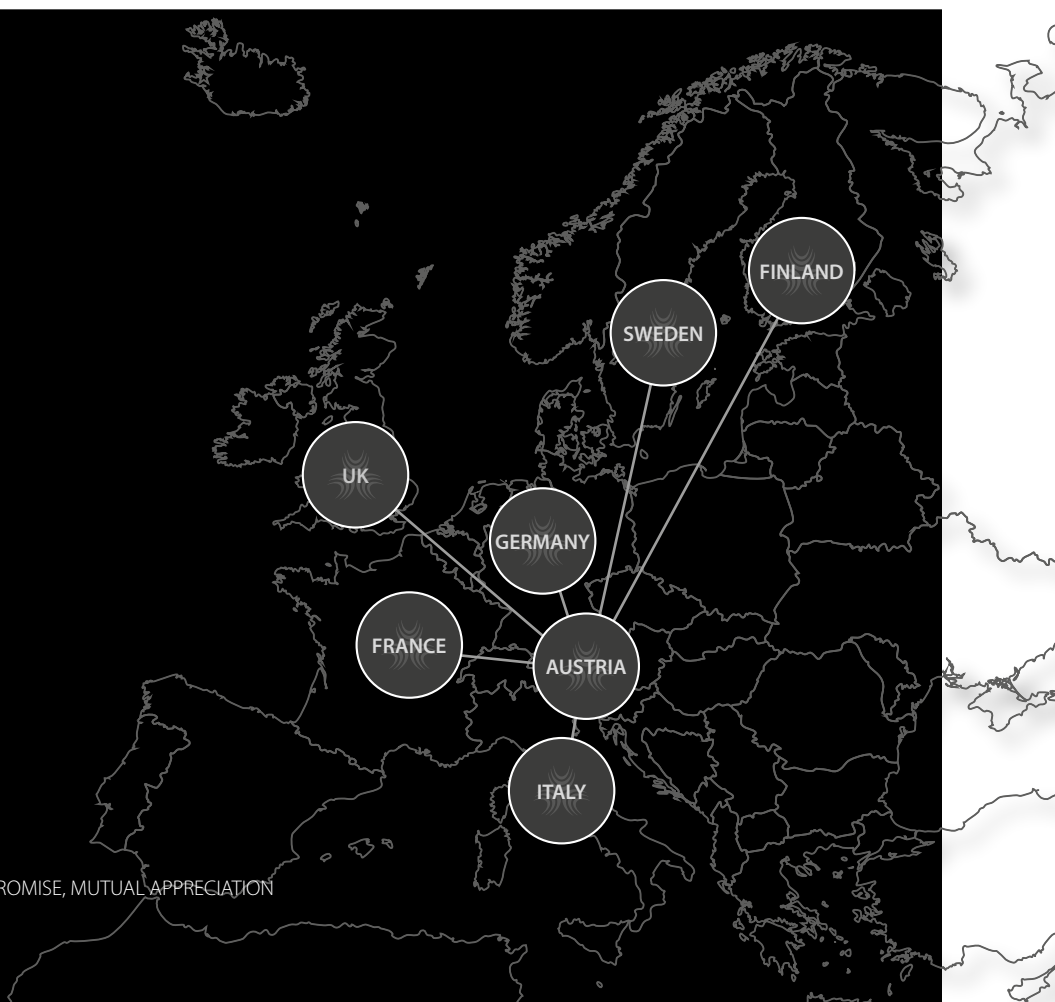
FULL OF PASSION FOR YOUR PROJECTS

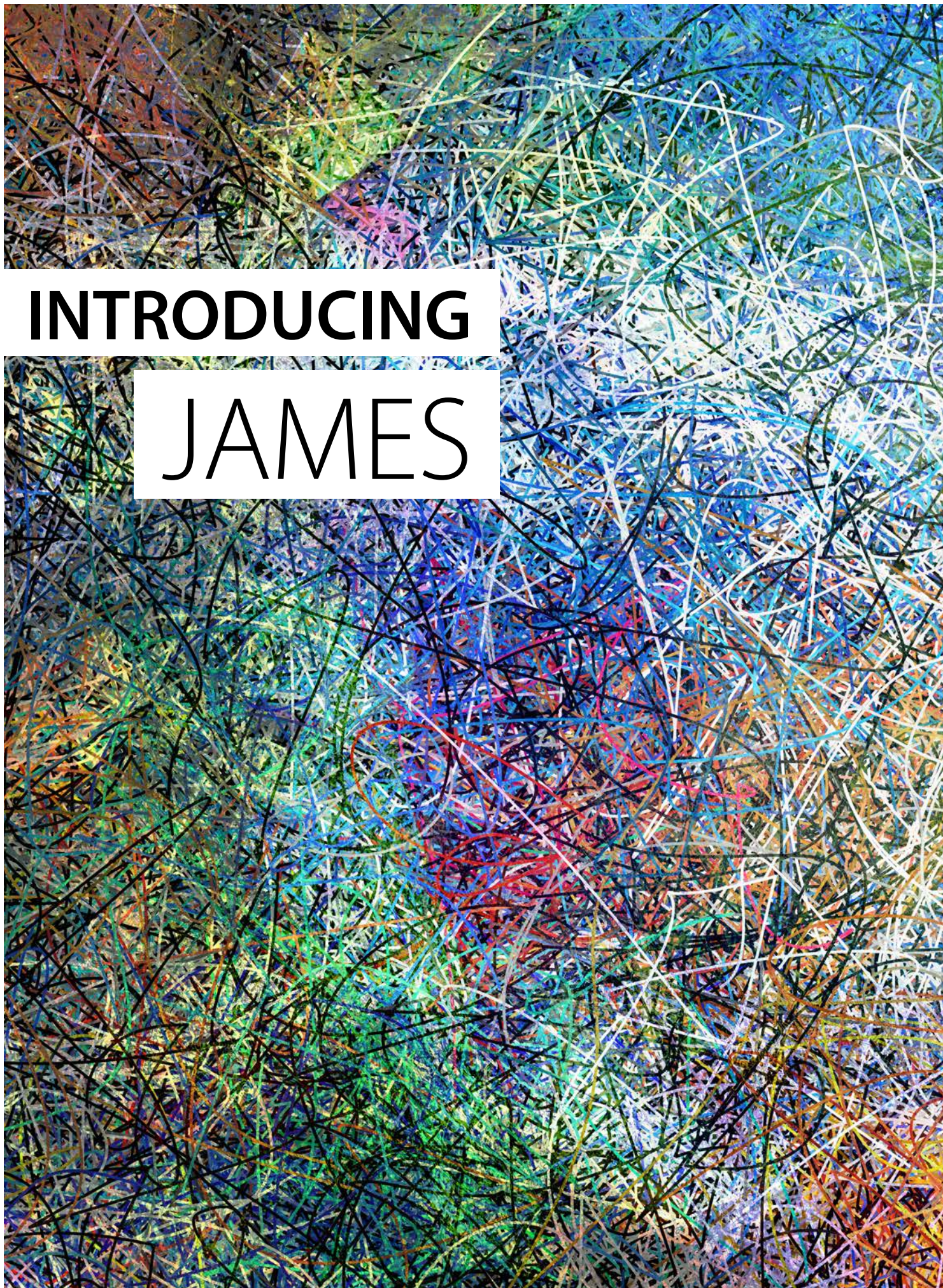


WITH PLANLICHT OFFICES TO BE CLOSE TO YOU



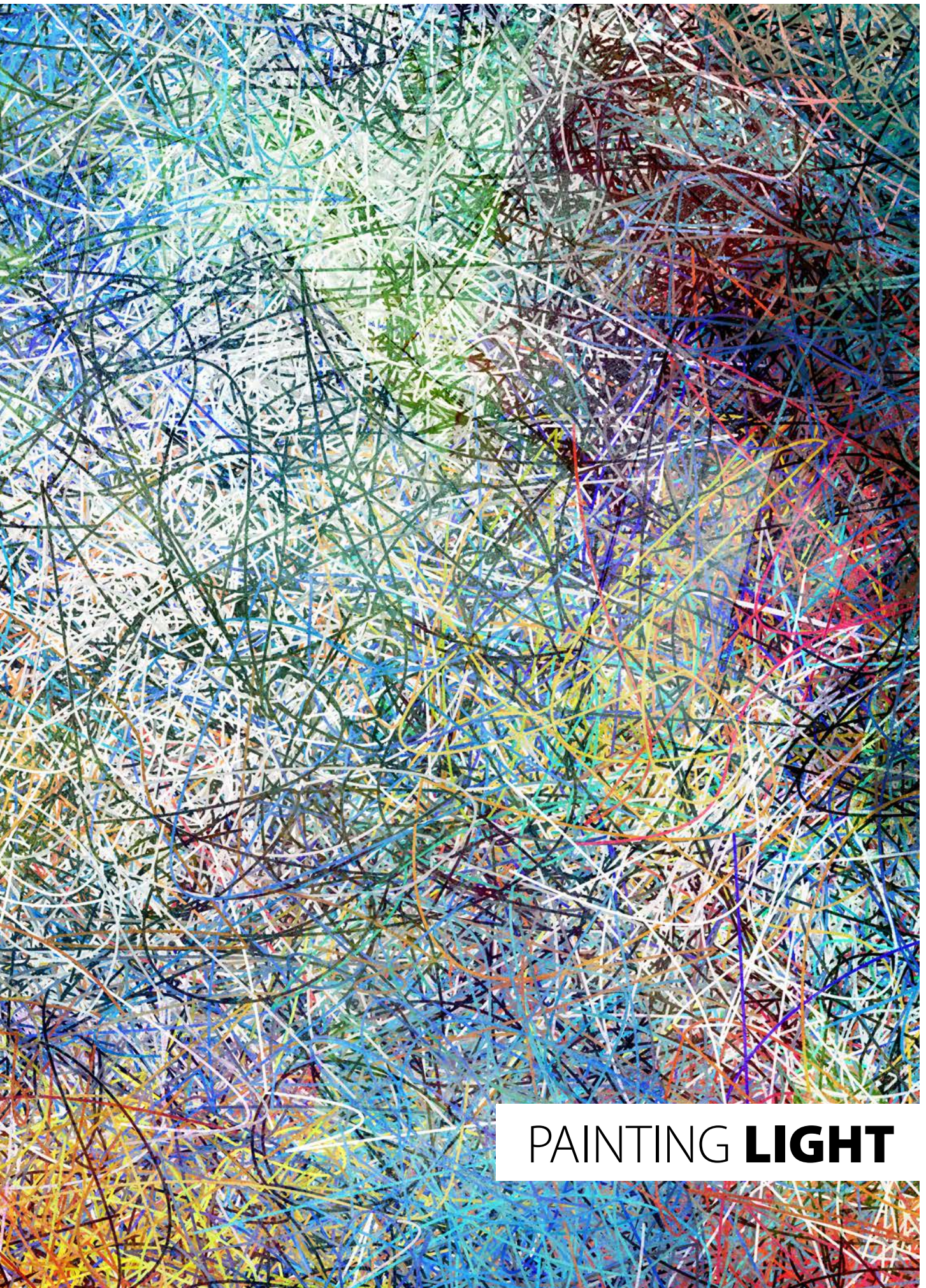
QUALITY, STABILITY, PARTNERSHIP, HANDSHAKE PROMISE, MUTUAL APPRECIATION





INTRODUCING

JAMES



PAINTING **LIGHT**

Creativity, Courage and Aesthetic Sense

JAMES the artist will take you on a journey of discovery, and there will be a lot of things to explore. Beyond norms and mere principles of technique, what JAMES yearns for is something different: bringing the pure beauty of light closer to you. This is not about esotericism. No. Rather, he plays with light and shadow, stroking his fingers gently over the edges of objects. He knows light is the only real parameter of well-being in a room. Light creates moods. JAMES the artist, skilled and determined, exalts the essential without giving into the trivial. The most important is the possibility to paint your visions of the room with light.

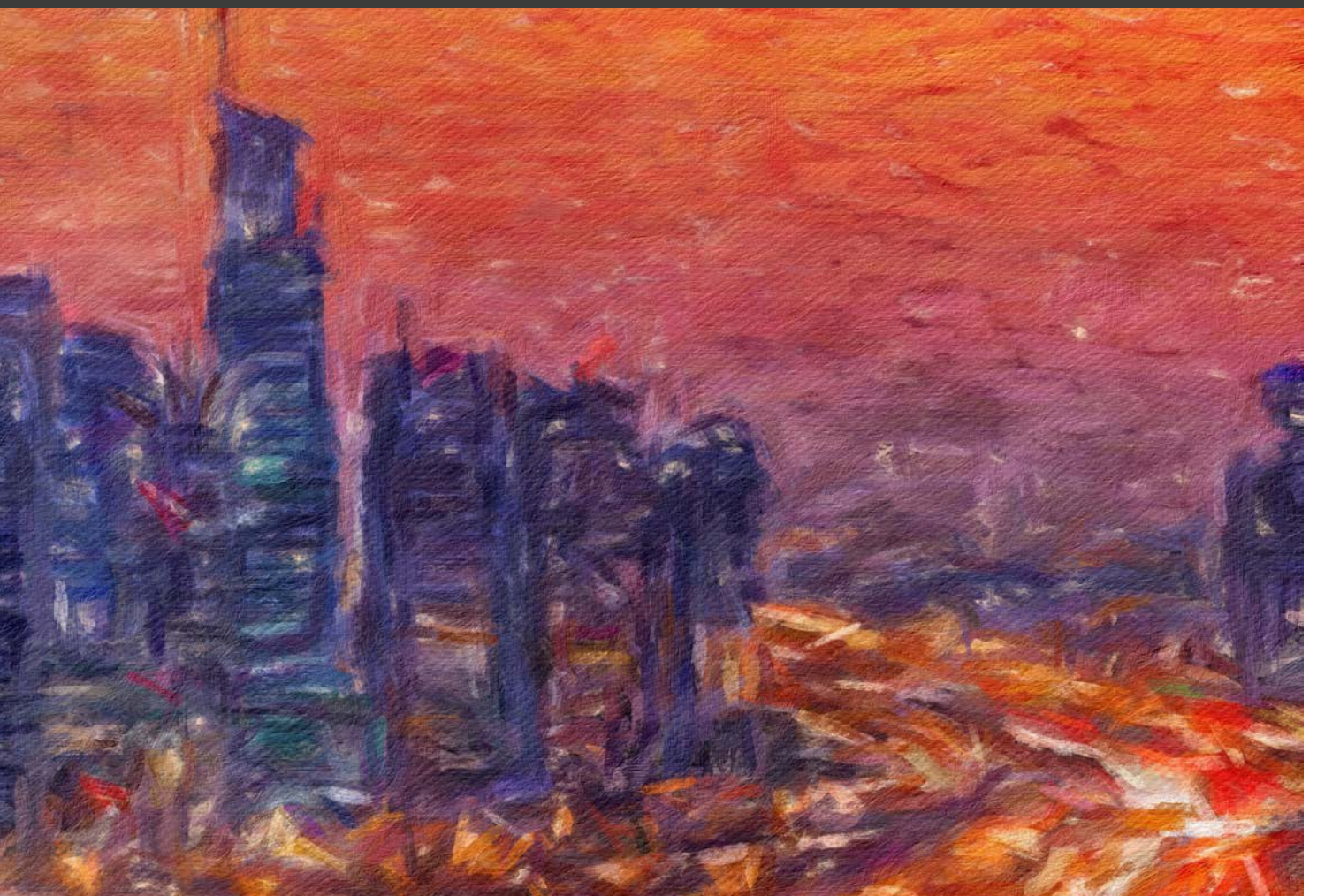
PAINTING **LIGHT**.



PAINTING **LIGHT**

JAMES the artist

PAINT
CREATE



Kreativität, Mut und Sinn für Ästhetik

JAMES der Künstler will Sie auf eine Entdeckungsreise entführen. Und es gibt einiges zu entdecken. Abseits von Normen und kalten technischen Werten möchte er nur eines: Ihnen die schlichte Schönheit des Lichtes nahebringen. Er hat dabei keinen esoterischen Anspruch. Nein. Vielmehr spielt er mit Licht und Schatten, lässt seine Finger geschmeidig über klare Kanten gleiten und weiß, dass Licht der einzig wahre Parameter für das Wohlbefinden im Raum ist. Dass Licht die Stimmung macht. Kompetent und zielstrebig hebt JAMES der Künstler das Wesentliche hervor und verliert sich nicht in Nebensächlichkeiten. Denn das Wichtigste sind Ihre Möglichkeiten, Ihre ganz persönlichen Ideen mit Licht in den Raum zu malen. PAINTING **LIGHT**.

Créativité, courage et sens de l'esthétique

JAMES, l'artiste, aimerait vous séduire lors d'un voyage de découverte. Et nombreuses sont les choses à découvrir. Loin des normes et des valeurs techniques, il n'a qu'un seul but : mieux vous faire connaître la pure beauté de la lumière. Cela n'a rien à voir avec l'ésotérisme. Pas du tout. En fait, JAMES joue avec la lumière et l'ombre, laisse glisser avec souplesse ses doigts sur les bords des objets et sait que la lumière est le seul véritable paramètre du bien-être dans une pièce. C'est la lumière qui crée l'ambiance. Avec compétence et détermination, JAMES l'artiste met l'accent sur l'essentiel et ne se perd pas dans les trivialités. Car le plus important est que vous puissiez peindre vos propres idées avec la lumière. PAINTING **LIGHT**.

Creatività, coraggio e senso estetico

JAMES l'artista vi guiderà in un viaggio all'insegna delle scoperte, e ce ne saranno di cose da esplorare. Al di là di norme e meri principi di tecnica, ciò che brama James è ben altro: farvi apprezzare la bellezza pura della luce, ma senza proporsi come una guida esoterica. Lui gioca piuttosto con luci e ombre, lasciando che le dita scivolino dolcemente sui bordi degli oggetti. Sa che la luce è l'unico vero parametro di benessere in una stanza. La luce crea atmosfera. JAMES l'artista, competente e determinato, esalta l'essenziale senza cadere nel superfluo, perché la cosa più importante è la capacità di ricreare con la luce le vostre idee più personali nella stanza. PAINTING **LIGHT**.

p. 014

JAMES the artist

PAINT CREATE

01 OFFICE	p. 016
02 RETAIL & HOSPITALITY	p. 036
03 SILENCE	p. 056
04 CUSTOMIZE	p. 070
05 COMPETENCE	p. 090
06 HIGHLIGHTS	p. 100
07 SERVICES	p. 124

Competence and a Feeling for Solutions

JAMES the technician knows it all inside out. He knows exactly when, how and where to find the right solution for the perfect idea. With love for the details, he helps you find the right tools for the best lighting plan. With a critical eye for quality and reliability, he will guide and support you through the project, walk with you the road from a good idea to the best solution. JAMES the technician, skilled and determined, captures the essential by focusing on your requirements. The most important is the possibility to paint your visions of the room with light.

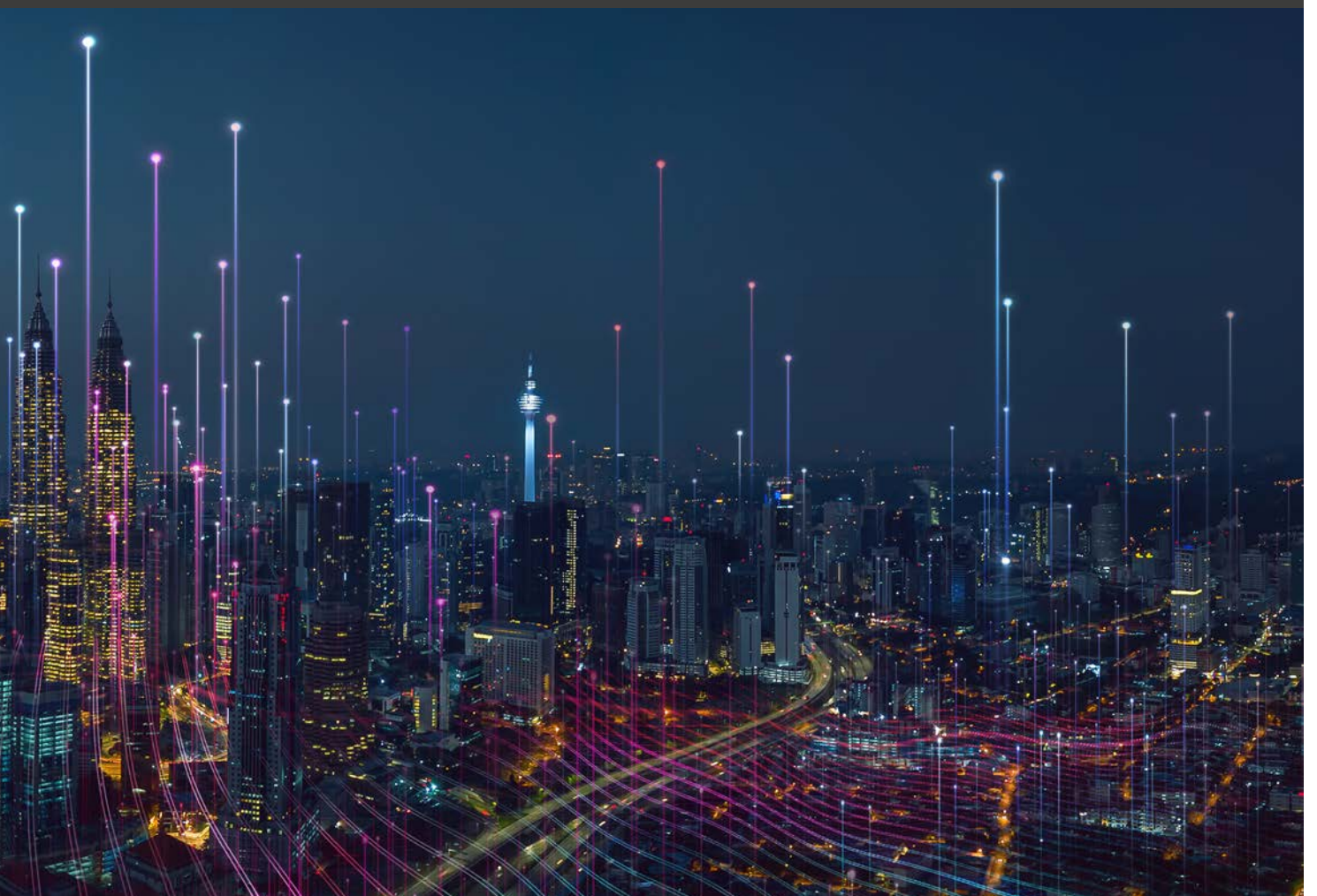
PAINTING **LIGHT**.



PAINTING **LIGHT**

JAMES the engineer

COMPOSE DESIGN



Kompetenz und Sinn für Lösungen

JAMES der Techniker kennt sich aus. Er weiß genau, was wann wie wo die richtige Lösung für die richtige Idee ist. Mit detailverliebter Akribie stellt er Ihnen die passenden Werkzeuge zur Seite, damit Sie das beste Produkt für die beste Beleuchtung finden. Immer mit einem scharfen Auge auf Qualität und Verlässlichkeit reicht er Ihnen die helfende Hand, unterstützt Sie in Ihrem Projekt und geht ein Stück des Weges mit Ihnen. Damit aus jeder guten Idee auch eine gute Lösung wird. Kompetent und zielstrebig packt JAMES der Techniker beim Wesentlichen an und konzentriert sich auf Ihre Ansprüche. Denn das Wichtigste sind Ihre Möglichkeiten, Ihre ganz persönlichen Ideen mit Licht in den Raum zu malen. PAINTING **LIGHT**.

Compétence et sens de la solution

JAMES, le technicien, connaît son métier. Il sait exactement quand, comment et où se trouve la solution idéale pour réaliser vos idées. Tout en portant une attention méticuleuse aux détails, il vous fournit les outils adéquats pour trouver le luminaire idéal pour obtenir le meilleur éclairage. Toujours soucieux de la qualité et de la fiabilité, il vous aide et vous soutient dans votre projet et vous accompagne tout au long du chemin, de l'idée à sa réalisation. Avec compétence et détermination, JAMES le technicien se concentre sur l'essentiel et sur vos exigences. Car le plus important est que vous puissiez peindre vos propres idées avec la lumière. PAINTING **LIGHT**.

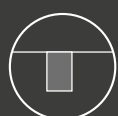
Competenza e senso di scelta

JAMES il tecnico sa il fatto suo. Sa esattamente quando, come e dove adottare la soluzione più giusta per l'idea perfetta. Con una minuziosa attenzione ai dettagli vi presenta gli strumenti adatti per trovare il prodotto per l'illuminazione migliore. Con occhio critico per qualità e garanzia, vi prenderà per mano, sostenendovi nel progetto e percorrendo con voi un tratto del percorso che dall'idea porta alla soluzione più adatta. JAMES il tecnico, competente e determinato, coglie l'essenziale focalizzandosi sulle vostre richieste, perché la cosa più importante è la capacità di ricreare con la luce le vostre idee più personali nella stanza. PAINTING **LIGHT**.

p. 132

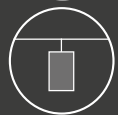
JAMES the engineer

COMPOSE DESIGN



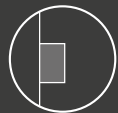
SURFACE-MOUNTED

p. 136



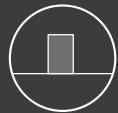
PENDANT

p. 180



WALL MOUNTED

p. 250



RECESSED

p. 266



CUSTOMIZED

p. 314



FLOOR LAMP

p. 342



SPOTS

p. 344



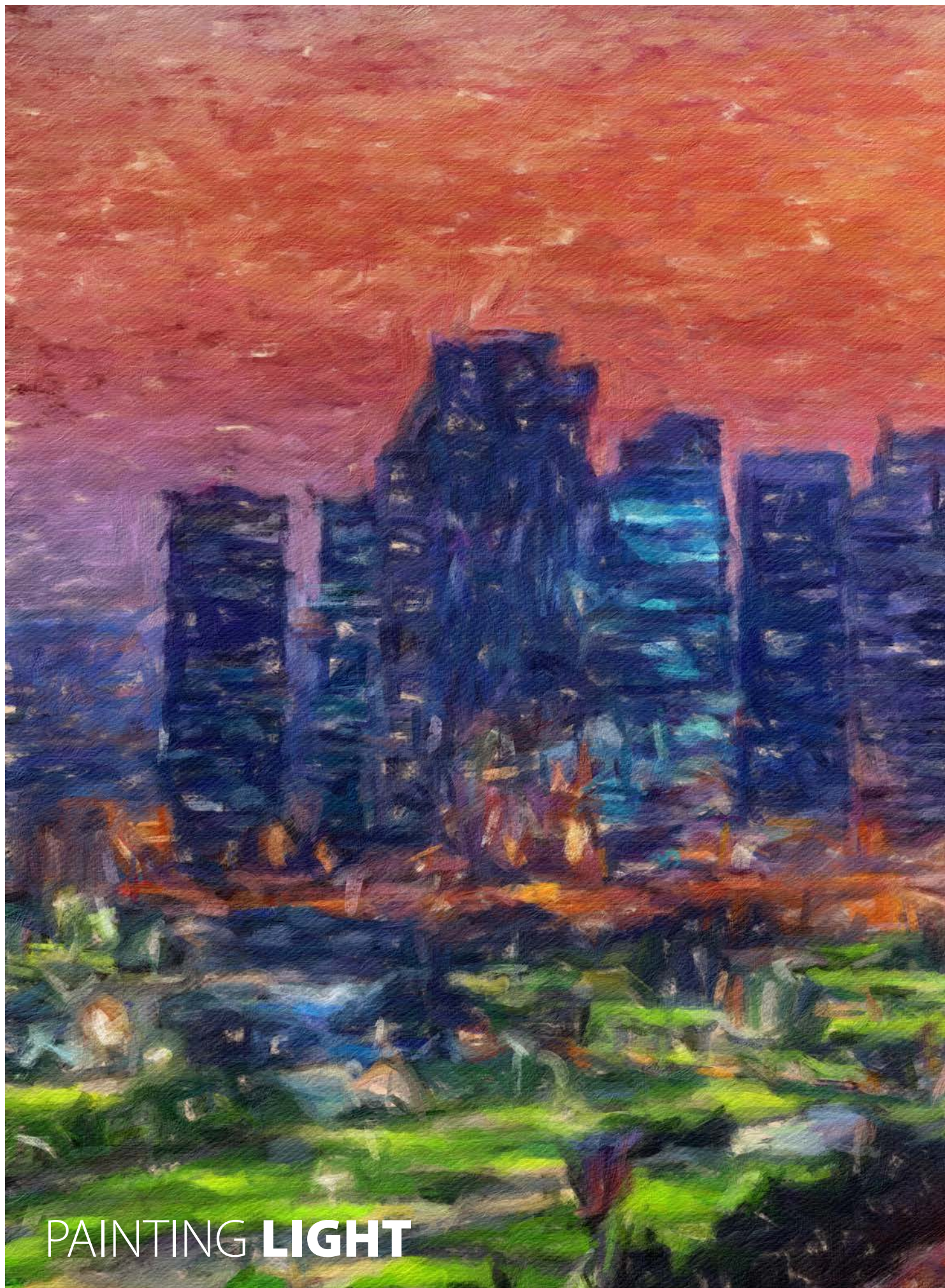
3-PHASE TRACK LIGHTS

p. 388

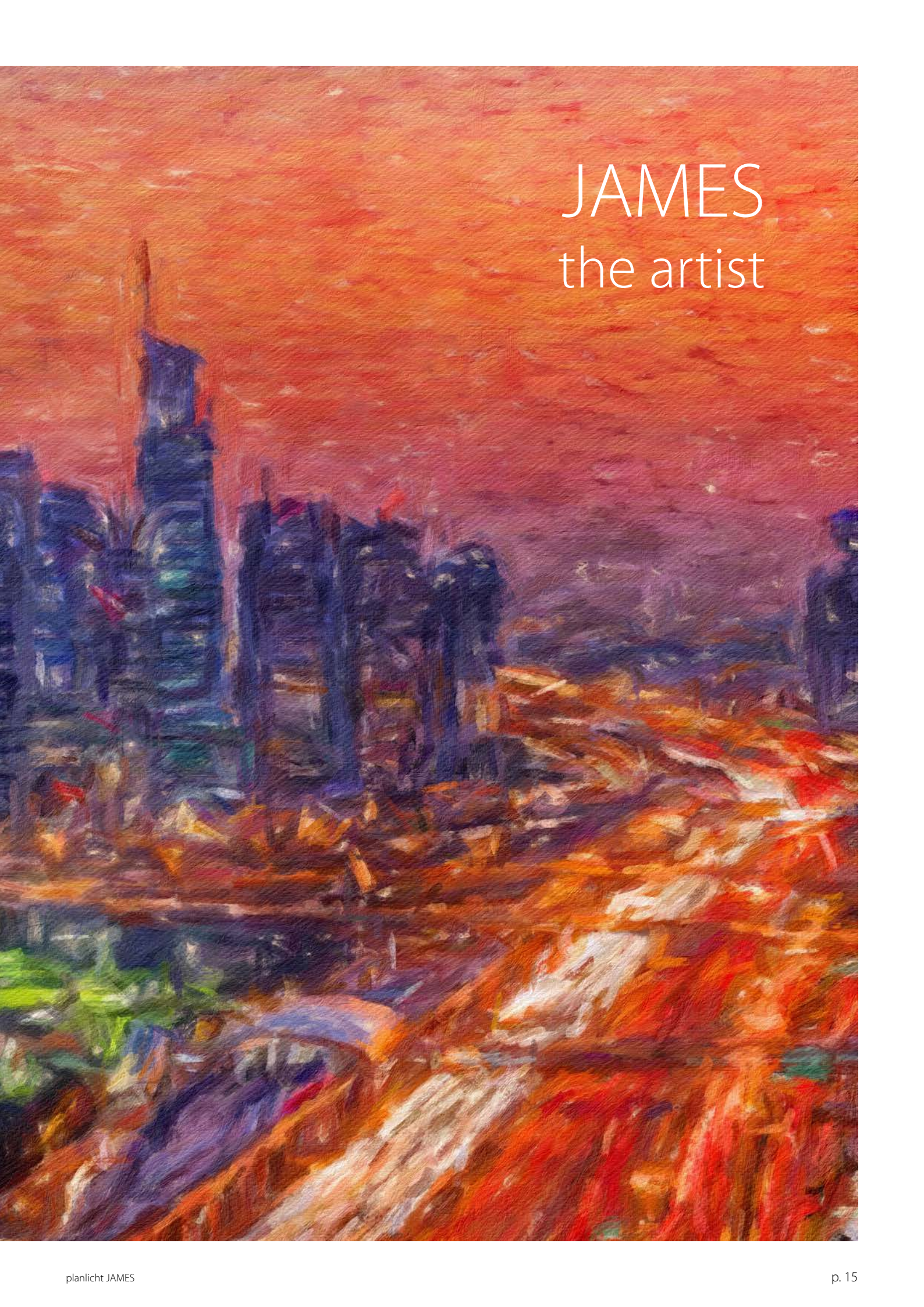


CONTROLS

p. 422



PAINTING **LIGHT**

The background of the page is a large, abstract painting. It features a warm, orange-red sky that transitions into a darker, blue, textured structure on the left. The foreground is filled with vibrant, textured brushstrokes in shades of orange, red, and white, suggesting a landscape or a body of water. The overall style is expressive and colorful.

JAMES

the artist



PAINTING **LIGHT**

01 OFFICE





ILLUMINATING WORKSPACES



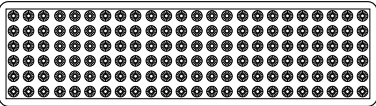
quadro
the slim line

1:1

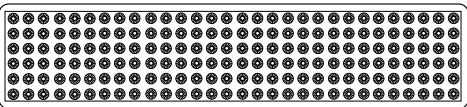


ILLUMINATING WORKSPACES

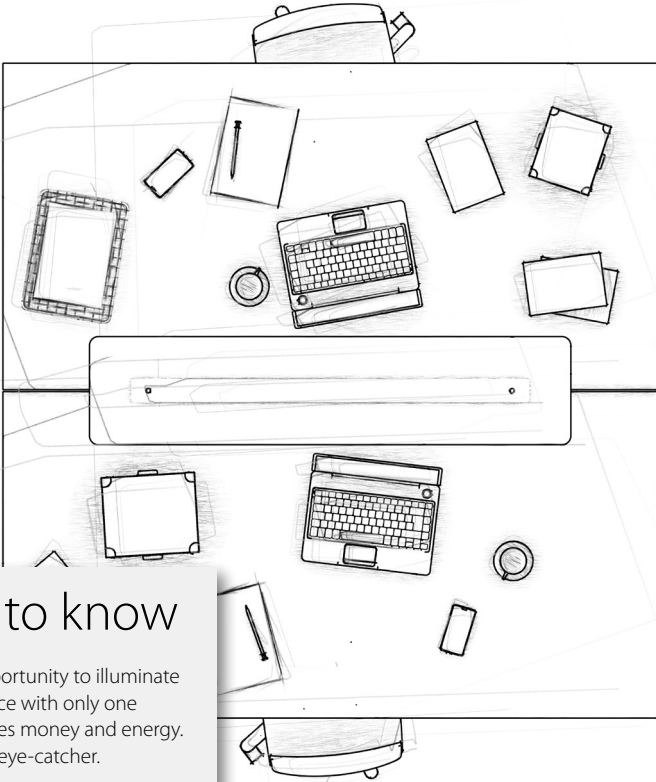
skai



1186



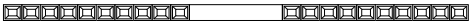
1471



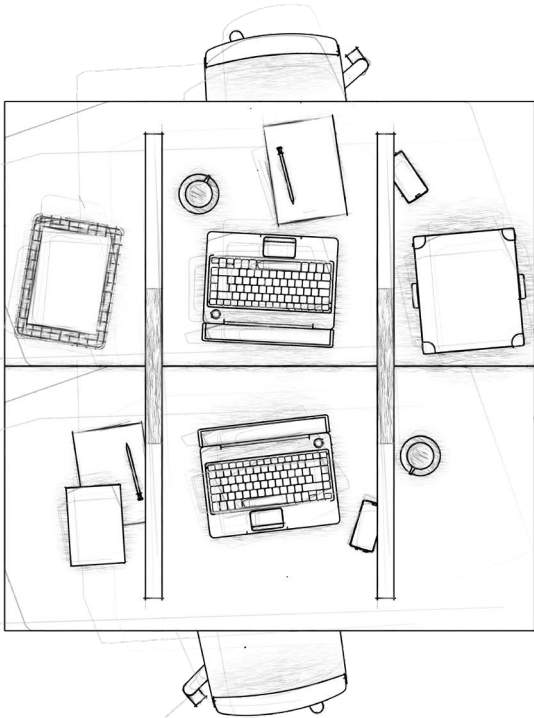
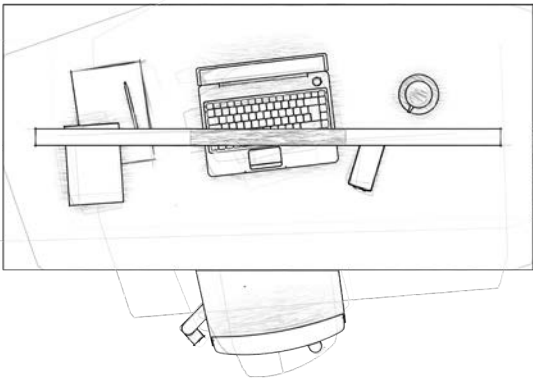
Ideal for table size 180 or 200x 100 cm

GOOD to know

skai offers the opportunity to illuminate a double workspace with only one luminaire. This saves money and energy. And it is a unique eye-catcher.



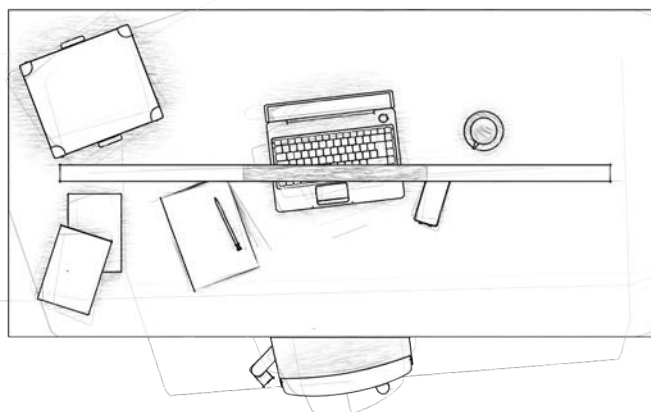
1404



Ideal for table size 160x 80 cm

quadro

OFFICEspecial



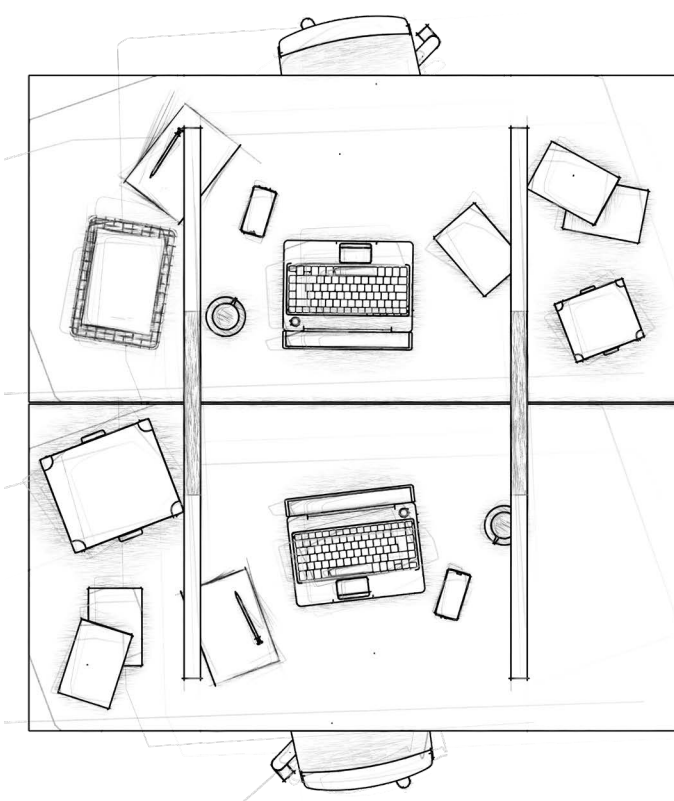
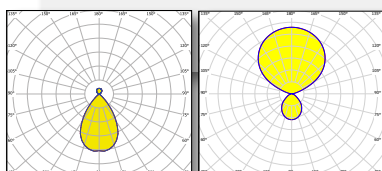
1684

GOOD to know

quadro BAP louvre black provides a **UGR<12** while the white louvre (high output version) has an UGR>19 and is not suitable for office solutions but a decorative talent.

GOOD to know

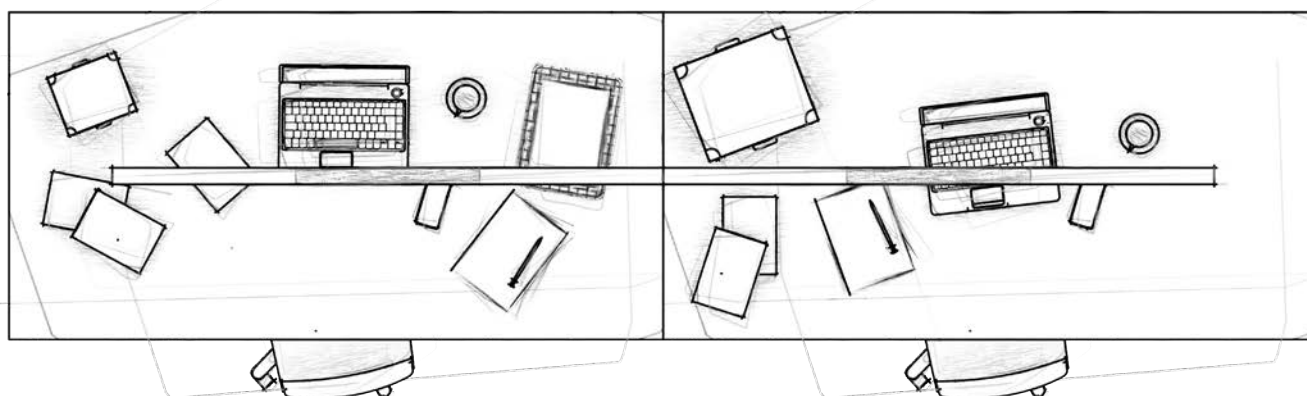
quadro has a standard direct to indirect ratio of up to **79:21**.
On request you can change this for more indirect light to a ratio up to **30:70**.



ideal for table size 180 or 200 x 100 cm



3364



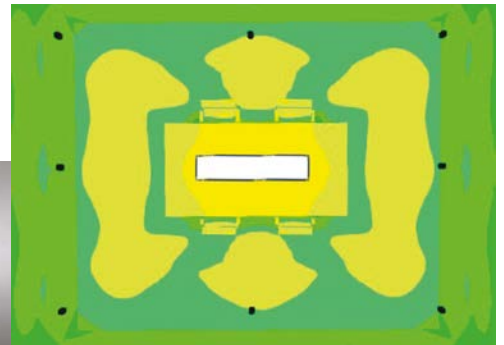
ideal for table size 180 or 200 x 100 cm

ILLUMINATING WORKSPACES

skai

skai pendant luminaire direct/indirect
1471 mm, 58W
Planning example

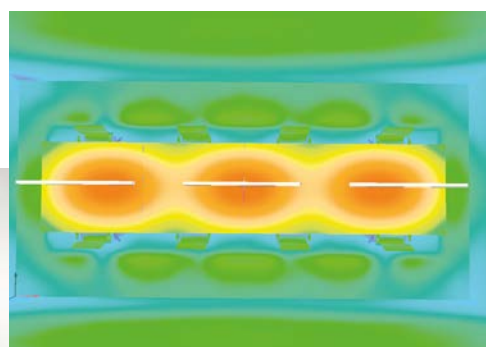
Room dimensions	6.0x5.0x2.8 m
Mounting height	2.3 m
Reflection factors	0.7 0.5 0.2
Maintenance factor	0.8
X=4 H Y=8 H	S=0.25 H
UGR transversal	12.6
Task area	785 lx/0.62
Surrounding area	496 lx/0.66
Background area	403 lx/0.66
Specific connected value	4.17W/m ² = 1.11 W/m ² / 100 lx
Floor area	13.42 m ²
Luminance efficacy	132.8 lm/W



quadro

quadro pendant luminaire direct/indirect
1684 mm, 71 W, BAP
Planning example: 3 fittings for 8 workspaces

Room dimensions	9.0x4.3x2.7 m
Mounting height	1.9 m
Reflection factors	0.7 0.5 0.2
Maintenance factor	0.8
UGR transversal	15.3
Task area	1508 lx
Surrounding area	252 lx
Background area	215 lx
Specific connected value	5.47 W/m ² = 0.96 W/m ² / 100 lx
Floor area	38.7 m ²
Luminance efficacy	119 lm/W



LENS TECHNOLOGY

UGR < 16 – lens technology for minimum glare
dynamic white mixed in each single lens





LOUVRE VARIABILITY

white
9016



black
9005



glaring
gold



black chrome
matte



high-gloss
gold



GOOD to know

quadro BAP louvre high gloss copper shifts light colours to warm - 4000 K board delivers 3605 K, 3000 K board 2790 K. So close to **2700 K** or **3500 K** solutions can be done easily with this louvre application.

gunnery
grey



high-gloss
copper



capital
copper



silver
matte



high-gloss
silver



COMPACT HOUSING



skai

Design:

Kai Stania

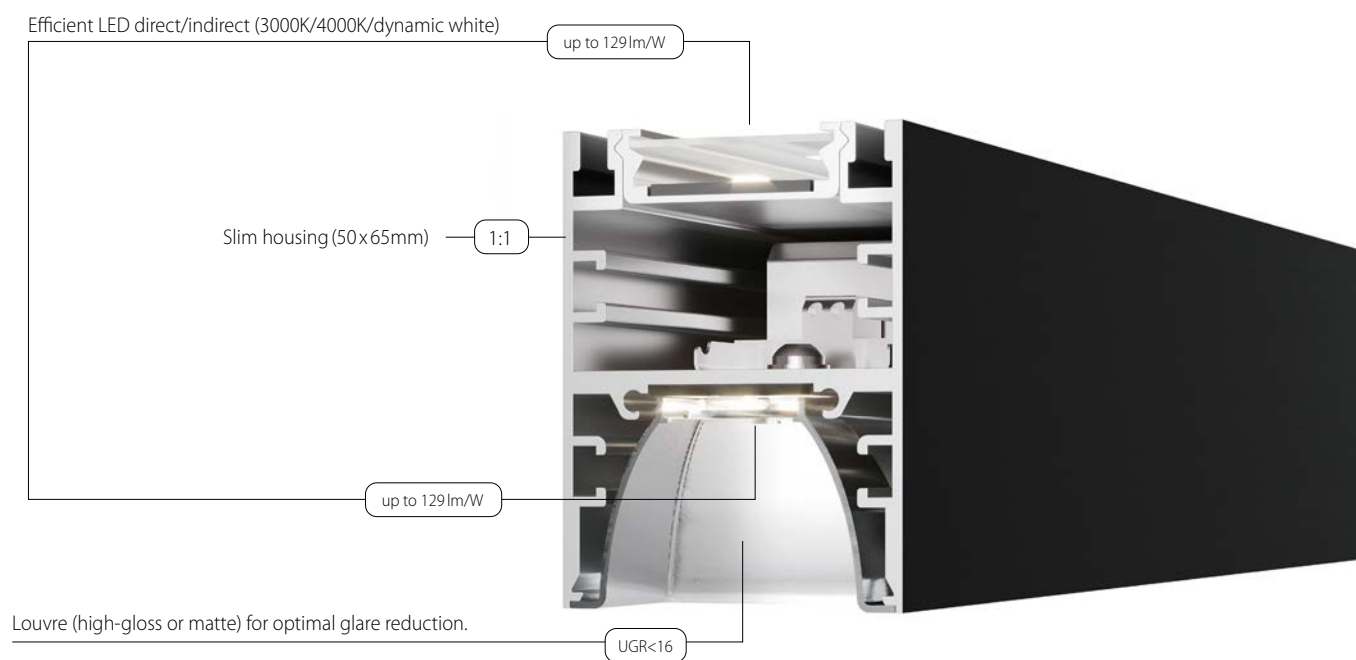
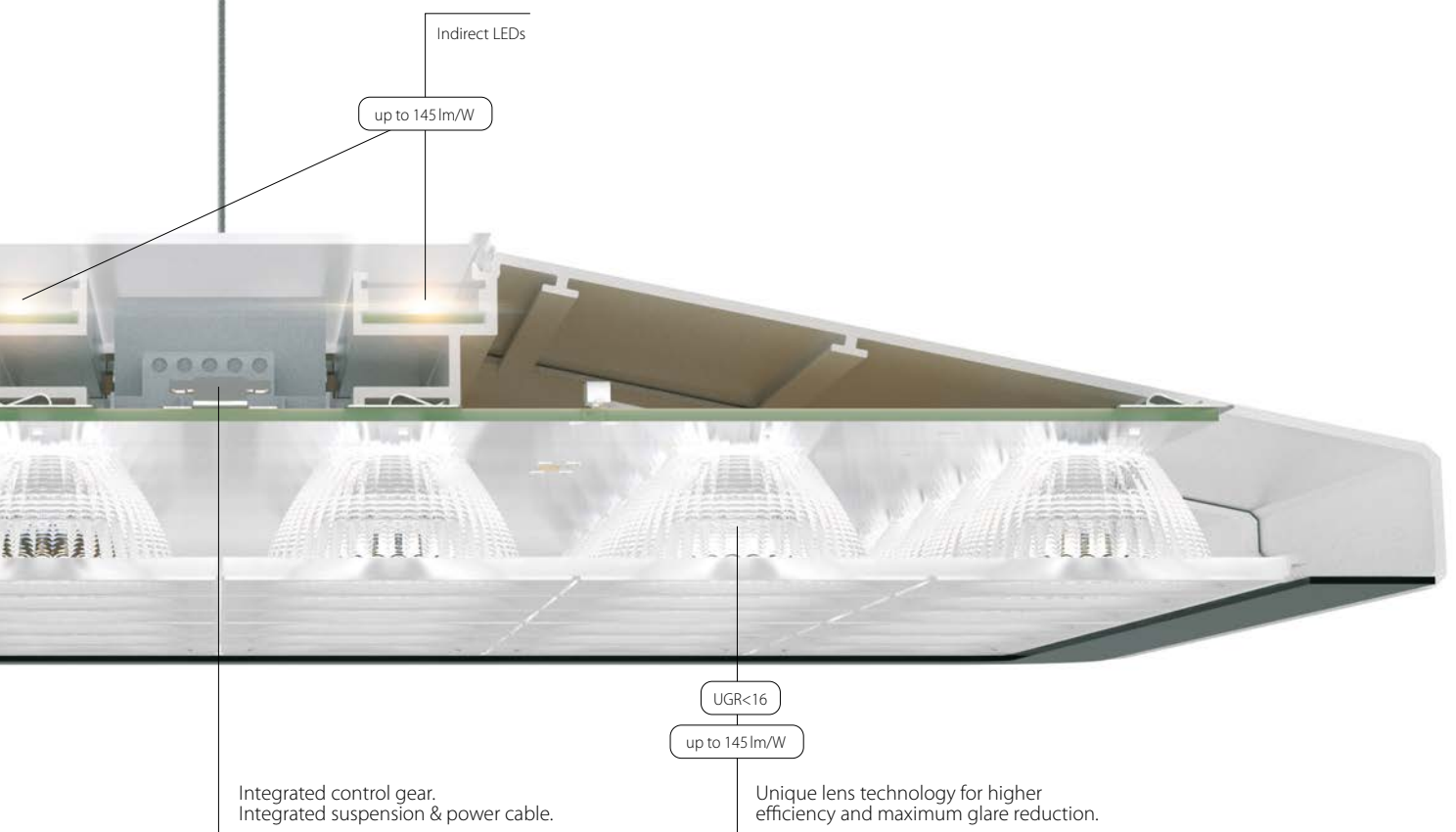


quadro

Design:

Roland Karrer

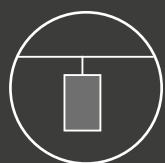




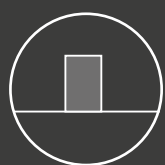
FOLLOW THE ENGINEER



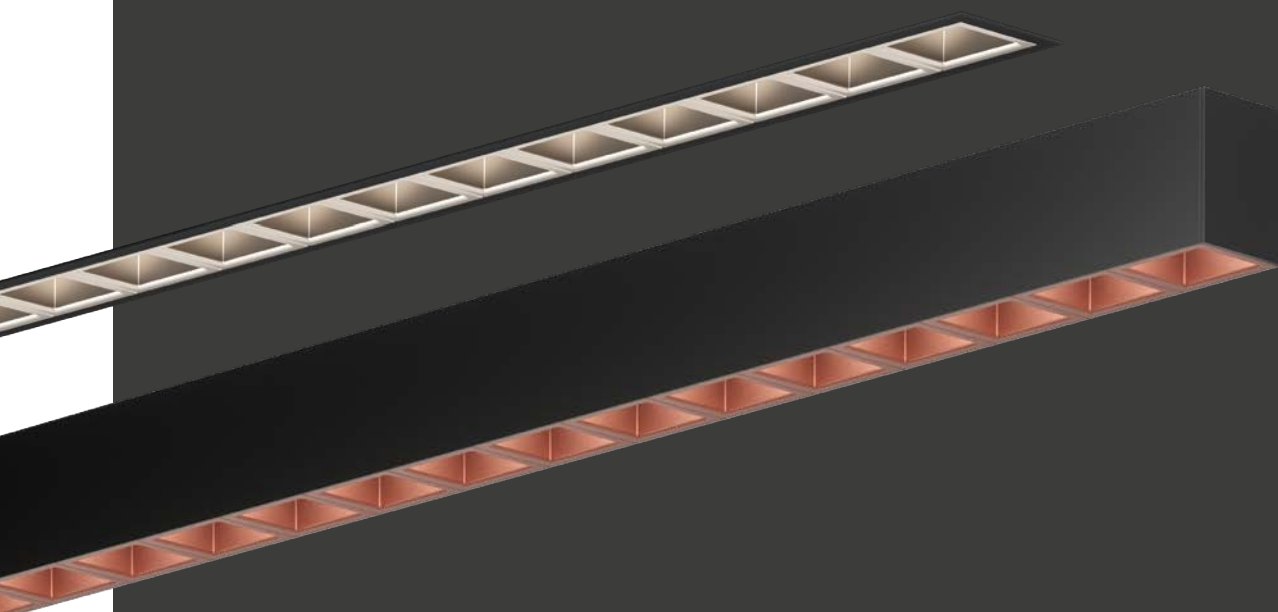
quadro surface-mounted
p. 138

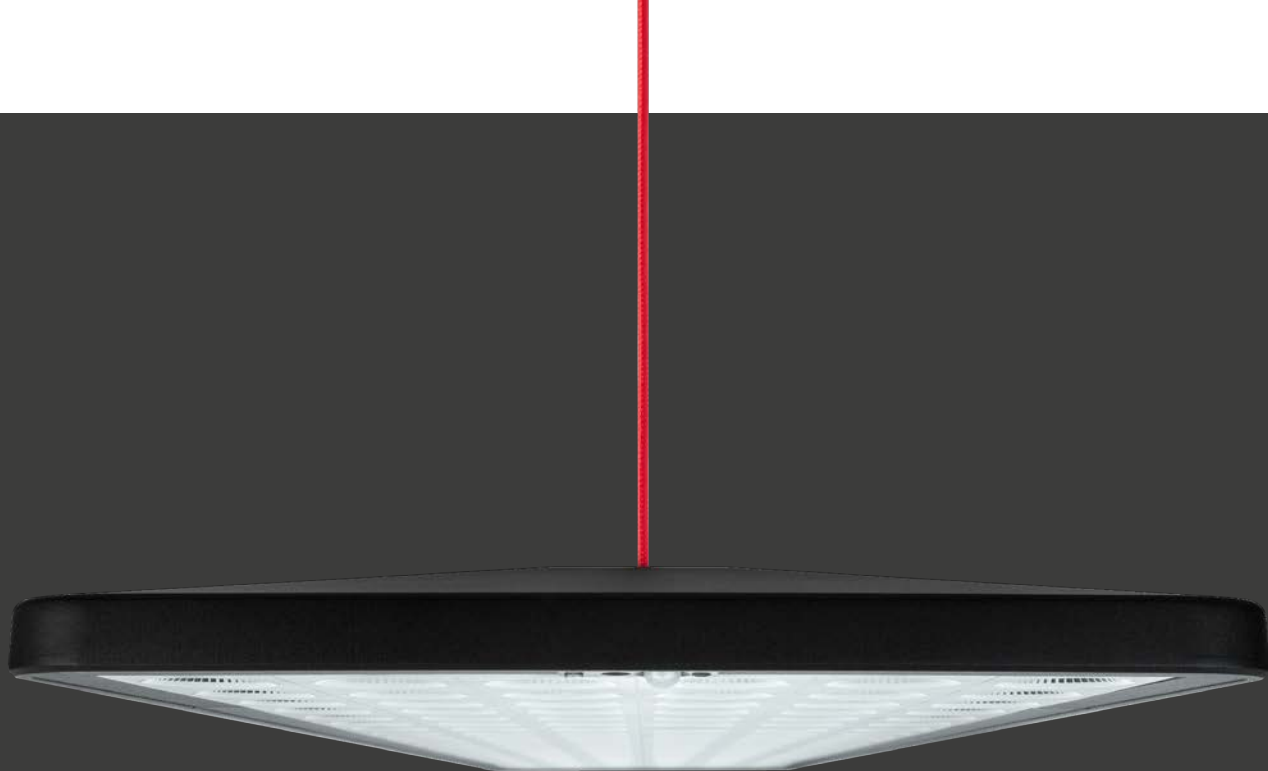


quadro pendant
p. 182

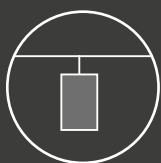


quadro recessed
p. 268



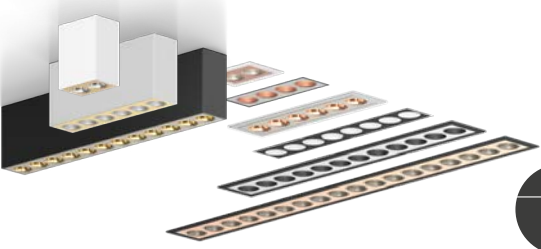


skai surface-mounted
p. 142



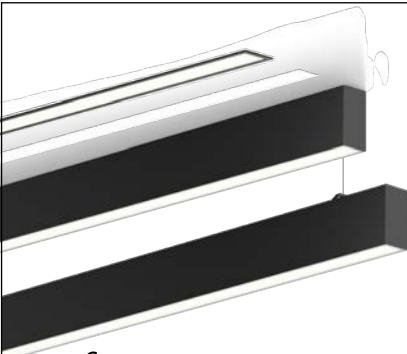
skai pendant
p. 194

FURTHER UGR < 19



anto+

LOW OUTPUT MICROPRISM



p.forty
pure 3

LOW OUTPUT MICROPRISM



lili
liha

LOW OUTPUT MICROPRISM



sinus

LOW OUTPUT MICROPRISM



cosmo
diva



mizar M
taurus M



**FILTER
ONLINE**

UNIFIED GLARE RATING [UGR]

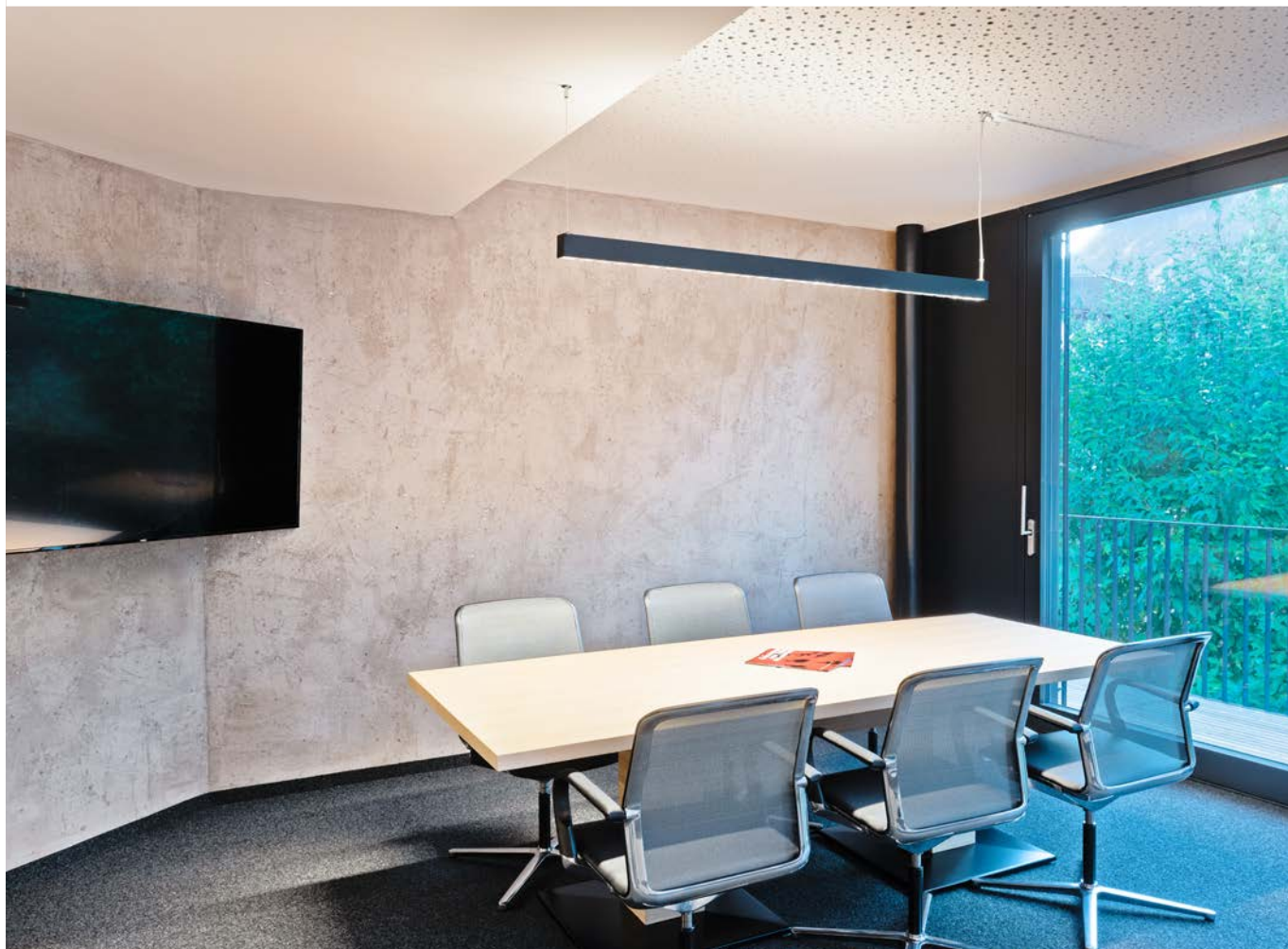
- UGR ≤ 13
- > 13 ≤ 16
- > 16 ≤ 19

<https://katalog.planlicht.com>



SILENCING WORKSPACES
planlicht acoustic solutions p. 56









PAINTING **LIGHT**

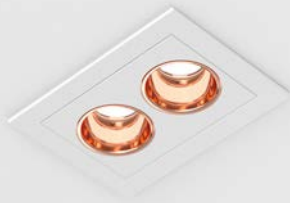
02 RETAIL & HOSPITALITY



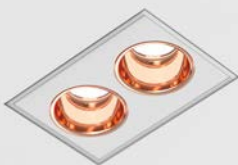
EXCESSIVE VARIABILITY

anto+

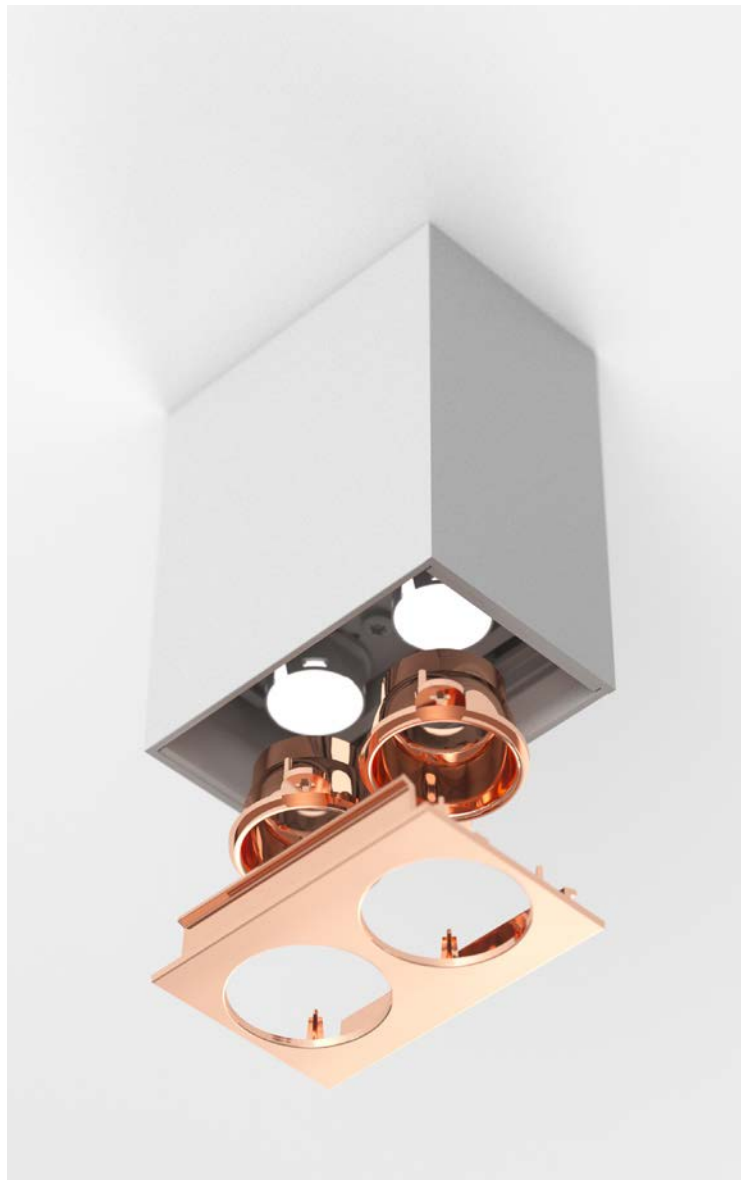
anto+ recessed FRAME



anto+ recessed FRAMELESS

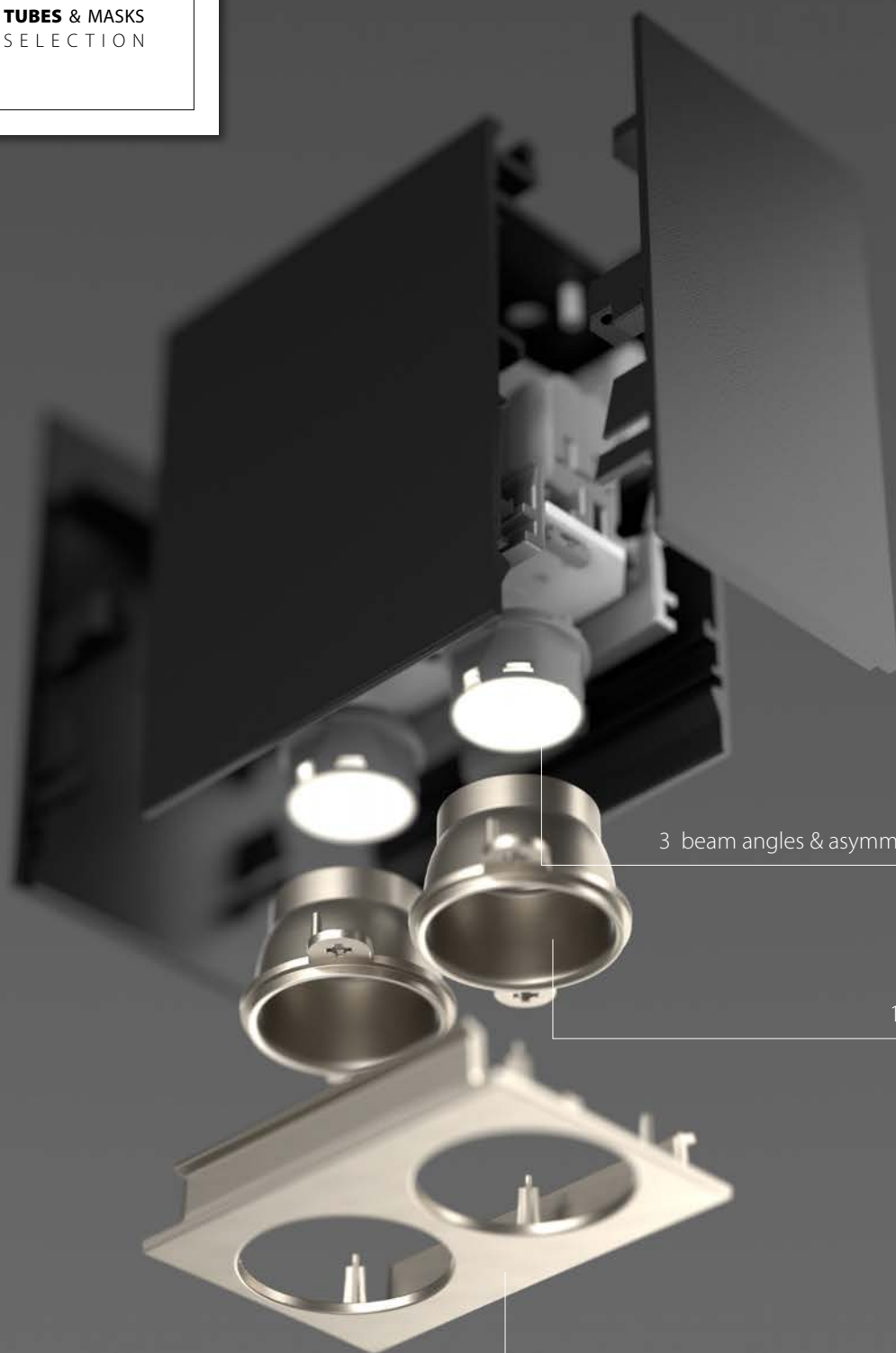


anto+ surface-mount



10

TUBES & MASKS
SELECTION

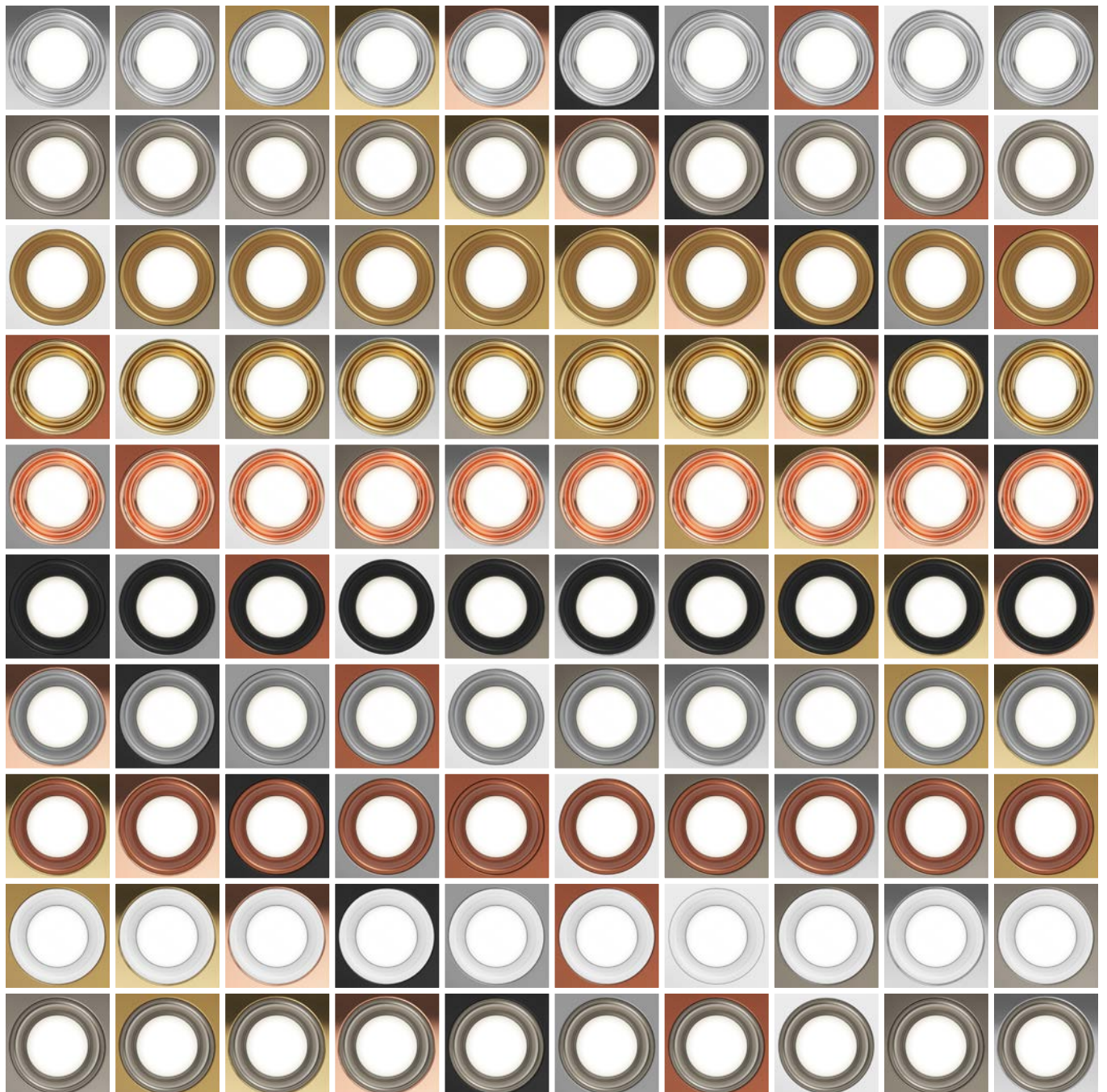
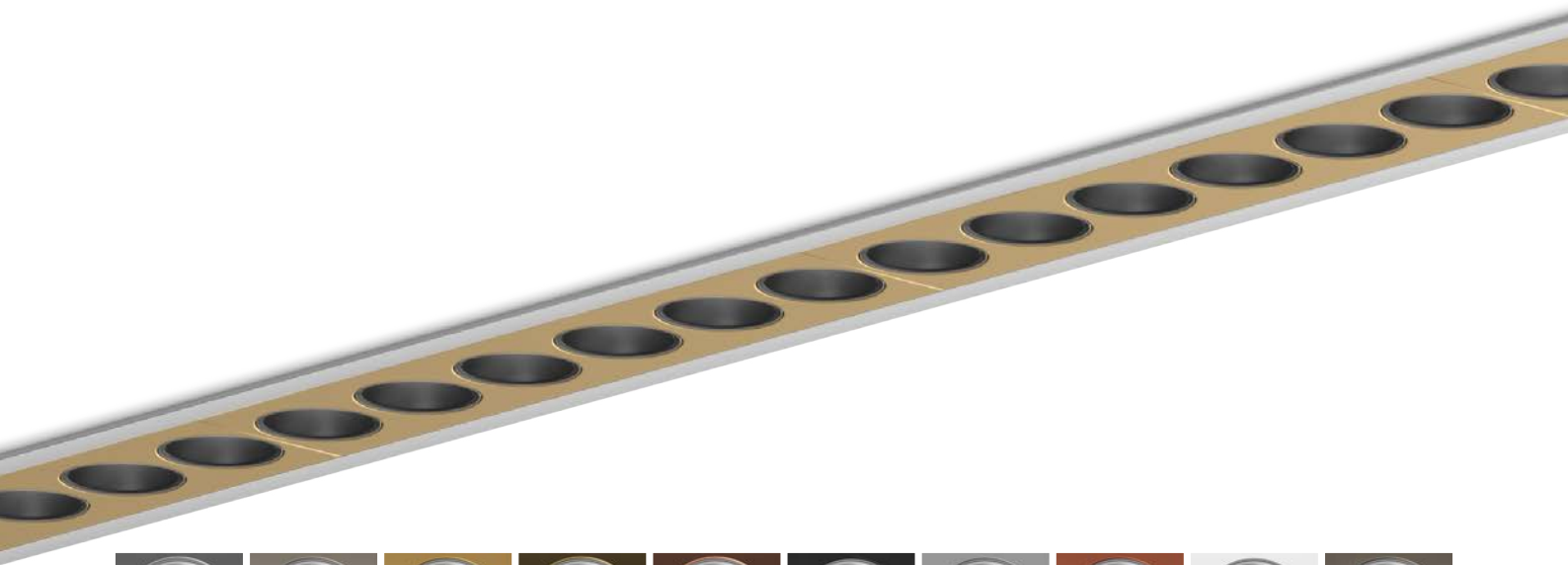


LENS
3 beam angles & asymmetric/oval

TUBE
10 colours

MASK
10 colours

A MILLION WAYS





FILTER
ONLINE

ANTI GLARE CONE COLOUR

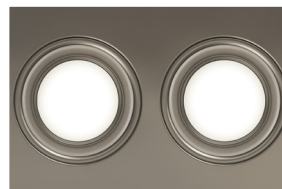
- silver matte
- gold glossy
- copper matte
- Show all...



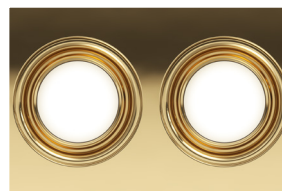
<https://katalog.planlicht.com>

GOOD to know

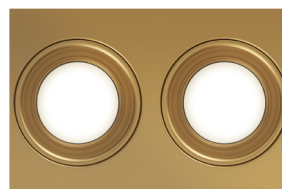
anto+ lens tubes provide a **UGR<16** while the white and silver lens tubes (45°) have an UGR>19 and are not suitable for office solutions. Top performer is the black lens tube that makes an **UGR<5** in its low output version!



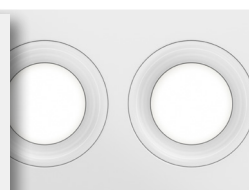
gunnery
grey



high-gloss
gold



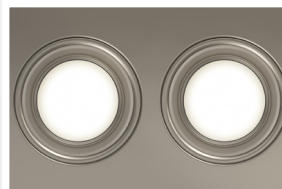
glaring
gold



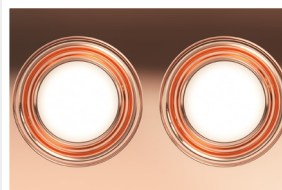
white
9016



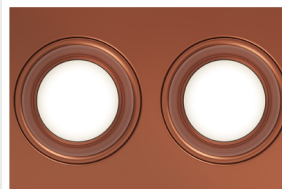
black
9005



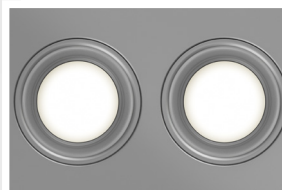
black chrome
matte



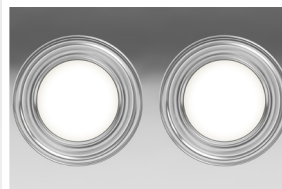
high-gloss
copper



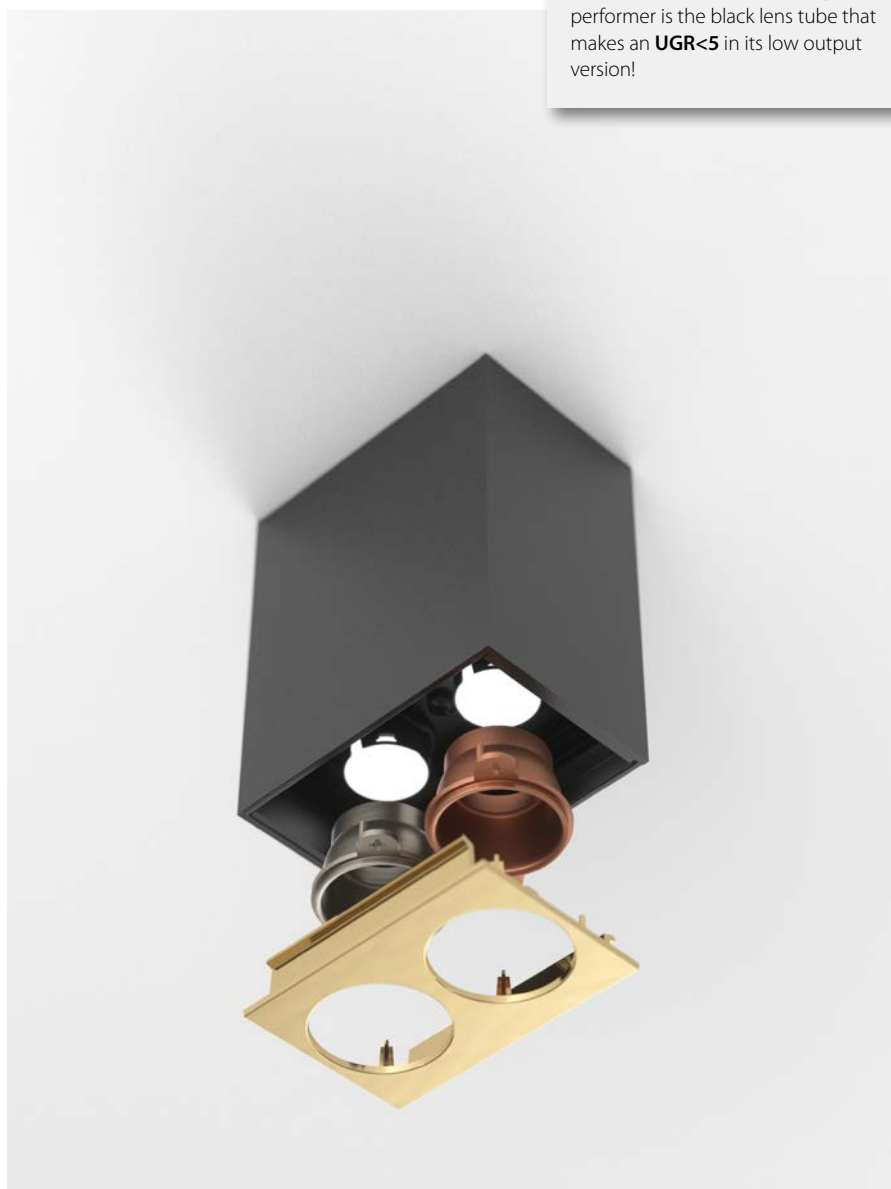
capital
copper



silver
matte



high-gloss
silver



LIGHT QUALITY

940
4000K
 $R_a > 90$

935
3500K
 $R_a > 90$

930
3000K
 $R_a > 90$

PERFECT
WHITE
3000K
 $R_a > 98$

DYNAMIC
WHITE
2700-6500K
 $R_a > 80$

830
3000K
 $R_a > 80$

FLE
meat red

840
4000K
 $R_a > 80$

FIS
fish blue

FASHION
3250K
 $R_a > 90$

BAC
bakery gold

FRU
veggie green

927
2700K
 $R_a > 90$

WUR
sausage pink



STRAIGHT FORWARD





zenit XS insets
pure 3

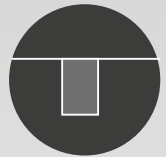
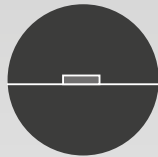
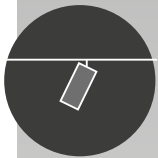
zenit

zenit S insets
p.forty & pure 3





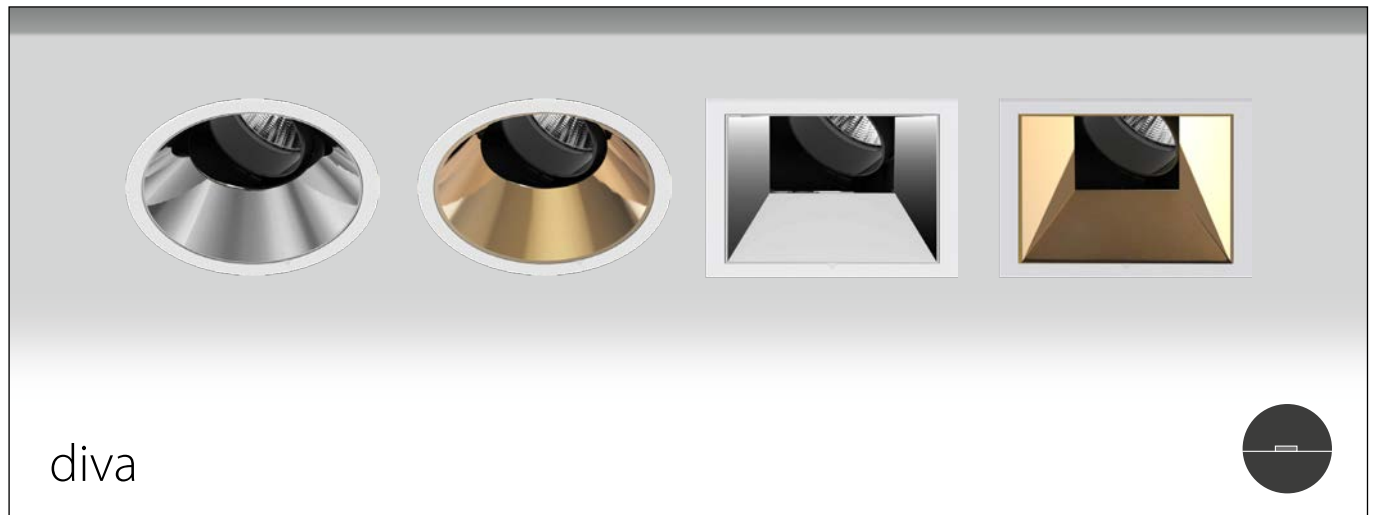
EFFICIENT. VERY EFFICIENT.



meteor



RECESSED SPOTS



RECESSED SPOTS



metis / metis M



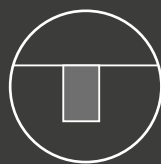
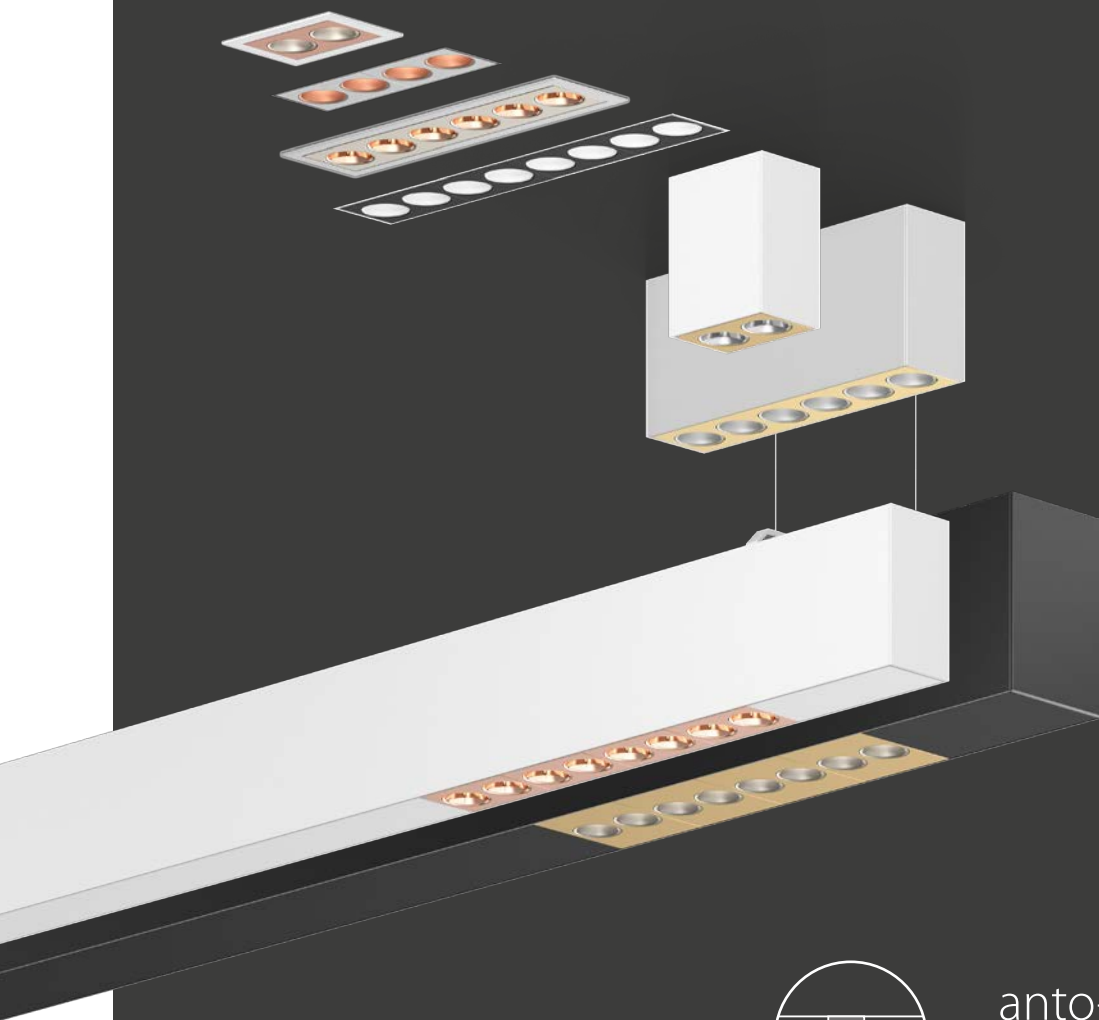
mizar / mizar M



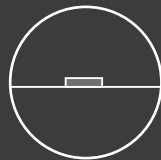
taurus / taurus M



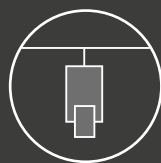
FOLLOW THE ENGINEER



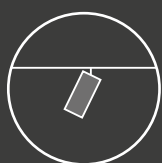
anto+ surface-mounted
p. 346



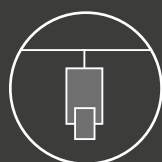
anto+ recessed
p. 346



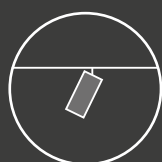
anto+ insets
p.forty & pure 3
p. 330



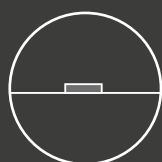
zenit L/M/S track spots
p. 390



zenit S/XS Insets
p. 334



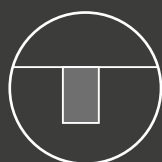
meteor track spots
p. 400



meteor recessed
p. 366



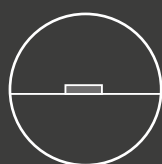
meteor flip
p. 368



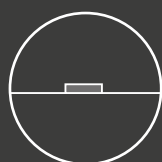
meteor surface-mounted
p. 370



FOLLOW THE ENGINEER



diva & diva square
p. 354

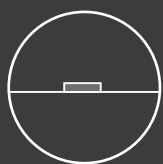


cosmo
p. 360

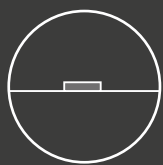




metis & metis M
p. 378



mizar & mizar M
p. 374



taurus & taurus M
p. 376

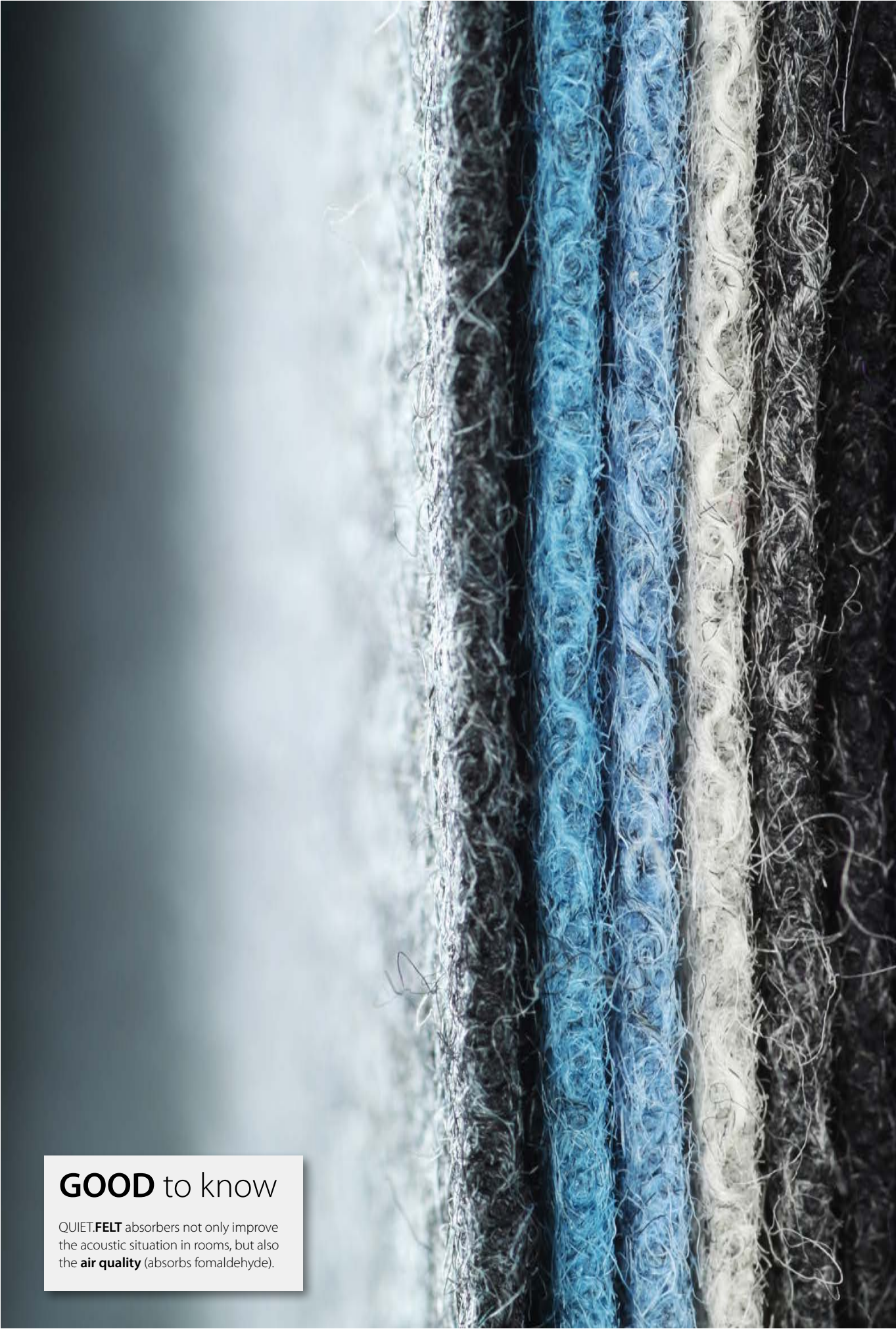




PAINTING **LIGHT**

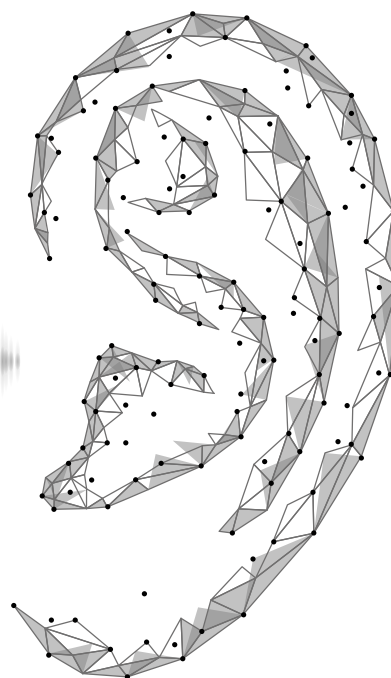
03 SILENCE





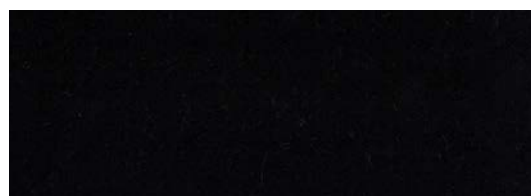
GOOD to know

QUIET.**FELT** absorbers not only improve the acoustic situation in rooms, but also the **air quality** (absorbs formaldehyde).



QUIET.**FELT**

EXTRA +

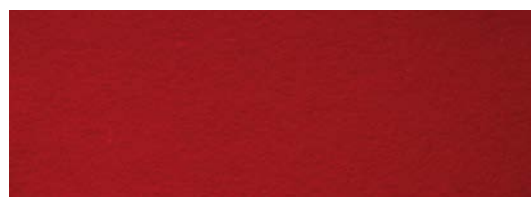


BLACK

STANDARD



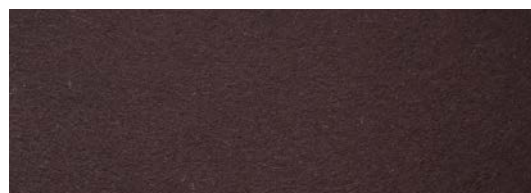
ANTHRACITE MELANGE



FIRE



LIME



CHOCOLATE



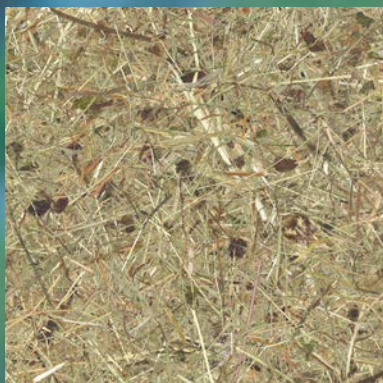
PEBBLE | KIESEL



LIGHT GREY MELANGE

NATURAL BY NATURE

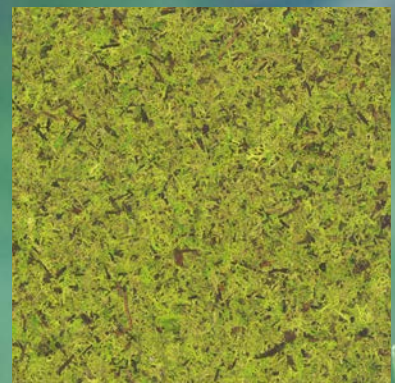
ORGANOID[®]



WILDSPITZE
[vɪltʃpɪtsə]



WOLLÄ
[ˈvɔlə]



MOUS
[ˈmøʊz]

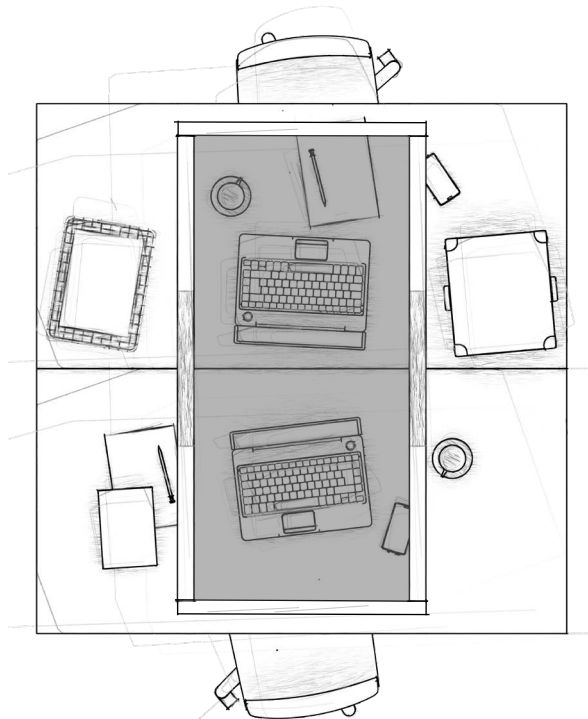


SILENCING WORKSPACES

quadro quiet

GOOD to know

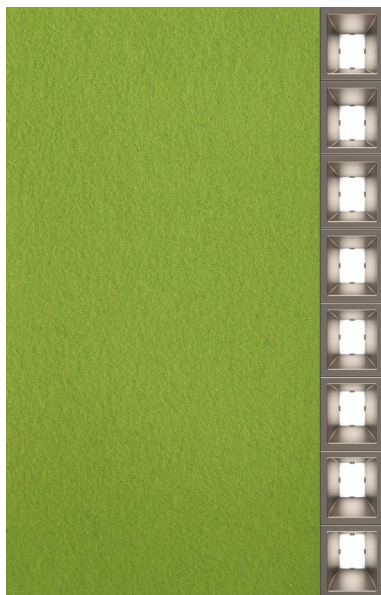
quadro quiet is based on quadro OFFICEspecial, giving all its opportunities.



ANTHRACITE MELANGE

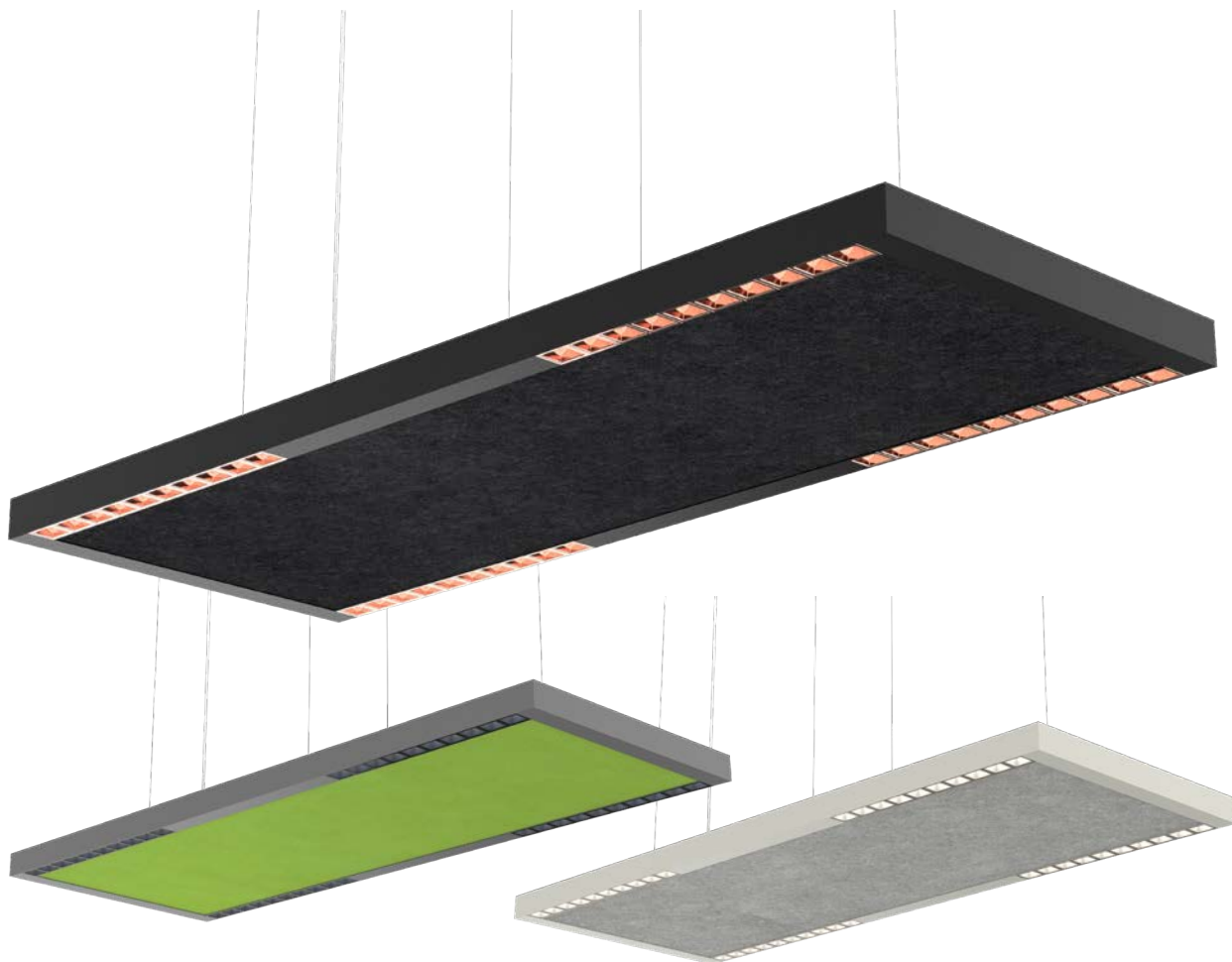


LIME



LIGHT GREY MELANGE





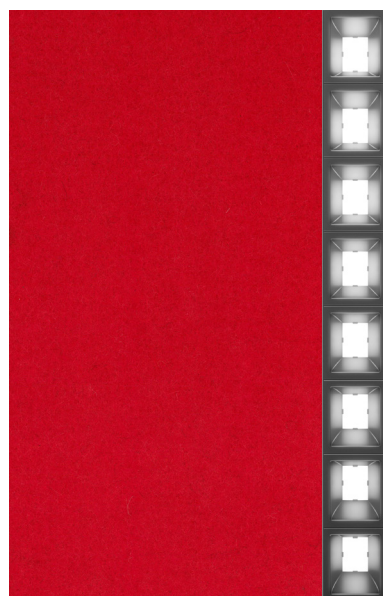
GOOD to know

Rectangular quiet luminaires can also be ordered in customized sizes.
On request also versions with pure 3 or p.forty are possible.

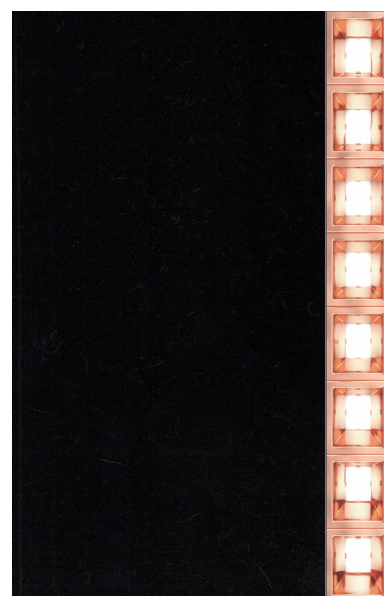
CHOCOLATE



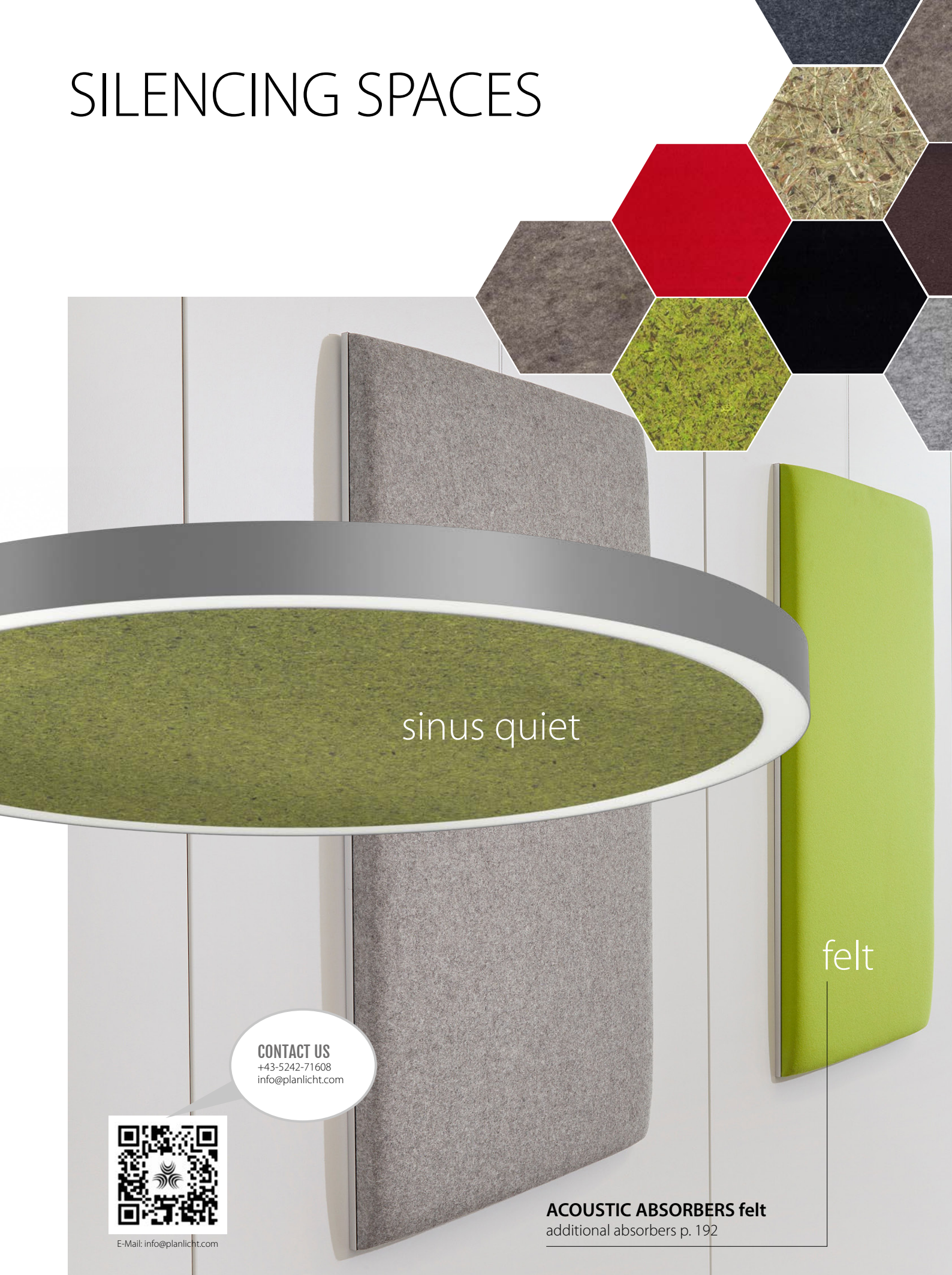
FIRE



BLACK



SILENCING SPACES



sinus quiet

felt

CONTACT US
+43-5242-71608
info@planlicht.com



E-Mail: info@planlicht.com

ACOUSTIC ABSORBERS felt
additional absorbers p. 192



FILTER
ONLINE

ACOUSTIC DAMPENER TYPE

- Lime
 - Pebble
 - Anthracite Melange
- Show all...



<https://katalog.planlicht.com>



George Boole 1815 - 1864

Mathematician, Logician
& Humanitarian

$$\text{mes} \left\{ x \in \mathbb{R} \mid \Re \frac{1}{\pi} \sum \frac{a_k}{x - b_k} \geq t \right\} = \frac{\sum a_k}{\pi t}$$

PDF

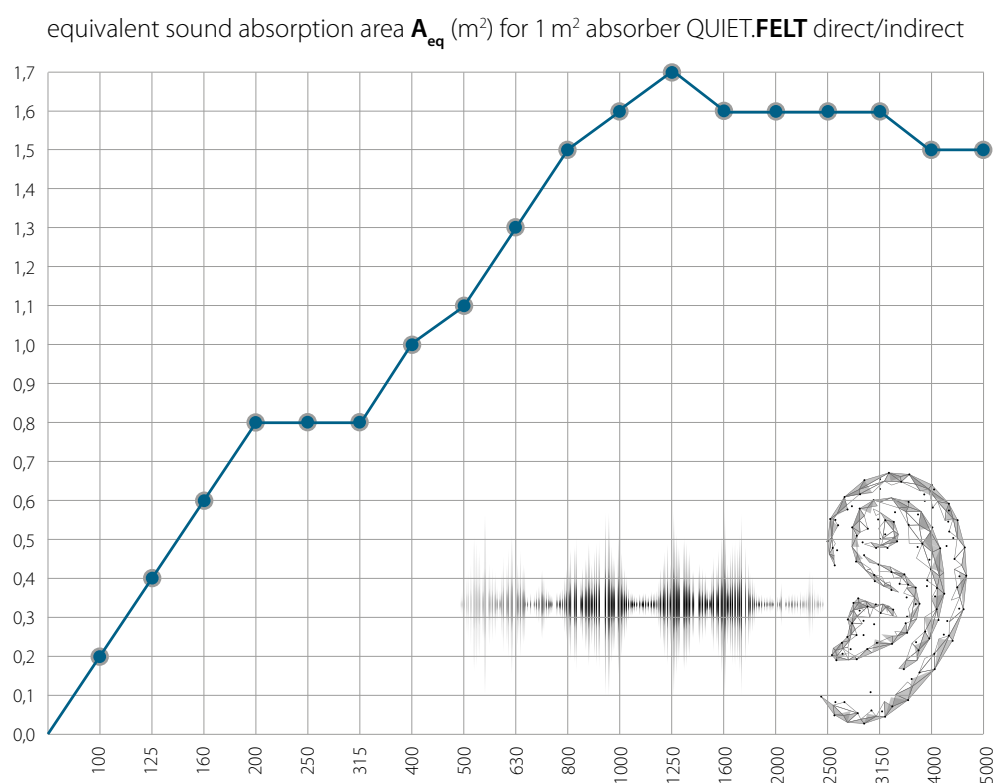


planlicht

WHITEPAPER
ACOUSTIC
LUMINAIRES

$$A_{eq} = S \cdot a$$

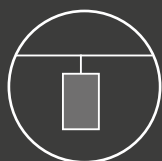
FOR THE CALCULATORS



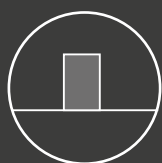
EQUIVALENT SOUND ABSORPTION AREA – absorber QUIET.**FELT**

A_{eq}		Frequency Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
quadro quiet	direct/indirect 1498 mm	0,2	0,4	0,6	0,8	0,8	0,8	1,0	1,1	1,3	1,5	1,6	1,7	1,6	1,6	1,6	1,6	1,6	1,5	1,5
	direct/indirect 1778 mm	0,2	0,5	0,7	1,0	0,9	0,9	1,2	1,3	1,6	1,8	1,9	2,0	1,9	1,9	1,9	1,9	1,9	1,8	1,8
	direct/indirect 3458 mm	0,5	0,7	1,4	2,0	1,8	2,0	2,3	2,6	3,1	3,4	3,5	3,7	3,6	3,7	3,6	3,6	3,6	3,5	3,6
sinus quiet	direct 1174 mm	0,2	0,4	0,4	0,6	0,6	0,6	0,7	0,7	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
	direct/indirect 1174 mm	0,1	0,4	0,5	0,7	0,6	0,6	0,8	0,9	1,1	1,3	1,3	1,4	1,3	1,3	1,3	1,3	1,3	1,3	1,3
	direct 1530 mm	0,4	0,7	0,8	1,1	1,1	1,1	1,3	1,3	1,4	1,4	1,4	1,4	1,4	1,5	1,5	1,5	1,5	1,4	1,4
	direct/indirect 1530 mm	0,3	0,6	0,9	1,3	1,2	1,2	1,5	1,7	2,0	2,3	2,4	2,5	2,4	2,4	2,4	2,4	2,4	2,3	2,3
felt	600x600 mm	0,1	0,1	0,1	0,2	0,3	0,3	0,3	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
	600x1200 mm	0,1	0,2	0,3	0,5	0,5	0,6	0,7	0,7	0,8	0,8	0,8	0,8	0,8	0,8	0,7	0,7	0,7	0,7	0,7

FOLLOW THE ENGINEER

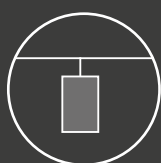
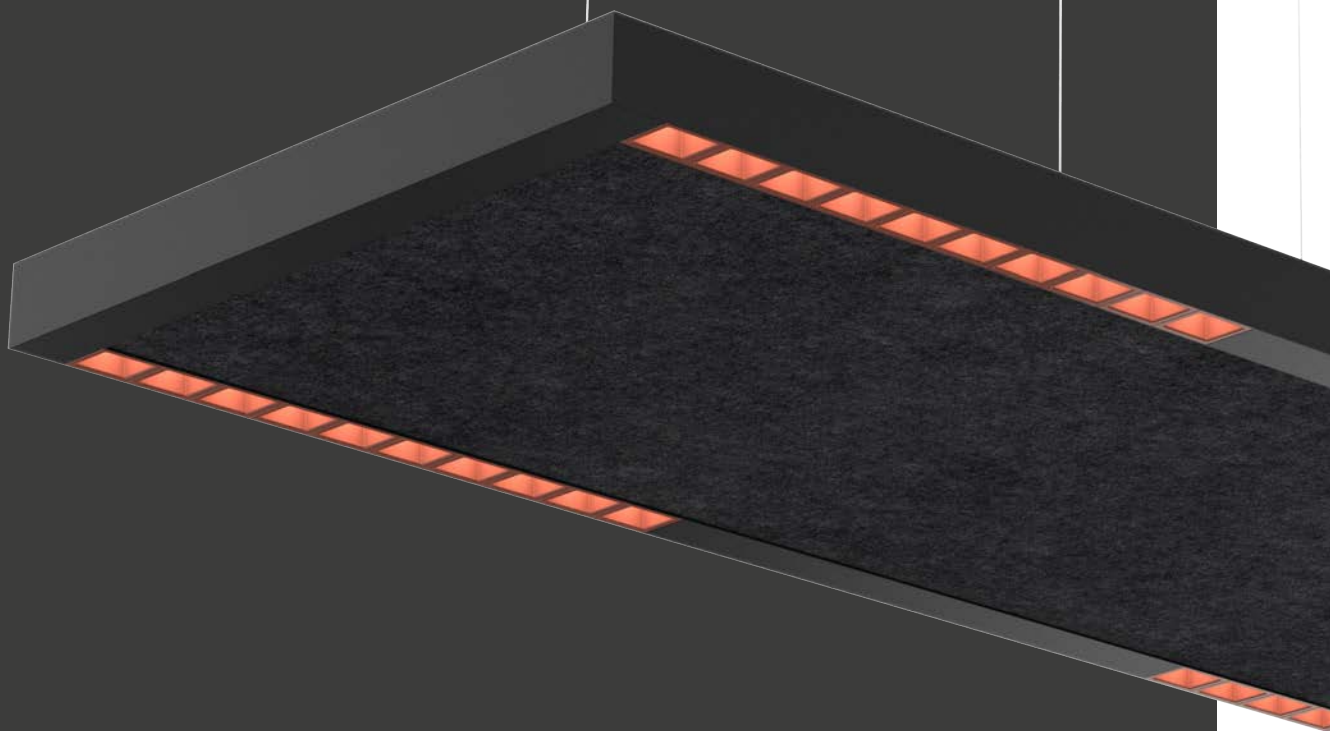


sinus quiet pendant
p. 224

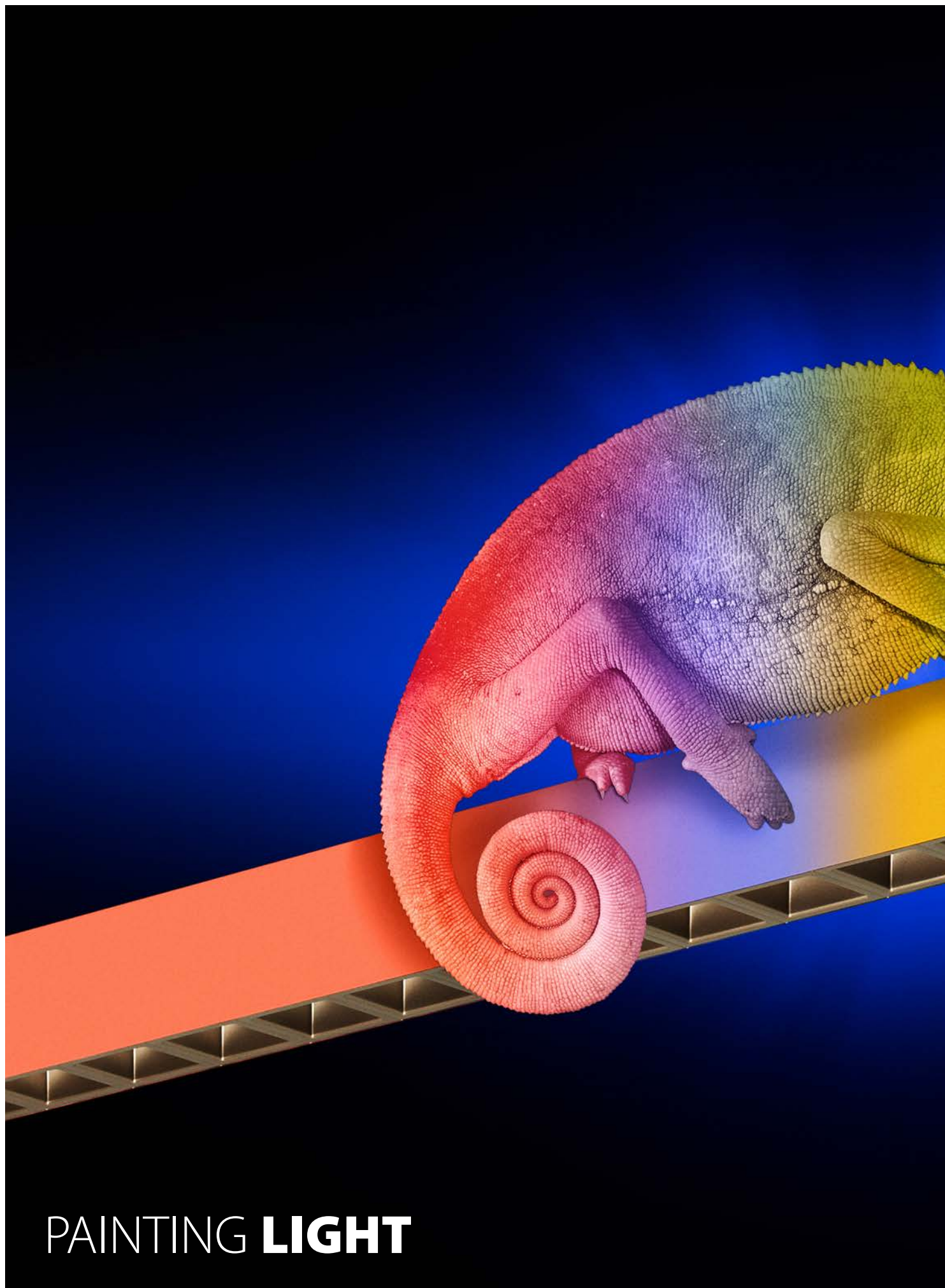


sinus quiet recessed
p. 294



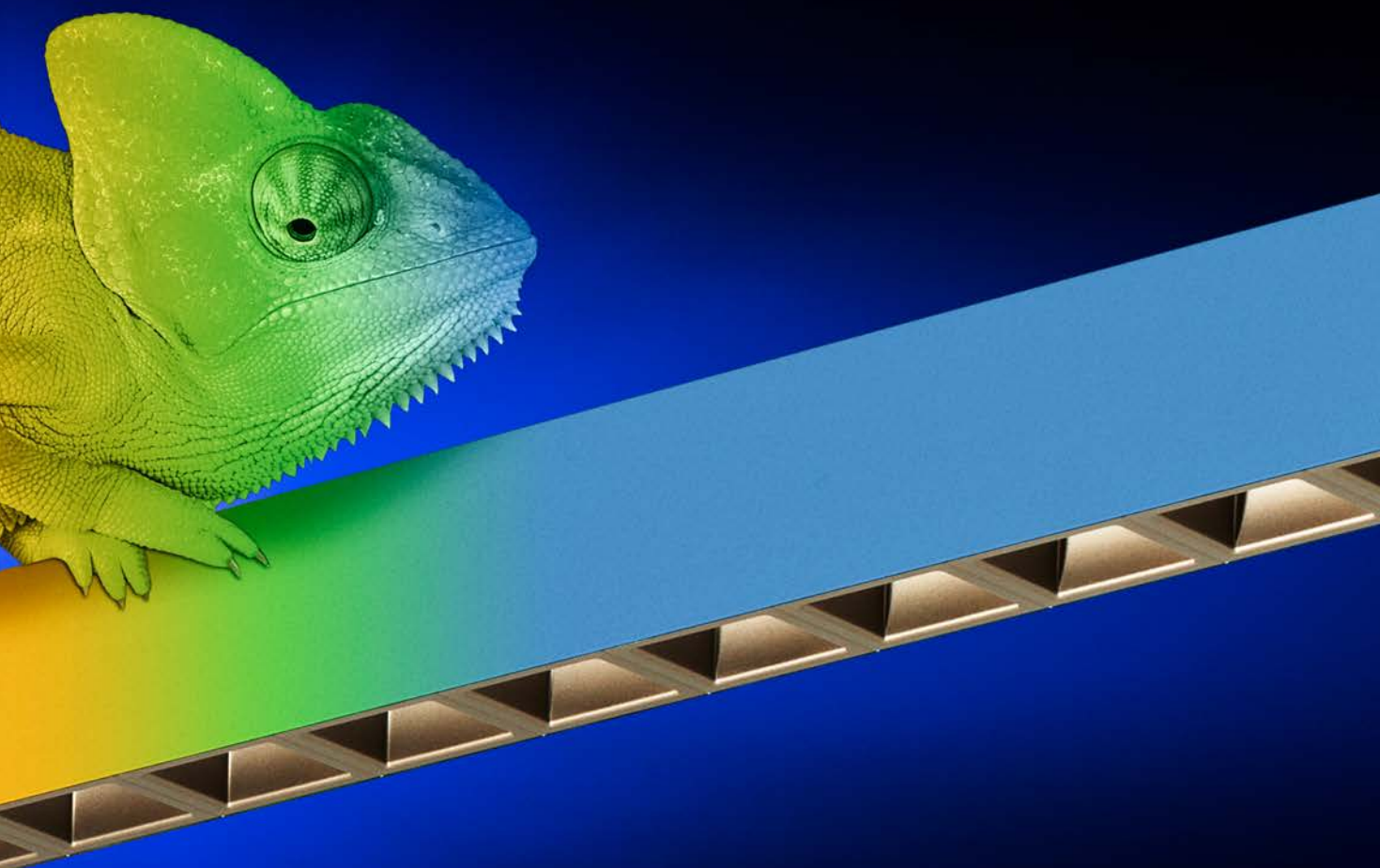


quadro quiet pendant
p. 188



PAINTING **LIGHT**

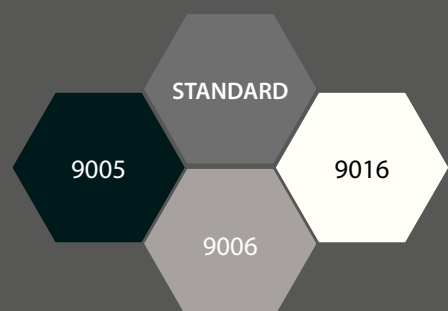
04 CUSTOMIZE



COLOUR VARIABILITY

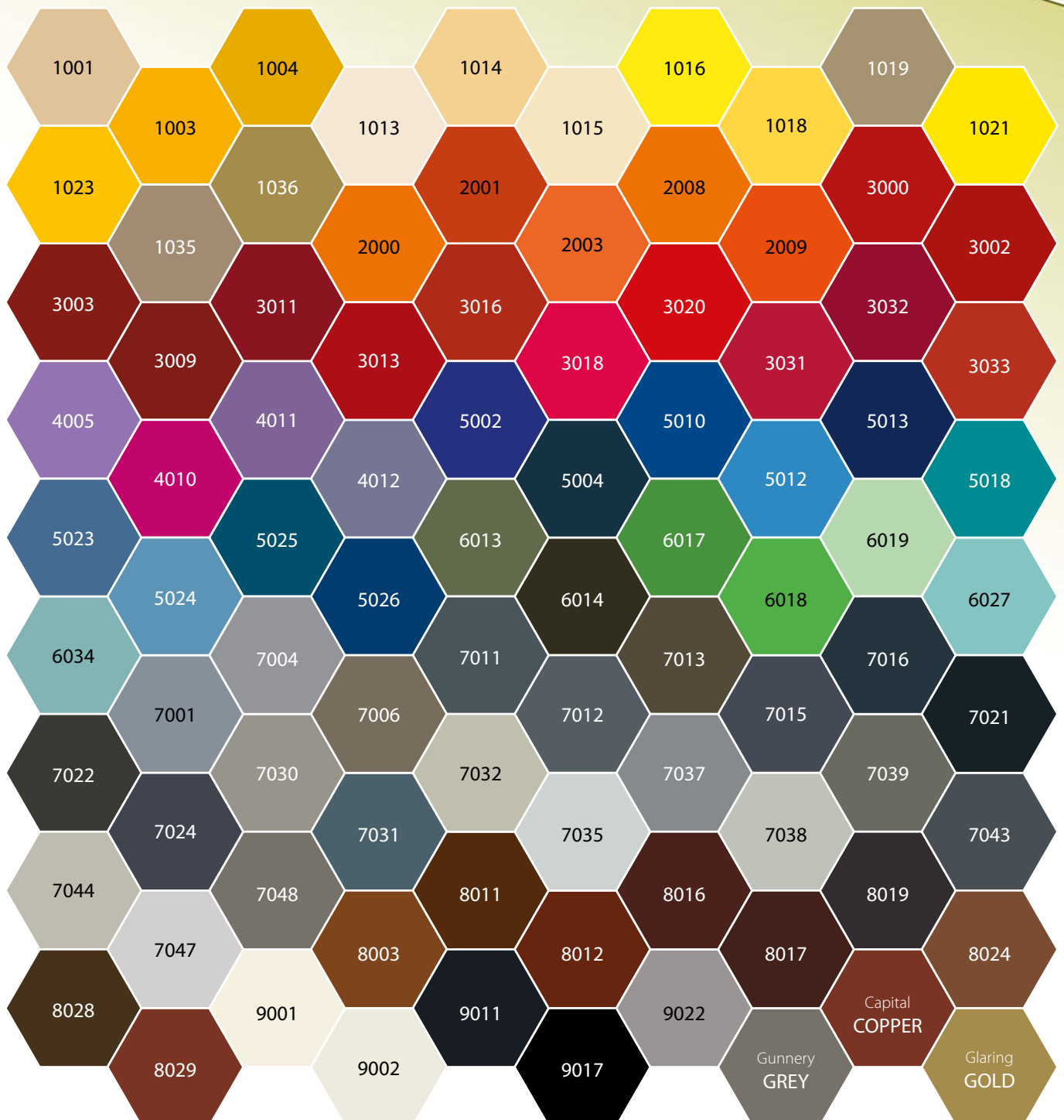
RAL housing colours

Auswahl der beliebtesten RAL-Farben aus unserem Leuchtsortiment.
A selection of the most popular colours of our range of luminaires.
Sélection des couleurs RAL les plus demandées pour notre gamme de luminaires.
Selezione dei colori RAL più richiesti per la nostra gamma di apparecchio.



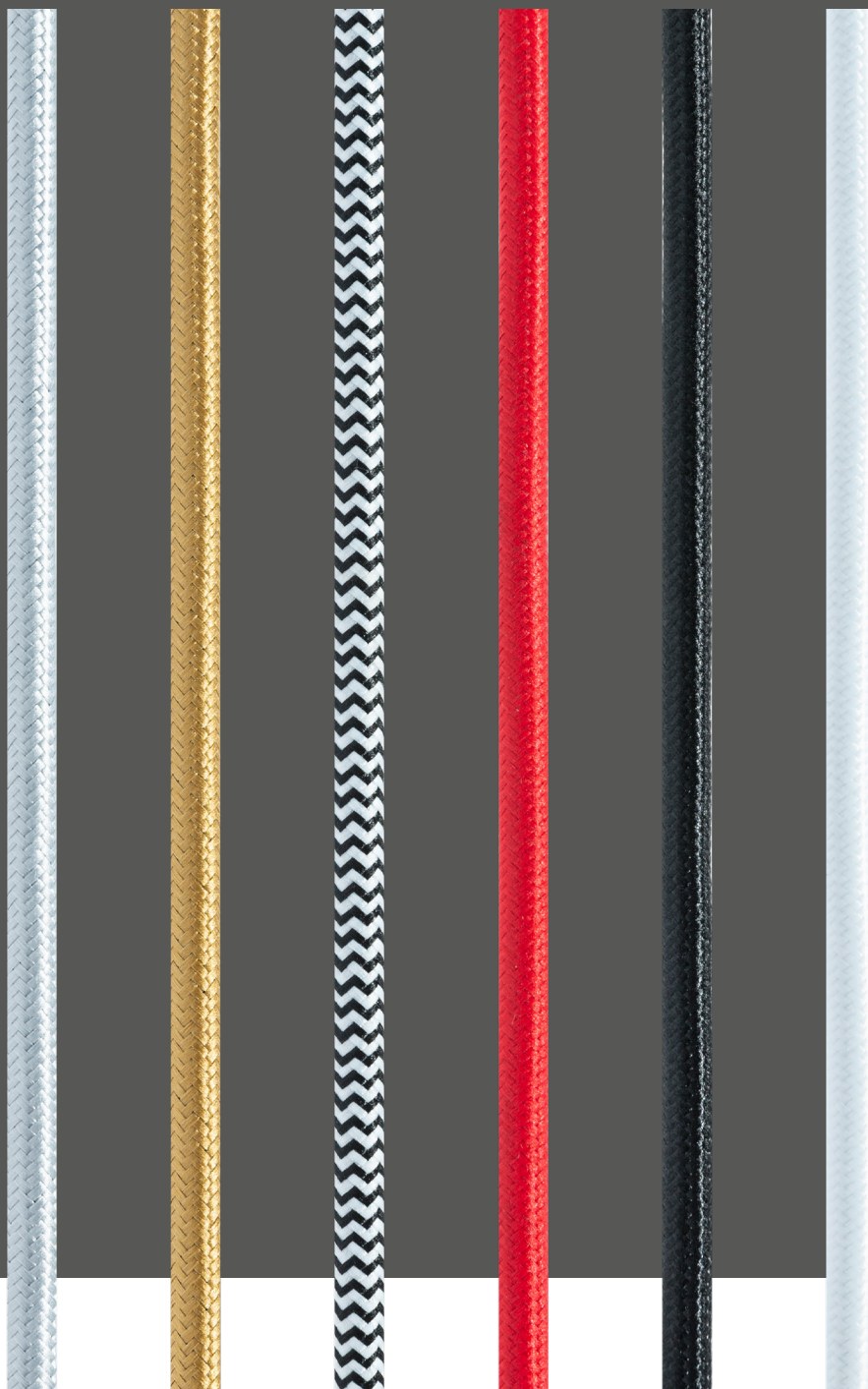
90

HOUSING COLOURS
SELECTION



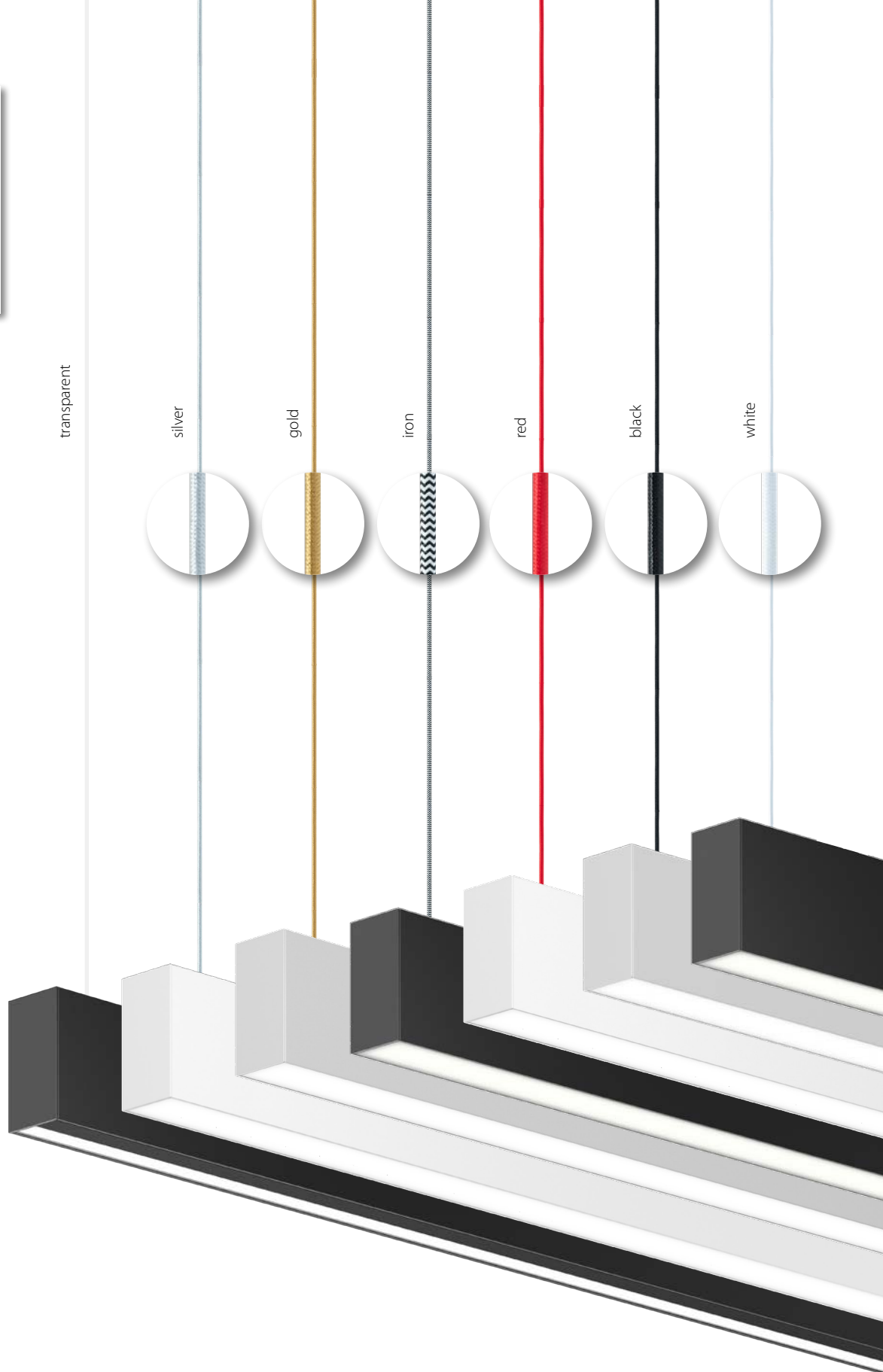
COLOUR VARIABILITY

cable colours





CABLE COLOURS
SELECTION

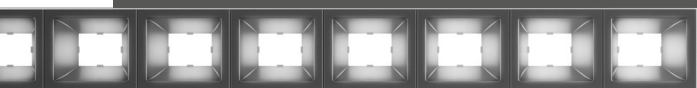


COLOUR VARIABILITY

louvre & lens tube colours



white
9016



black
9005



glaring
gold



black chrome
matte



high-gloss
gold



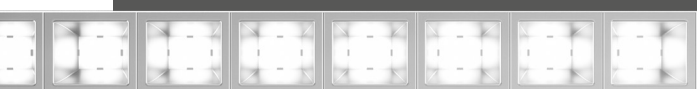
gunnery
grey



high-gloss
copper



capital
copper



silver
matte



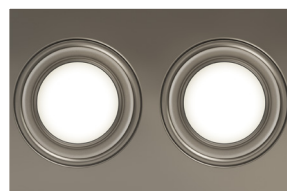
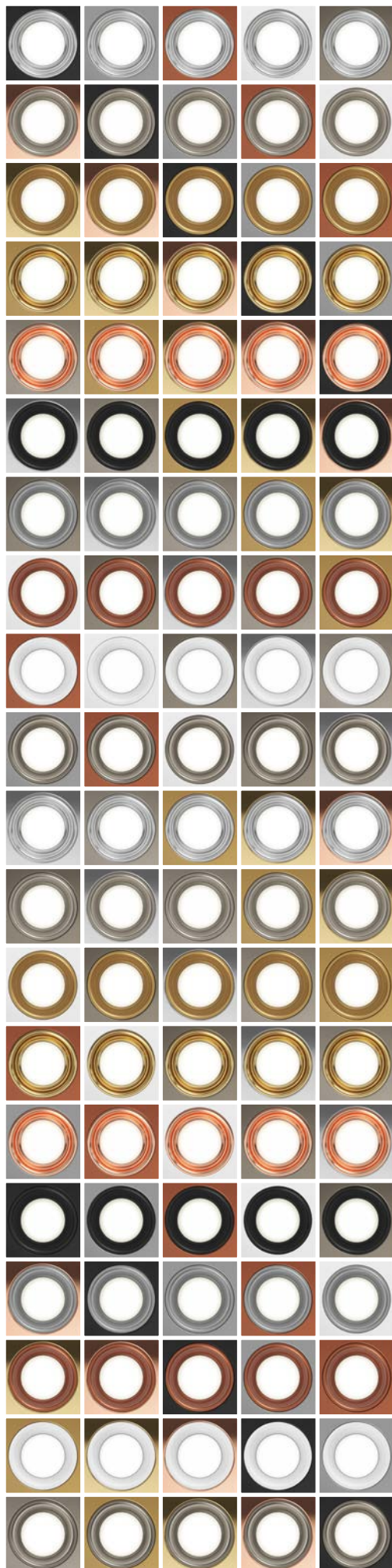
high-gloss
silver

10

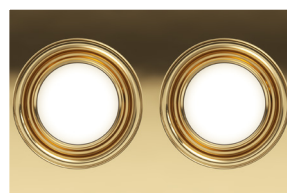
LOUVRE COLOURS
SELECTION

10

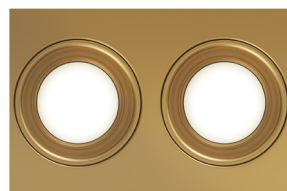
TUBES & MASKS
SELECTION



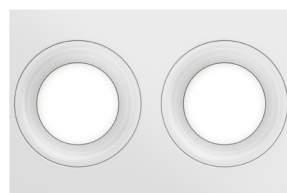
gunnery
grey



high-gloss
gold



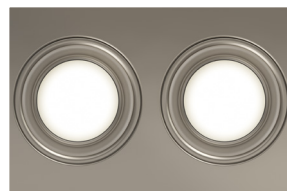
glaring
gold



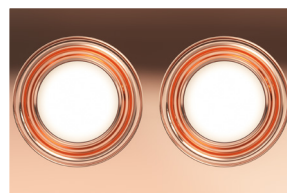
white
9016



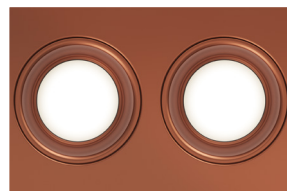
black
9005



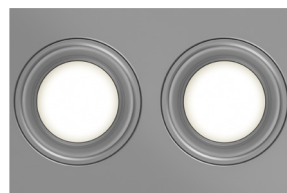
black chrome
matte



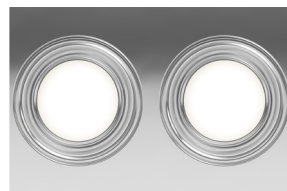
high-gloss
copper



capital
copper



silver
matte



high-gloss
silver

ANTI GLARE CONE COLOUR

- silver matte
- gold glossy
- copper matte

Show all...

FILTER
ONLINE



<https://katalog.planlicht.com>

COLOUR VARIABILITY

absorber colours

ORGANOID[®]



WILDSPITZE
[vɪltʃpɪtsə]



WOLLÄ
[ˈvɔlə]



MOUS
[ˈmøʊz]



**FILTER
ONLINE**

ACOUSTIC DAMPENER TYPE
 ■ Lime
 ■ Pebble
 ■ Anthracite Melange
 Show all...



<https://katalog.planlicht.com>

FELT.QUIET

STANDARD



ANTHRACITE MELANGE



LIME

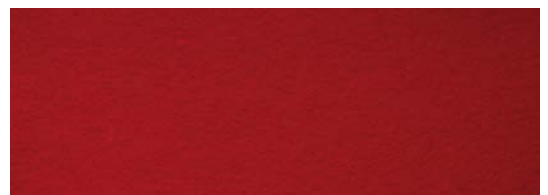


PEBBLE | KIESEL

EXTRA +



BLACK



FIRE



CHOCOLATE



LIGHT GREY MELANGE

SHAPE VARIABILITY

custom lines

RECESSED

SURFACE MOUNTED

VIDEO





**PROFILE SHAPE
SELECTION**

RGB-W option

combine **LINES & CURVES**

horizontal & vertical **MITRE CUTS**

PENDANT

DIRECT & DIRECT/INDIRECT

COMPONENT VARIABILITY

custom accessories

customize your **COVERS**



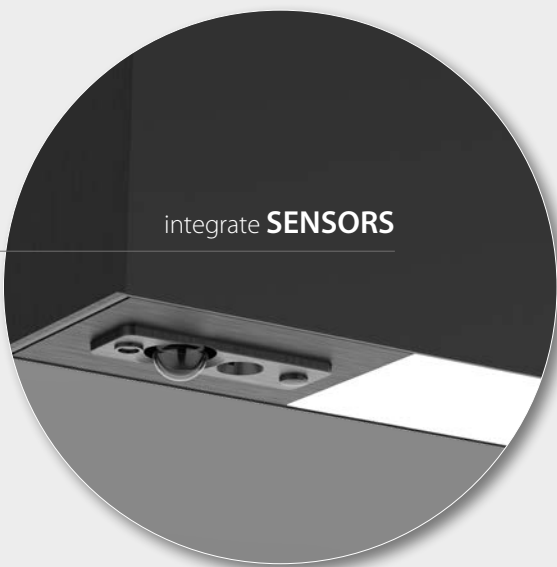
customize your **LIGHT COLOURS**

3000 K/ 4000 K/ dynamic white/ RGB-W/ $R_a > 90$



integrate 3 h **BATTERY**

integrate **SENSORS**



CONTACT US
+43-5242-71608
info@planlicht.com



E-Mail: info@planlicht.com



customize your housing **COLOURS**



customize your profile **LENGTHS**



customize your mitre **ANGLES**

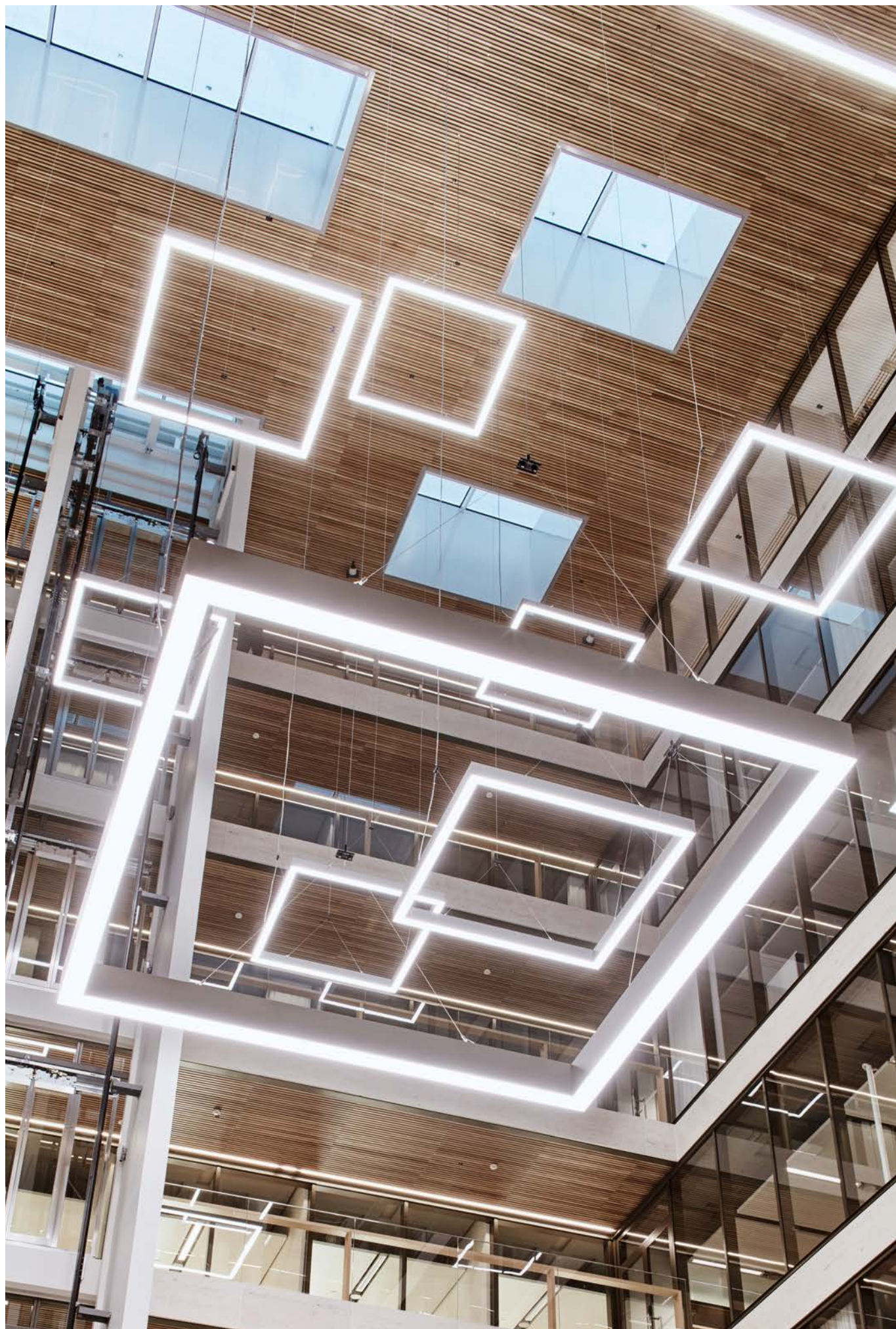


integrate **INSETS**

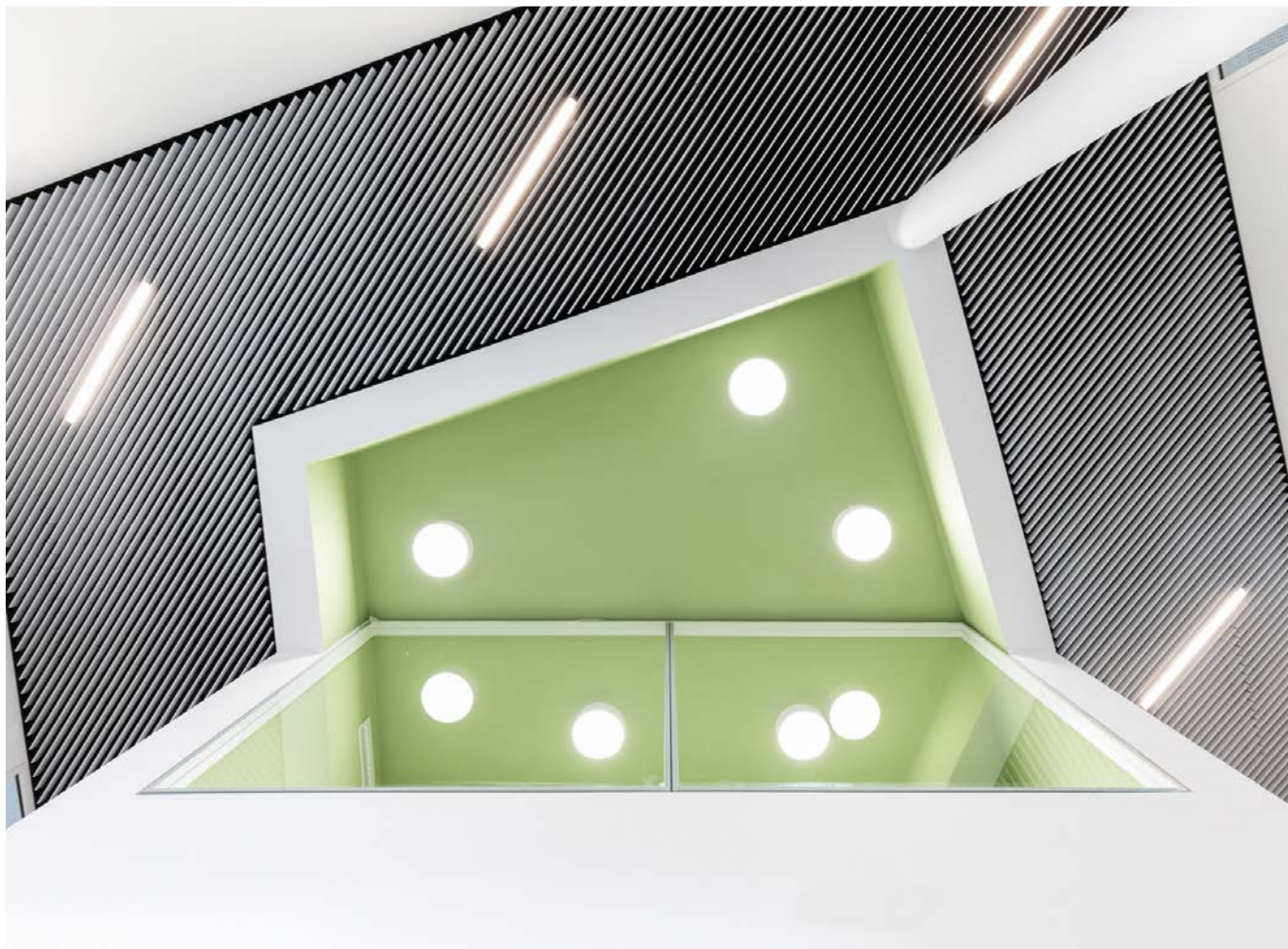
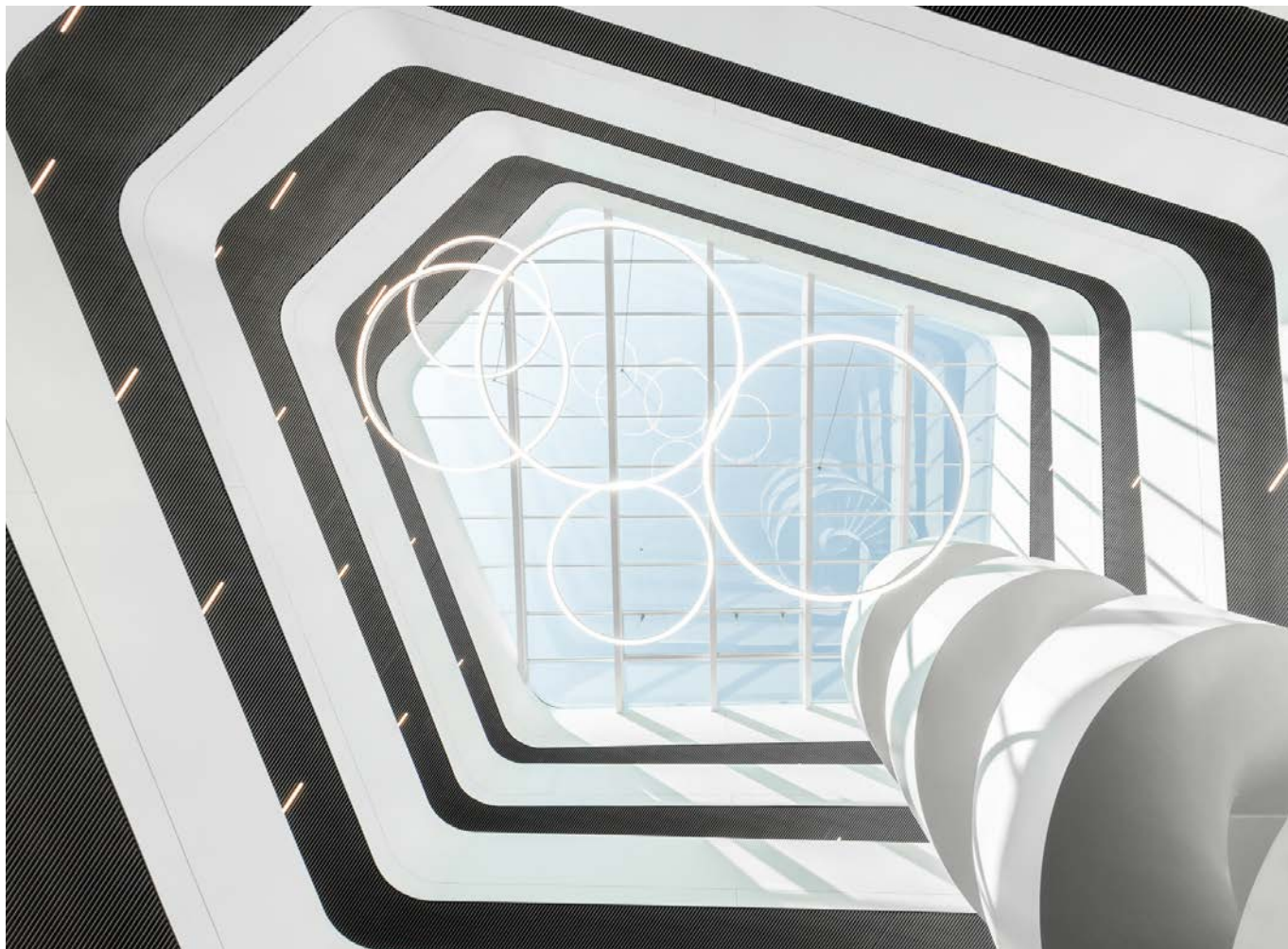
anto+, zenit S, zenit XS



integrate **3-PHASE TRACK**

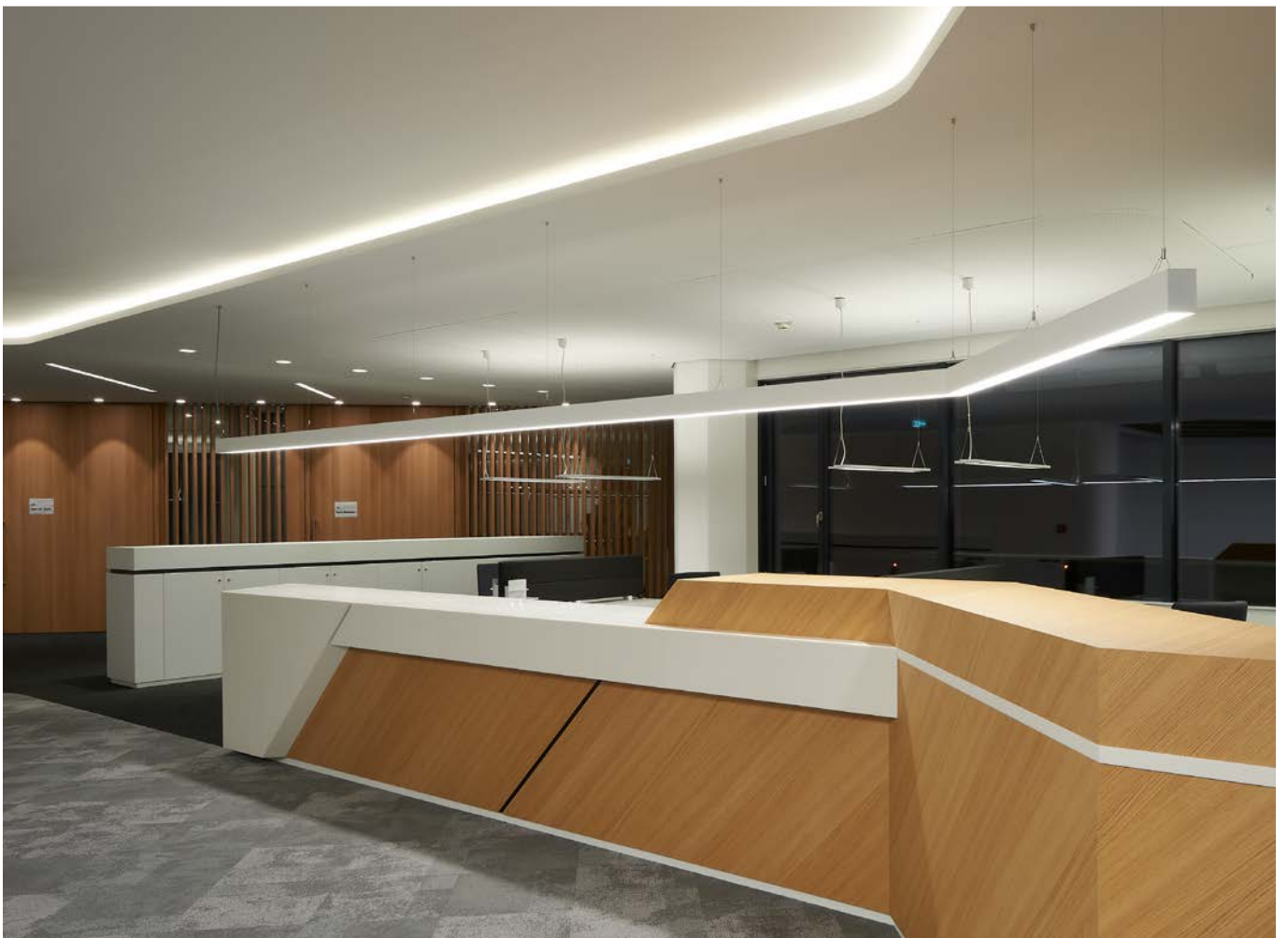














PAINTING **LIGHT**

05 COMPETENCE



HUMAN CENTRIC LIGHTING

more than just dynamic white

extensive portfolio of versions
DYNAMIC WHITE



FILTER
ONLINE

OUTPUT TYPE

- Dynamic White
- High
- Low



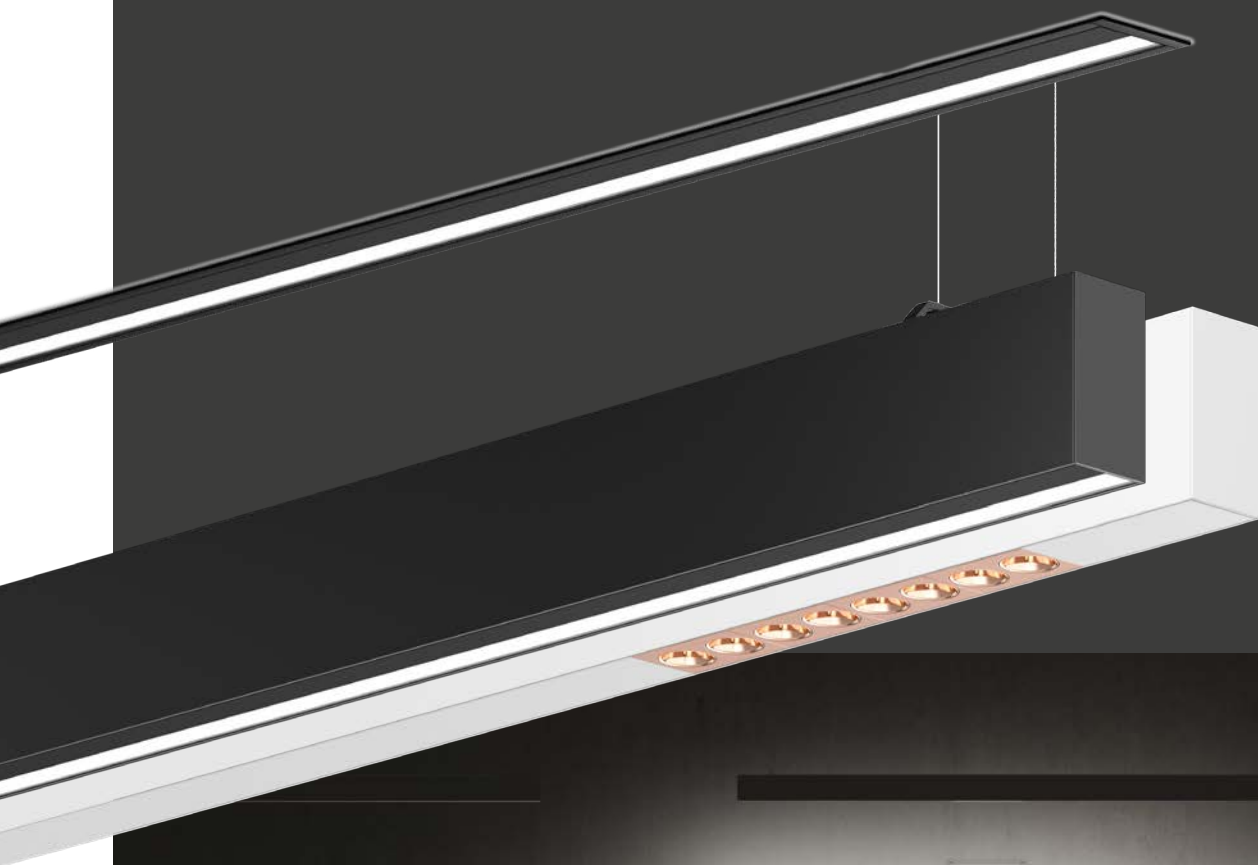
<https://katalog.planlicht.com>

4000 K

6500 K

HUMAN CENTRIC LIGHTING

illuminating walls



FILTER
ONLINE

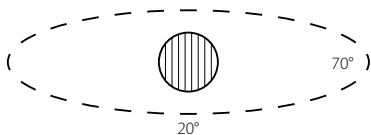
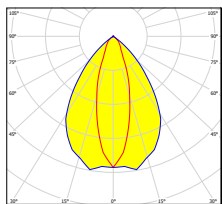
LIGHT GEOMETRY

- Asymmetric
- Symmetric

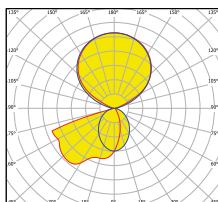
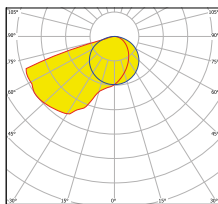


<https://katalog.planlicht.com>

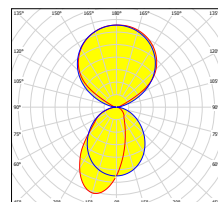
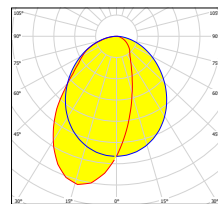
anto+



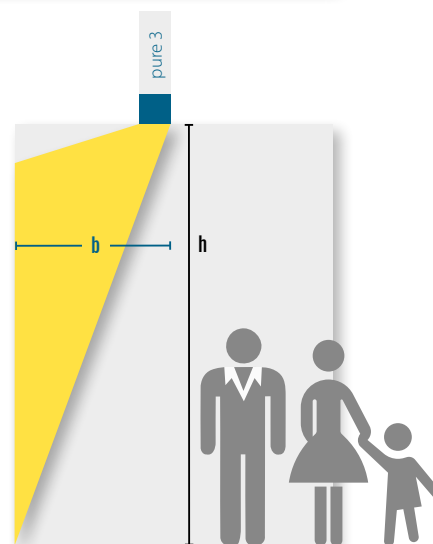
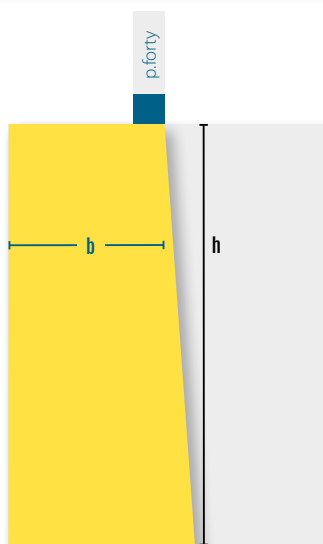
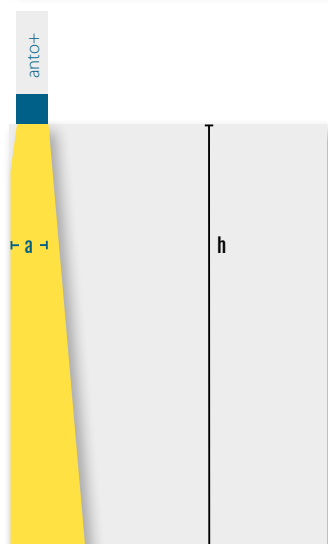
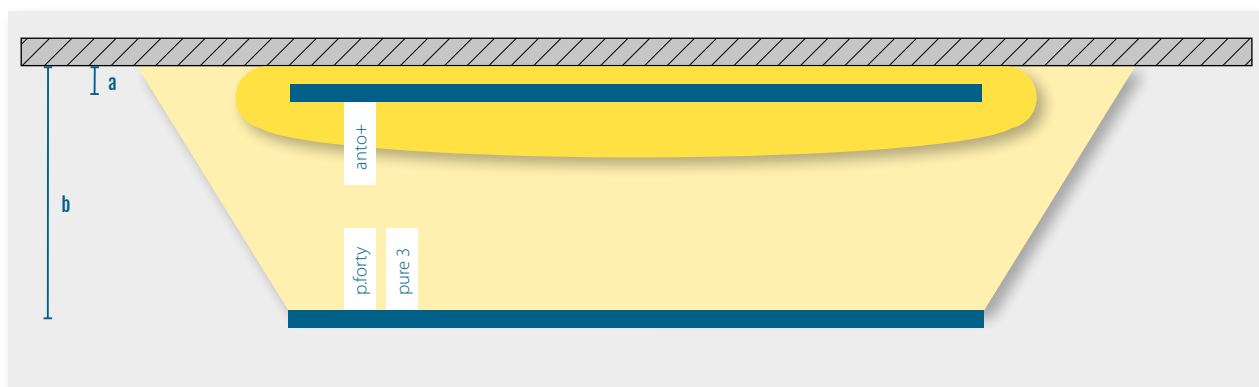
pure 3



p.forty



h=2,8 m	Distance to wall (m)	Lux Em	Distance to wall (m)	Lux Em
anto+	a=0,1	500	a=0,2	400
p.forty	b=0,8	212	b=1,0	175
pure 3	b=0,8	290	b=1,0	270



LIGHTING CONTROLS

from the wire to IoT



HARDWARE • SOFTWARE

PLANNING
PROGRAMMING
IMPLEMENTING
SOLUTION



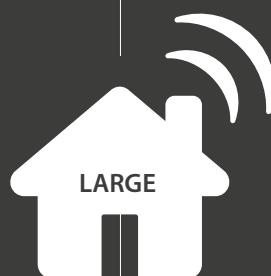
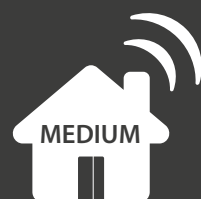
IoT

PREDICTIVE MAINTAINANCE
ASSET TRACKING
HEATMAPPING
BIG DATA
SECURITY



CONTROLS

WIRED
BLUETOOTH®
ZIGBEE®
W-LAN
1-10V
PHASE CUT
CASAMBI
KNX
DMX
DALI 2



SINGLE ROOMS

WHOLE FLOORS & BUILDINGS

OPEN SPACE OFFICES

CONTACT US

+43-5242-71608
info@planlicht.com



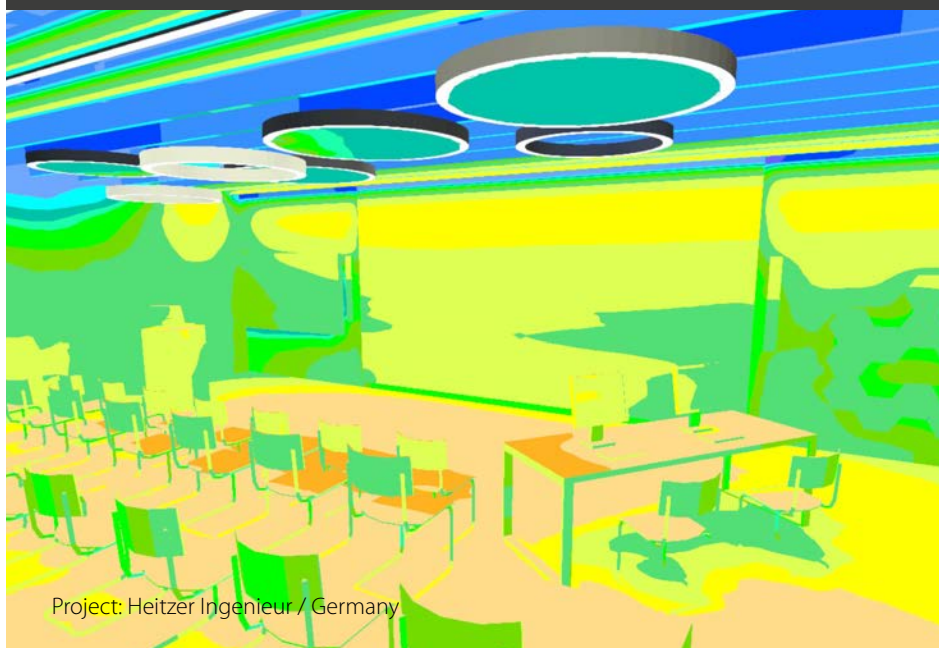
E-Mail: info@planlicht.com

PLANNING COMPETENCE

supporting your needs

Looking for Solutions?

Are you looking for the perfect solution? Do you need support for an efficient and standard-compliant lighting plan that reflects your idea? Let's contact us! Our design department will support and guide you.
PAINTING LIGHT.



Project: Heitzer Ingenieur / Germany



Auf der Suche nach Lösungen?

Sie suchen die passende Lösung? Sie brauchen Unterstützung für eine ausgetüftelte, normgerechte Beleuchtungsplanung, die Ihre Vision umsetzen kann? Nehmen Sie Kontakt mit uns auf und unsere Planungsabteilung unterstützt und begleitet Sie. PAINTING **LIGHT**.

À la recherche de solutions ?

Vous cherchez la bonne solution ? Vous avez besoin d'aide pour une conception d'éclairage sophistiquée, conforme aux normes et capable de réaliser votre vision ? Contactez-nous et notre service de planification vous assistera et vous accompagnera. PAINTING **LIGHT**.

Alla ricerca di soluzioni?

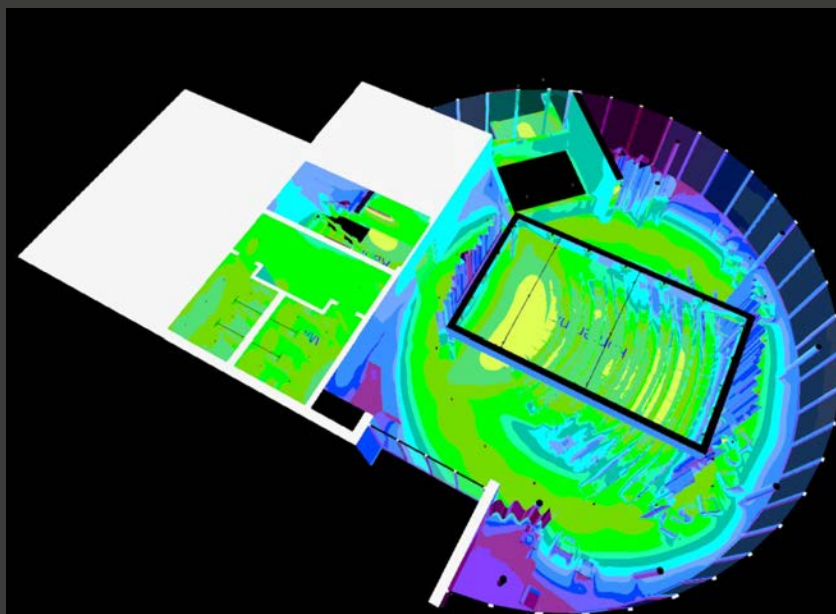
Cercate la soluzione perfetta? Avete bisogno di sostegno per un progetto d'illuminazione efficiente e a norma che possa rispecchiare la vostra idea? Contattateci! Il nostro reparto di progettazione vi sosterrà e guiderà. PAINTING **LIGHT**.

CONTACT US

+43-5242-71608
info@planlicht.com



E-Mail: info@planlicht.com



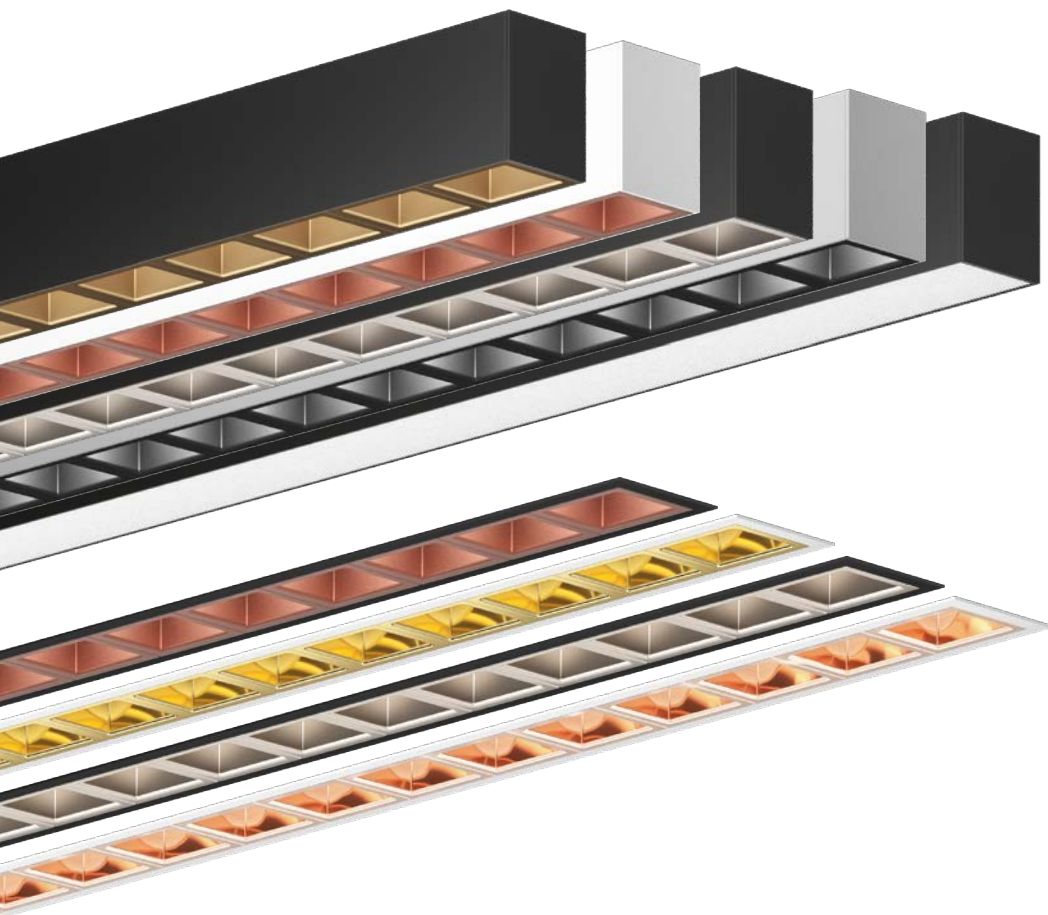


PAINTING **LIGHT**

06 HIGHLIGHTS



quadro



GOOD to know

quadro BAP louvre black provides a **UGR<12** while the white louvre (high output version) has an UGR>19 and is not suitable for office solutions but a decorative talent.

quadro BAP louvre high gloss copper shifts light colours to warm - 4000 K board delivers 3605 K, 3000 K board 2790 K. So close to **2700 K** or **3500 K** solutions can be done easily with this louvre application.

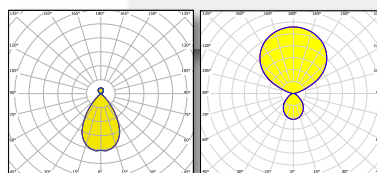
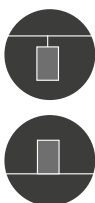
quadro **recessed** can be lined up with optional mid-caps.

quadro has a standard direct to indirect ratio of up to **79:21**. On request you can change this for more indirect light to a ratio up to **30:70**.

DISCOVER
ONLINE



<https://katalog.planlicht.com>



10

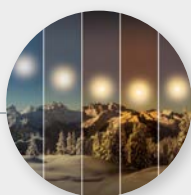
LOUVRE COLOURS
S E L E C T I O N

90

HOUSING COLOURS
S E L E C T I O N

7

CABLE COLOURS
S E L E C T I O N



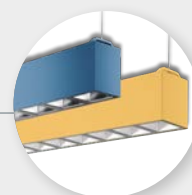
DYNAMIC WHITE
2700-6500 K



LOUVRE
10 colours



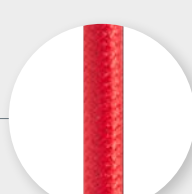
COVER
microprism or satined



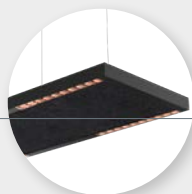
HOUSING
90 RAL colours



QUICK MOUNTING
recessed version
plug & play



CABLES
7 colours



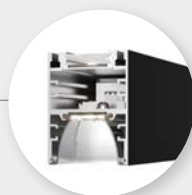
QUADRO QUIET
acoustic versions



SENSORS
motion & daylight



OFFICE
special version



DIRECT/INDIRECT

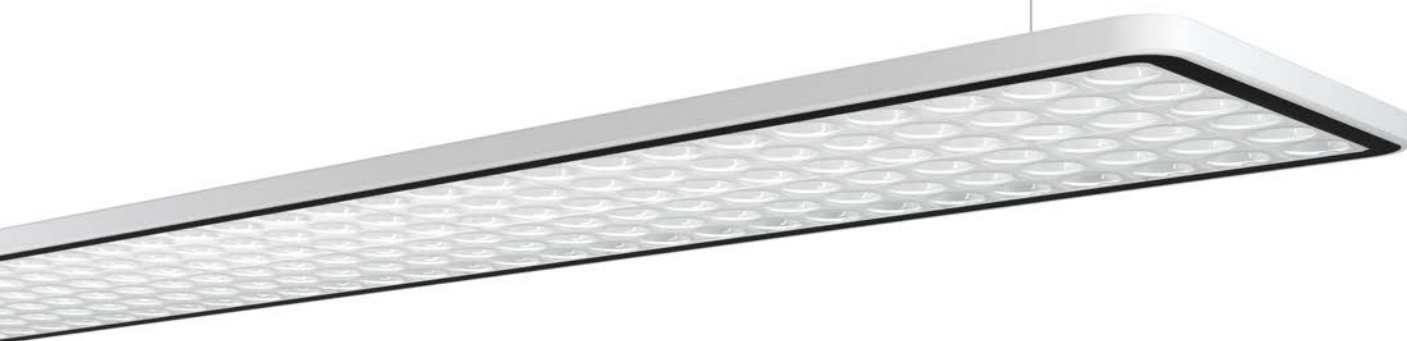


UGR<16

VIDEO

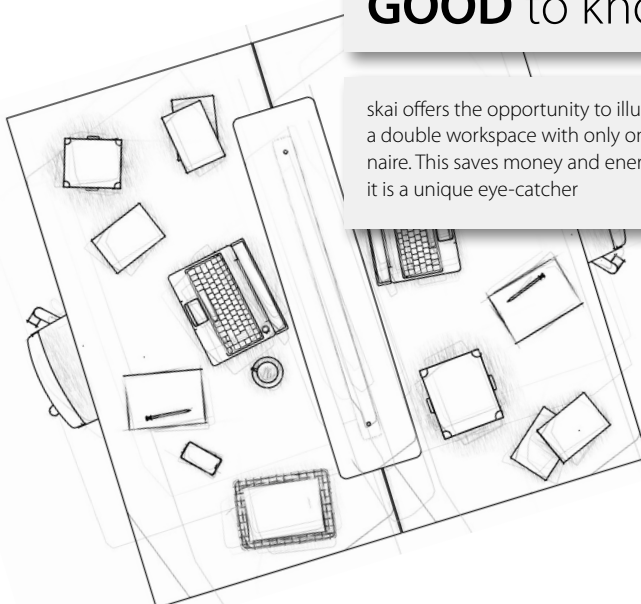


skai



GOOD to know

skai offers the opportunity to illuminate a double workspace with only one luminaire. This saves money and energy. And it is a unique eye-catcher



DISCOVER
ONLINE



<https://katalog.planlicht.com>

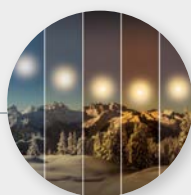


90

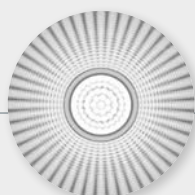
HOUSING COLOURS
S E L E C T I O N

7

CABLE COLOURS
S E L E C T I O N



DYNAMIC WHITE
2700-6500 K



Unique lens
technology



direct/indirect



RAL of your choice
90+ colours



Surface-mounted version



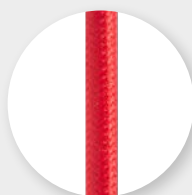
Driver inside housing



Suspension integrated
feed-ins



Design: Kai Stania

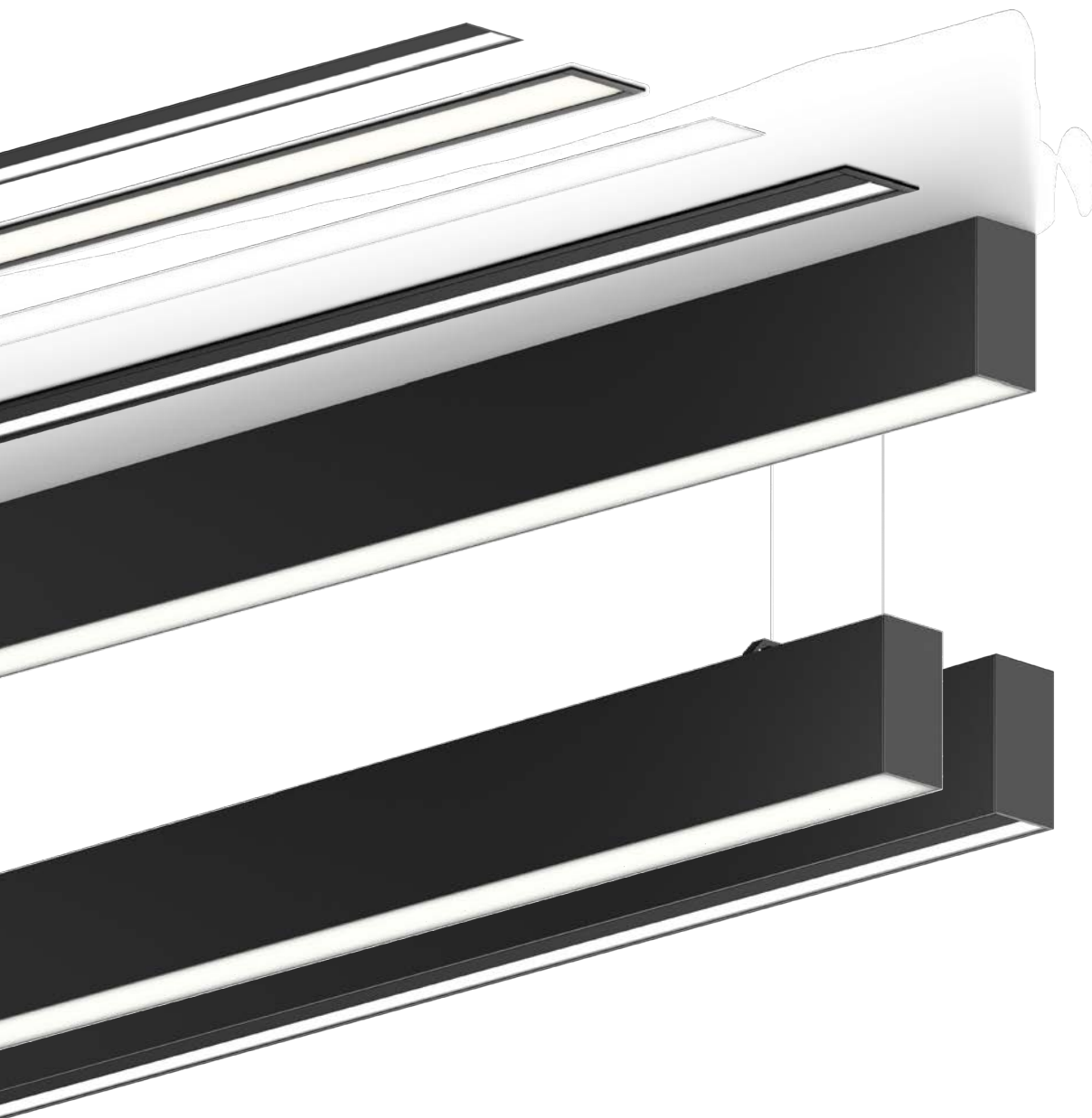


7 cable colours



UGR<16

p.forty



DISCOVER
ONLINE



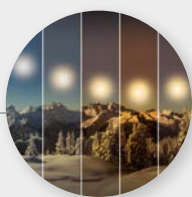
<https://katalog.planlicht.com>

90

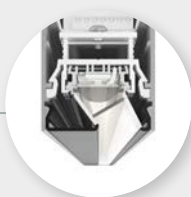
HOUSING COLOURS S E L E C T I O N

7

CABLE COLOURS S E L E C T I O N



DYNAMIC WHITE
2700-6500K



COVER
asymmetric



COVER
microprism or satined



HOUSING
90 RAL colours



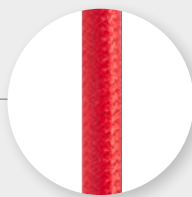
SENSORS
motion & daylight



INSETS anto+



DIRECT/INDIRECT



CABLES
7 colours



COMPLETE LUMINAIRE
Simple assembly
Toolless repairs



EMERGENCY LIGHTING
Option with 3 hrs
emergency lighting



EXTRA COMFORT
microprism with lens



SEMI RECESSED
adjustable
mounting frame



RGBW

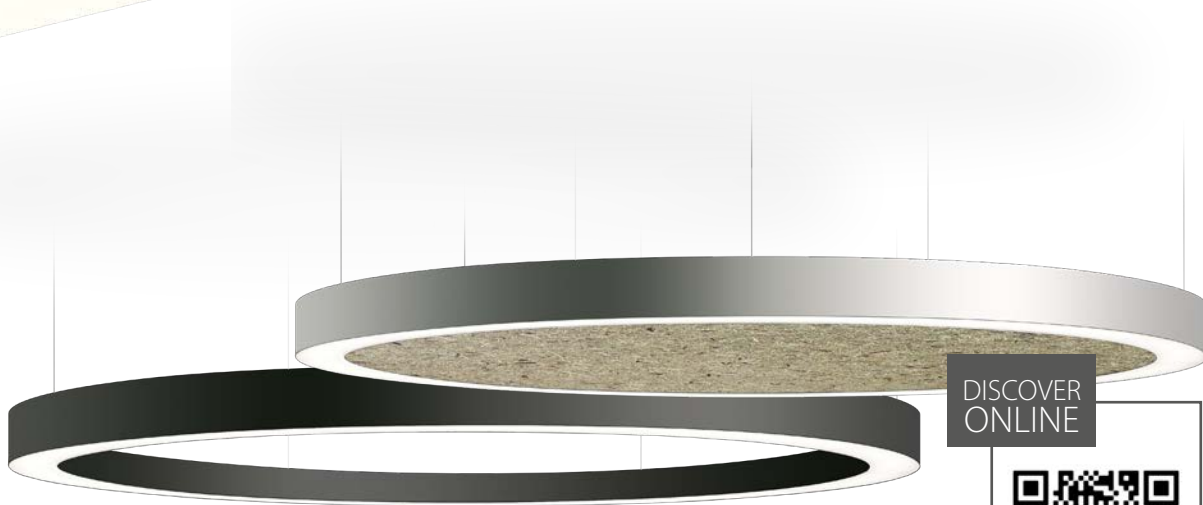
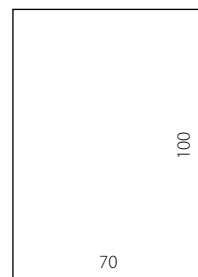
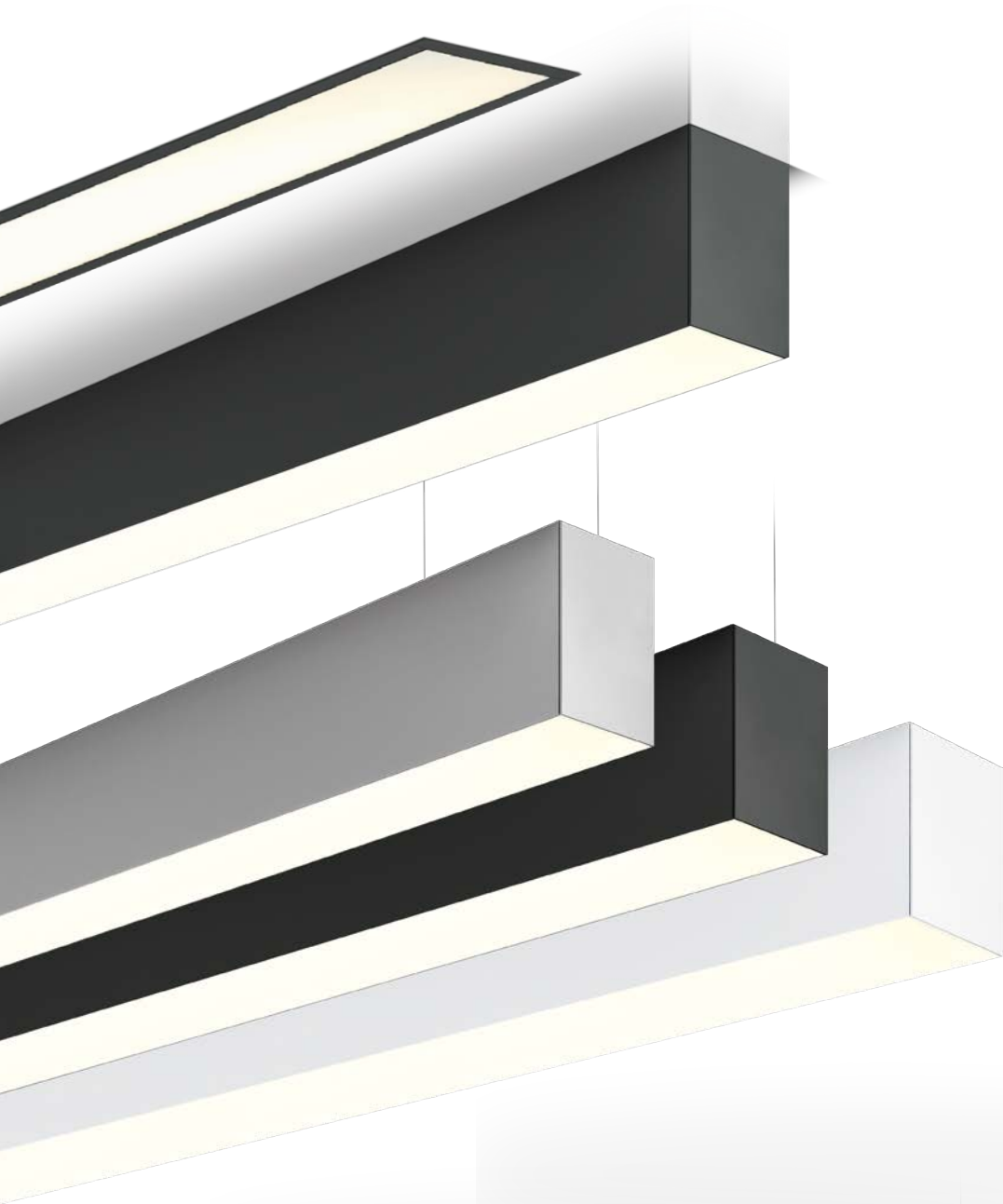


INSETS zenit S

GOOD to know

p.forty **extra comfort** cover provides a **UGR<19** in its low output version, which is also available in DALI-dim.

pure & sinus



DISCOVER
ONLINE



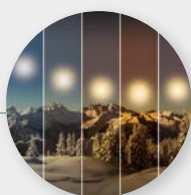
<https://katalog.planlicht.com>

90

HOUSING COLOURS
SELECTION

7

CABLE COLOURS
SELECTION



DYNAMIC WHITE
2700-6500 K



REFLECTOR pure 3
asymmetric & louvre



COVER
microprism or satiné



HOUSING
90 RAL colours



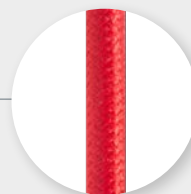
SENSORS
motion & daylight



INSETS anto+
pure 3



DIRECT/INDIRECT



CABLES
7 colours



RGBW



COMPLETE LUMINAIRE
Simple assembly
Toolless repairs



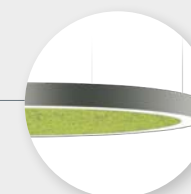
EMERGENCY LIGHTING
Option with 3 hrs
emergency lighting



Dust and insect proof
pure 2 IP54



SEMI RECESSED
adjustable pure 3
mounting frame



ACOUSTIC
sinus quiet



LINES & CURVES
combination



INSETS zenit S
pure 3

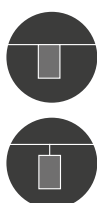


INSETS zenit XS
pure 3



VIDEO

halo & sqing



DISCOVER
ONLINE



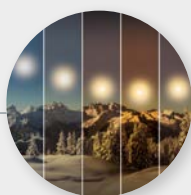
<https://katalog.planlicht.com>

90

HOUSING COLOURS
S E L E C T I O N

7

CABLE COLOURS
S E L E C T I O N



DYNAMIC WHITE
2700-6500 K



lateral diffusor



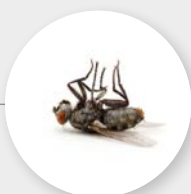
Seamless
frame & cover



RAL of your choice
90+ colours



German Design Award
special mentioned (halo)



Insect-proof

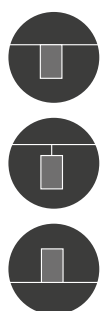


several dimensions
different canopy types



Design: Nina Mair

lili & lilibet & liha



DISCOVER
ONLINE



<https://katalog.planlicht.com>

90

HOUSING COLOURS
S E L E C T I O N

7

CABLE COLOURS
S E L E C T I O N



Dynamic white



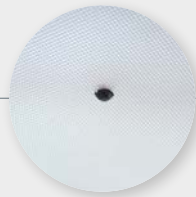
Homogenous lighting,
high efficiency,
identical light distribution
per cm² diffuser for all 5
diameters



Seamless frame



RAL of your choice
90+ colours



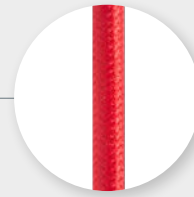
Motion & day-light sensor



Microprismatic
office solutions



Option with 3 hrs emergency
lighting - battery powered



7 cable colours



Rod and central suspension



Variety of 5 circumferences
(330 to 1220 mm) and different
assembly methods



Dust and insect proof



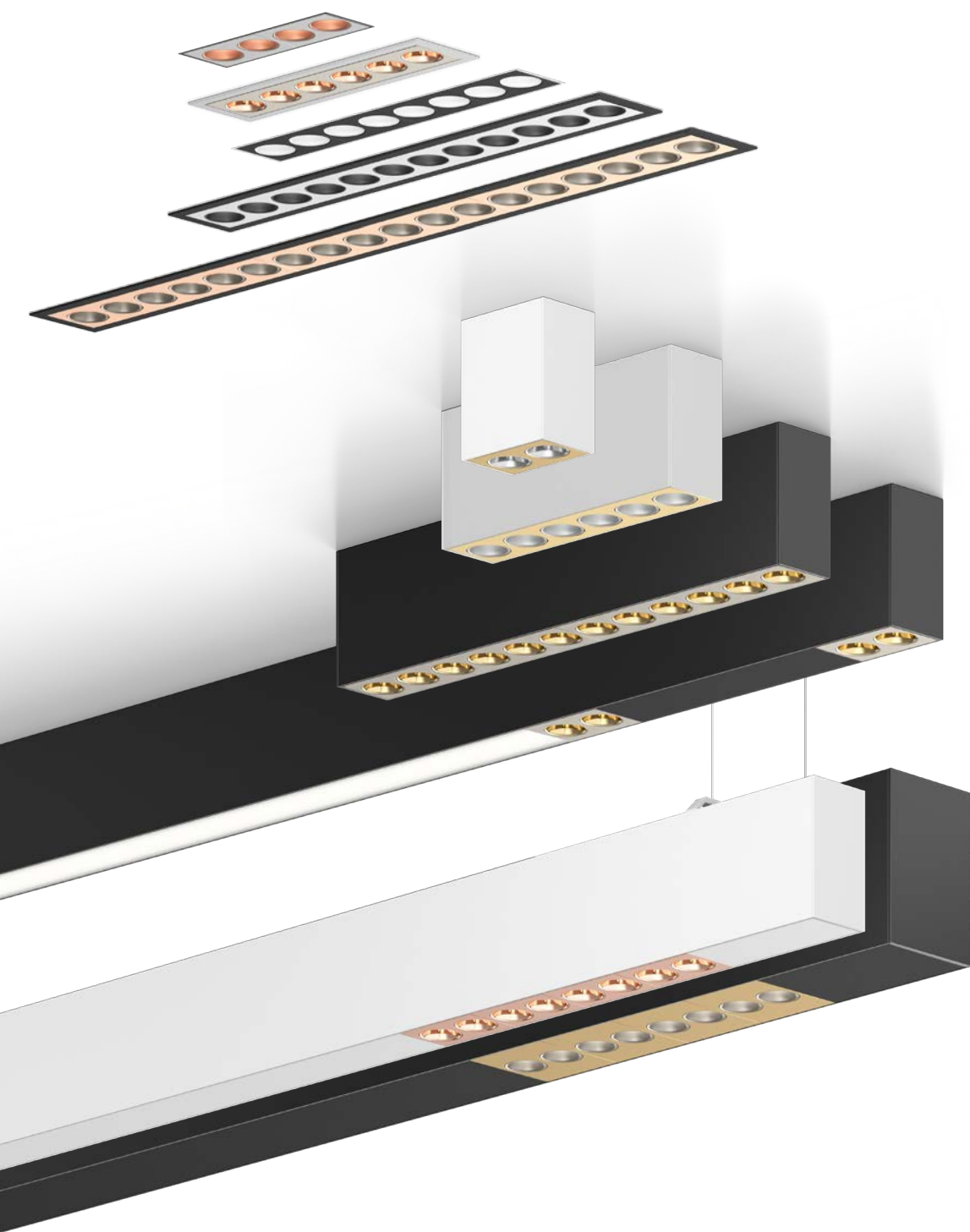
IP54 also with microprism



lateral diffuser
lilibet



anto+



DISCOVER
ONLINE



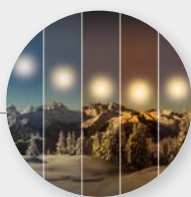
<https://katalog.planlicht.com>

90

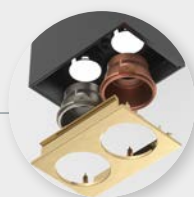
HOUSING COLOURS
S E L E C T I O N

10

TUBES & MASKS
S E L E C T I O N



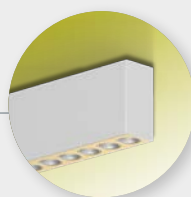
DYNAMIC WHITE
2700-6500K



LENS TUBE
10 colours



MASK
10 colours



HOUSING
90 RAL colours



CRI>90



INSETS
p.forty & pure 3



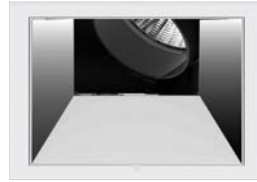
EASY MOUNTING



LENS
3 angles &
asymmetric/oval

UGR<16

diva



DISCOVER
ONLINE

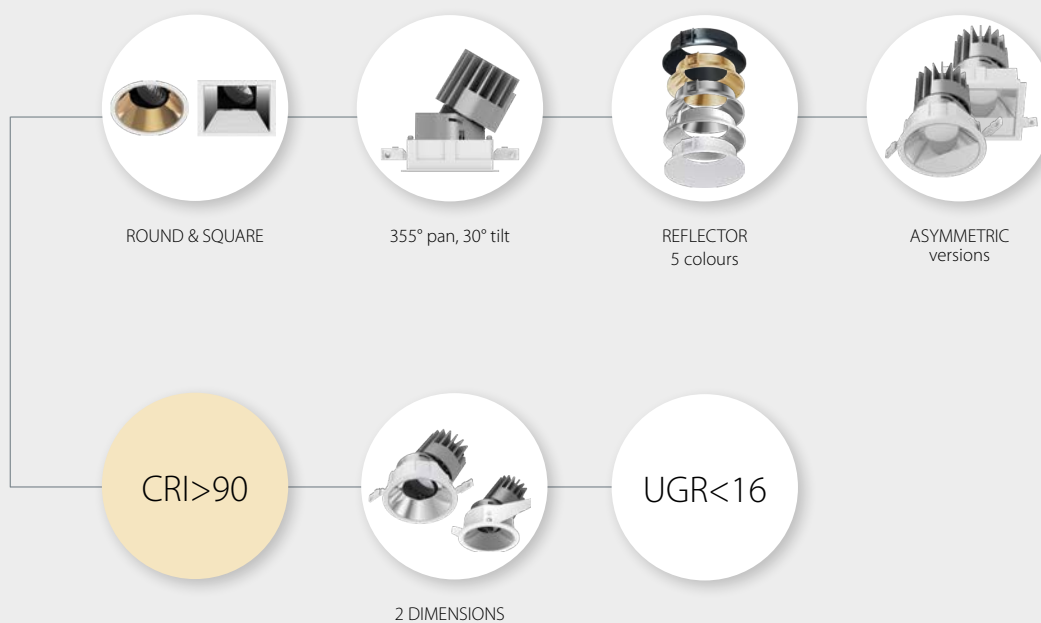


<https://katalog.planlicht.com>

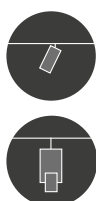
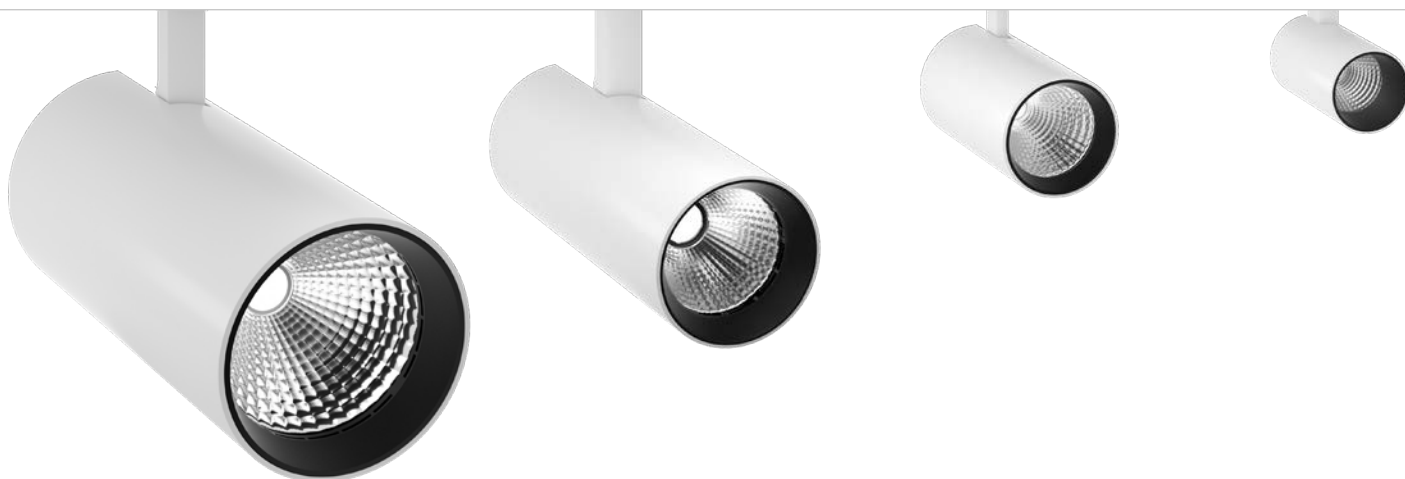




**REFLECTOR COLOURS
S E L E C T I O N**



zenit



DISCOVER
ONLINE



<https://katalog.planlicht.com>

13

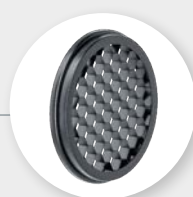
LIGHT COLOURS
SELECTION



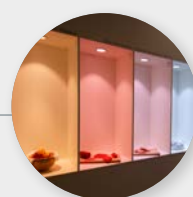
12 different LED modules, high CRI



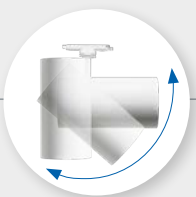
Several beam angles



Honeycomb louvre and lenses



Special light colours (food & fashion)



pan up to 355°
tilt up to 90°



INSETS zenit S
pure 3 & p.forty



INSETS zenit XS
pure 3



Driver inside housing
or in track (zenit S)

cosmo



DISCOVER
ONLINE



<https://katalog.planlicht.com>



meteor



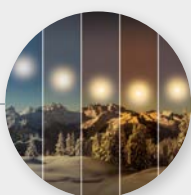
DISCOVER
ONLINE



<https://katalog.planlicht.com>

14

LIGHT COLOURS
SELECTION



DYNAMIC WHITE
2700-6500 K



12 different LED modules, high CRI



Several beam angles



Special light colours (food)



pan up to 355°
tilt up to 270°



4 different mounting versions



Honeycomb louvre and lenses



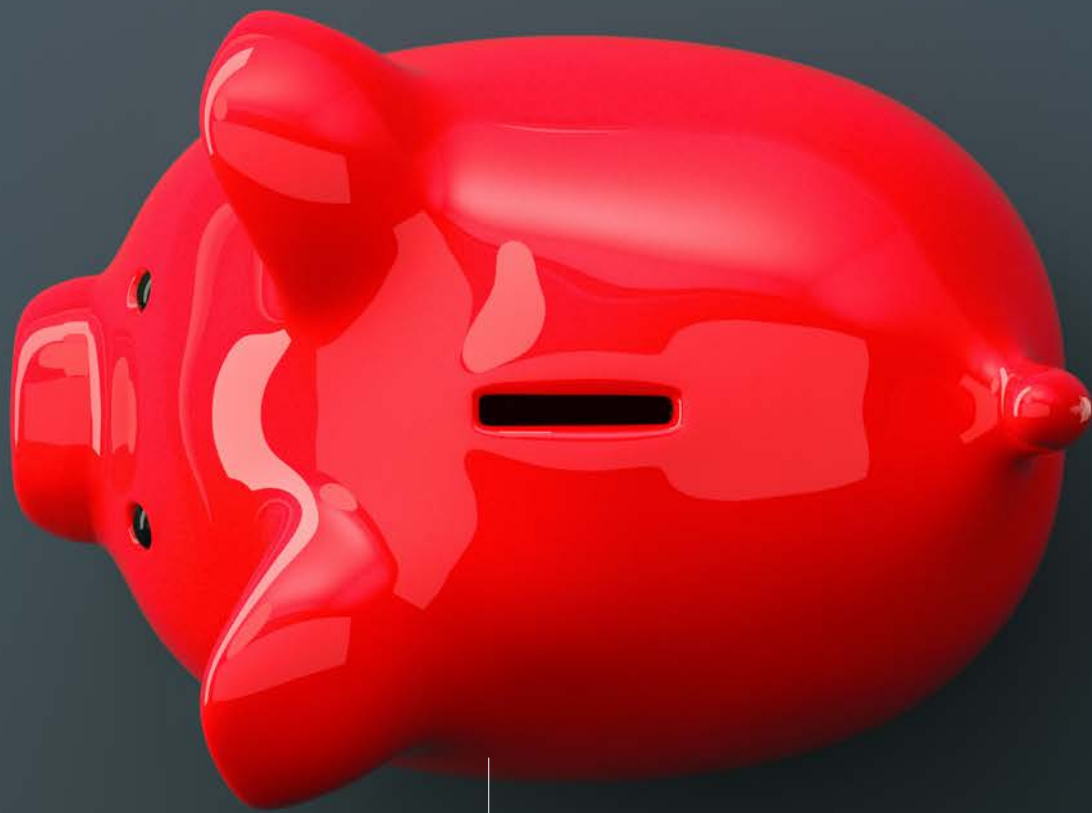
PAINTING **LIGHT**

07 SERVICES



LEASING

TAKE IT **LEASY**



MAINTAIN YOUR **LIQUIDITY**

PLANLICHT FINANCING



ACOUSTIC PLANNING

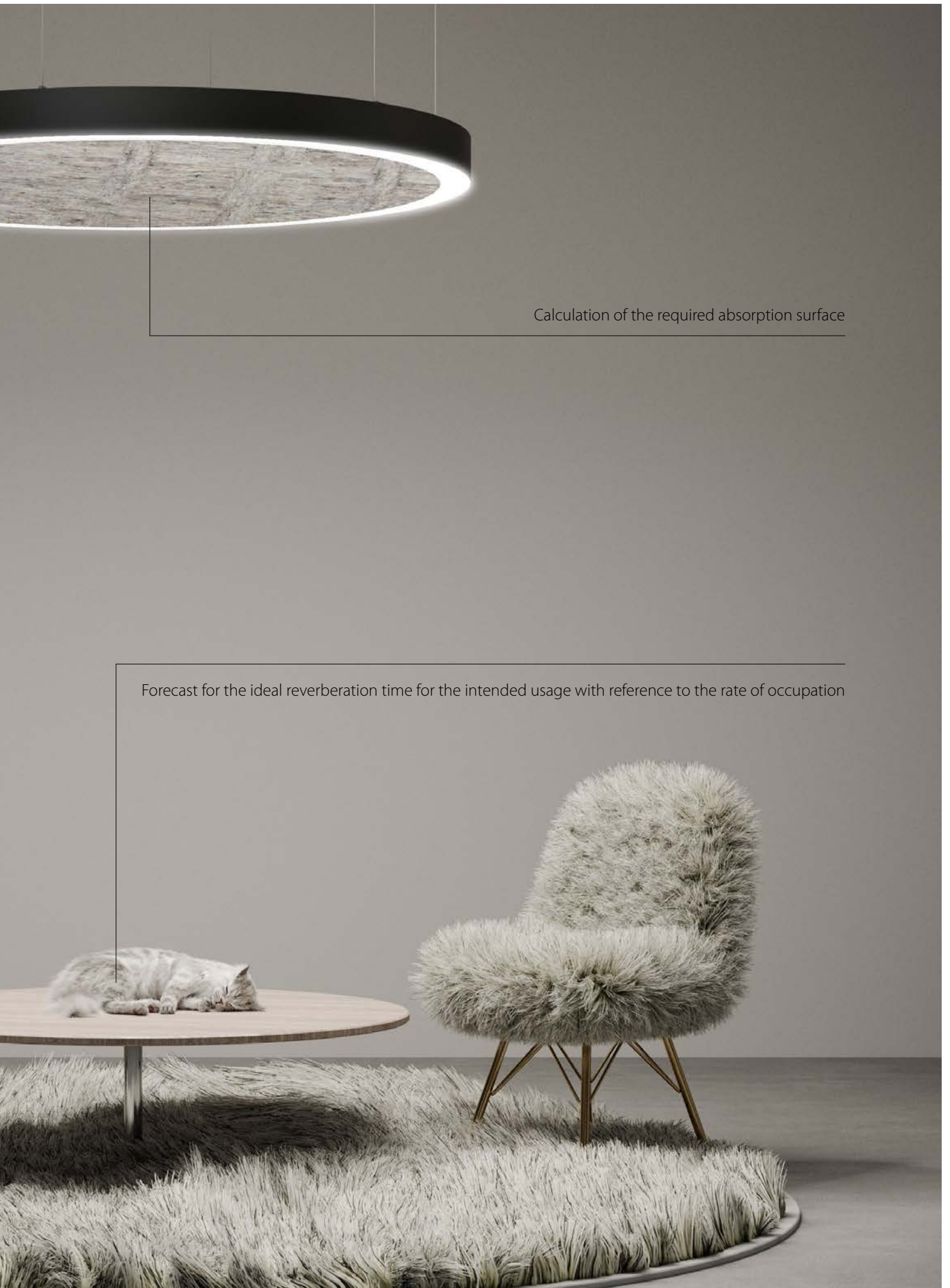


Acoustic calculations in rooms

Evaluating the equivalent absorption surfaces in the furnished and unfurnished room

Definition of accomplished noise reduction

PLANLICHT ACOUSTIC



Calculation of the required absorption surface

Forecast for the ideal reverberation time for the intended usage with reference to the rate of occupation

PHOTOMETRY

MEASURING **LAB**

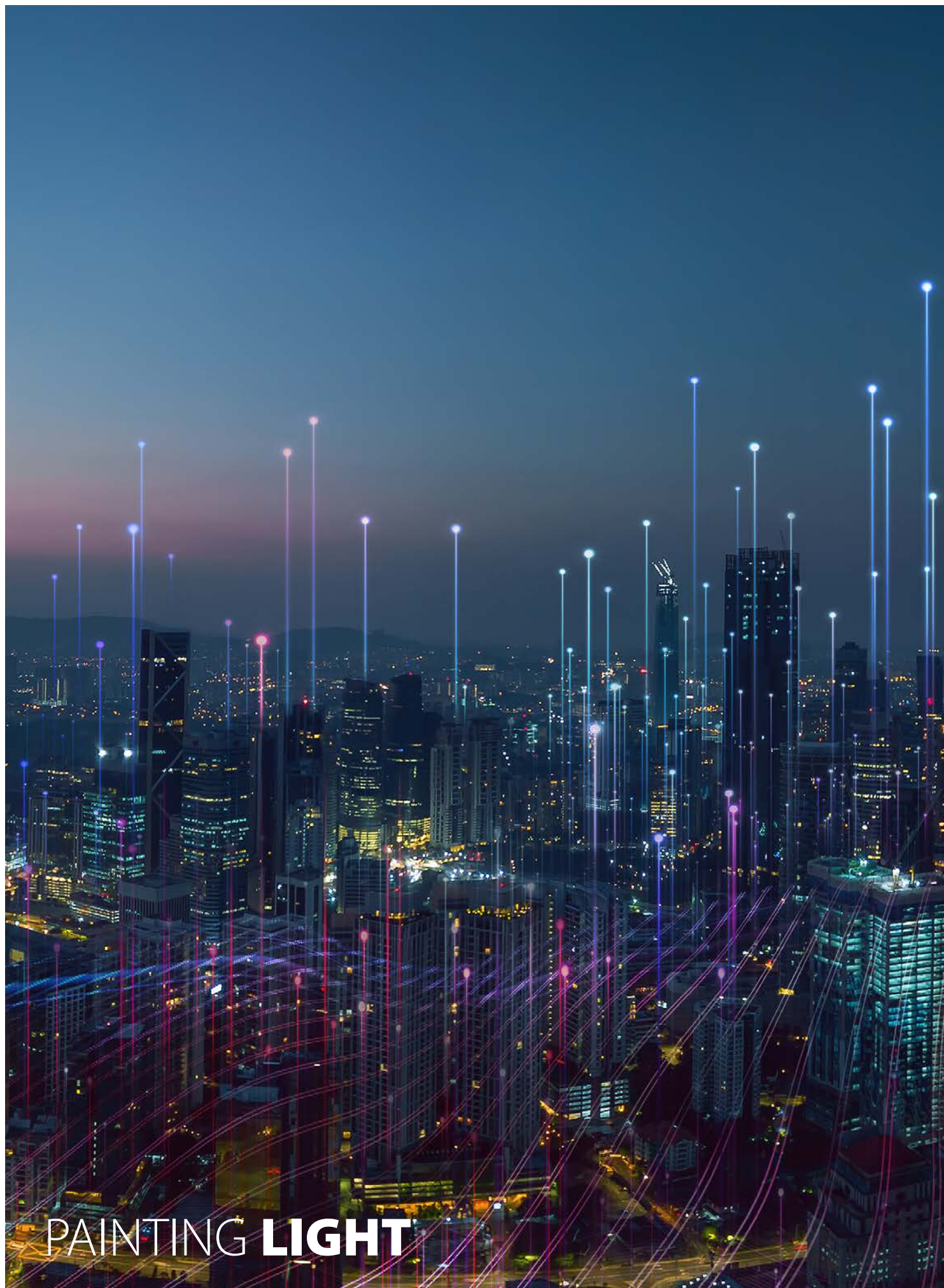
Flicker index
TM-30-15 Colour evaluation report
Colour spectrum/colour reproduction

photometrical data & measuring
.ldt & .ies light calculation files
measurement protocol

PLANLICHT LABORATORY



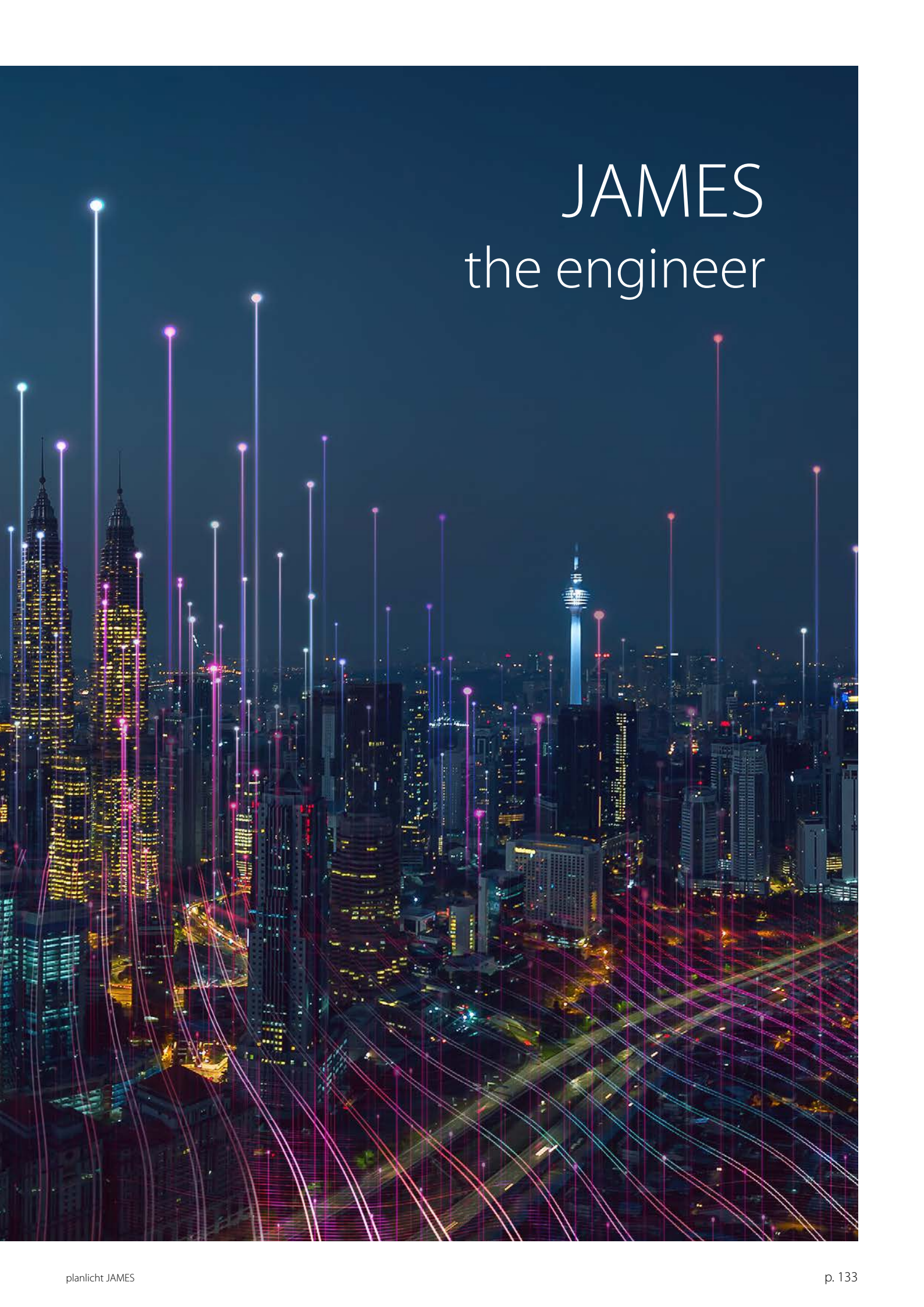
melanopic efficiency
Blue light hazard risk groups
LM80 test

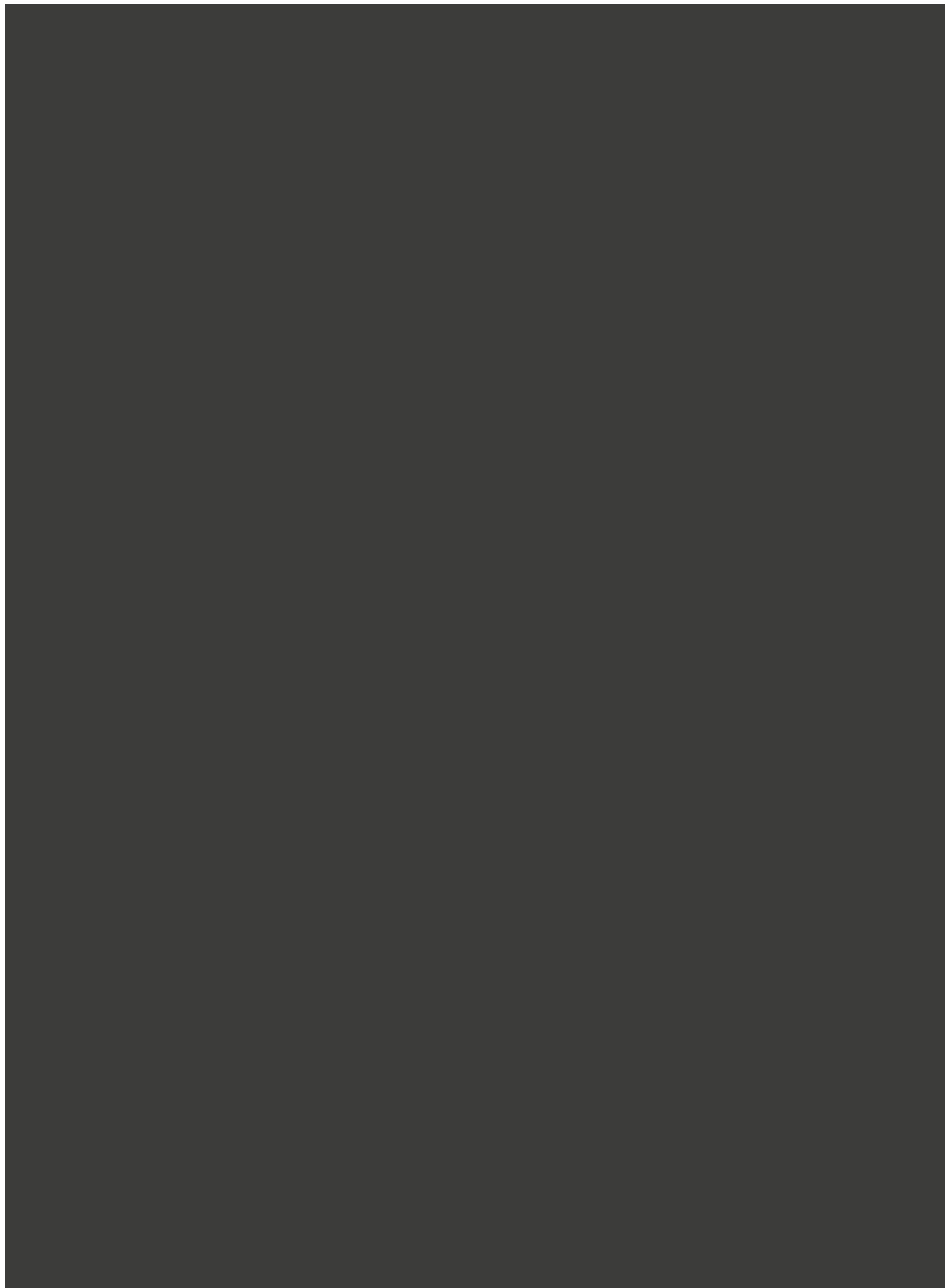


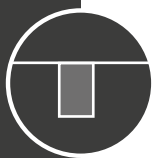
PAINTING **LIGHT**

JAMES

the engineer



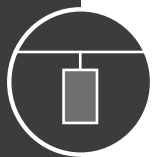




SURFACE-MOUNTED

p. 136

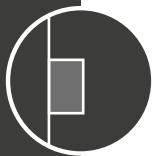
AUFBAULEUCHTEN | LUMINAIRE EN SAILLE | APPARECCHIO A PLAFONE



PENDANT

p. 180

HÄNGELEUCHTEN | SUSPENSION | SOSPENSIONE



WALL MOUNTED

p. 250

WANDLEUCHTEN | APPLIQUES | APPLIQUE



RECESSED

p. 266

EINABAULEUCHTEN | LUMINAIRE ENCASTRÉ | DA INCASSO



CUSTOMIZED

p. 314

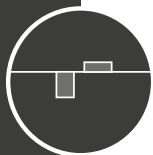
BANDLÖSUNGEN | SOLUTIONS SUR MESURE | SISTEMA LINEARE



FLOOR LAMP

p. 342

STEHLEUCHTE | LAMPADAIRE | LAMPADA A STELO



SPOTS

p. 344

SPOTS | PROJECTEURS | FARETTI



3-PHASE TRACK LIGHTS

p. 388

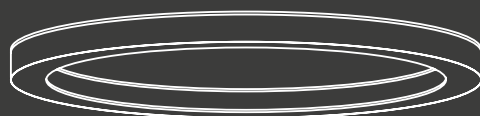
3-PHASEN LEUCHTEN | LUMINAIRE POUR RAIL 3 PHASES | APPARECCHIO PER BINARIO 3-FASE



CONTROLS

p. 422

STEUERUNGEN | SYSTÈMES DE GESTION | SISTEMI DI GESTIONE



halo
p. 158



sinus
p. 162



lili
p. 164



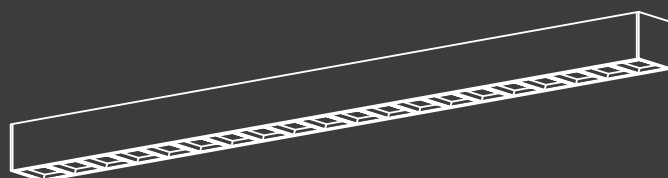
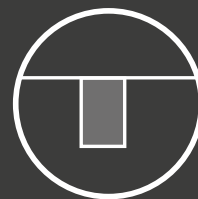
lilibet
p. 170



liha
p. 174

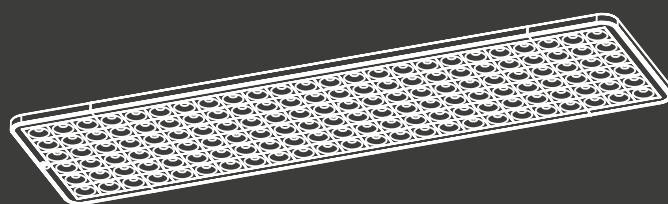
SURFACE-MOUNTED

AUFBAULEUCHTEN | LUMINAIRES EN SAILLIE | APPARECCHIO A PLAFONE



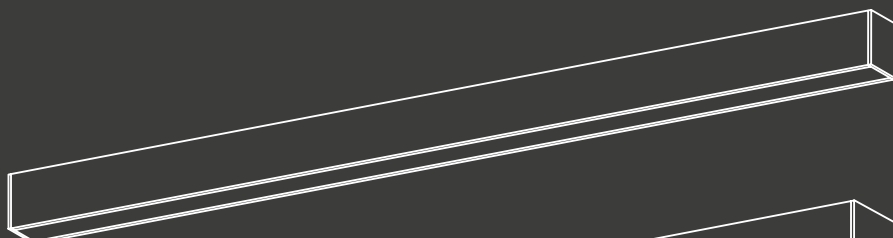
quadro

p. 138



skai

p. 142



p.forty

p. 146



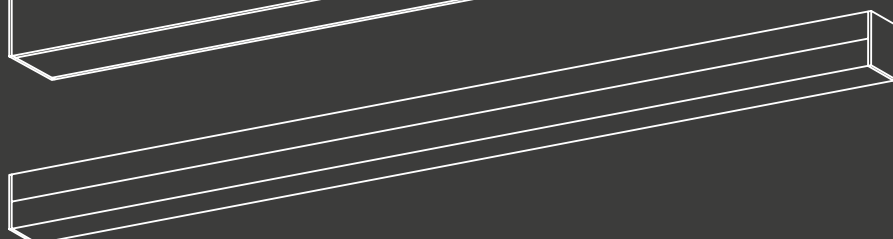
pure 3

p. 150



pure 2 IP54

p. 152

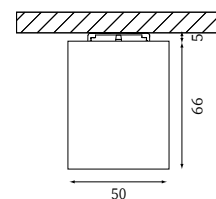
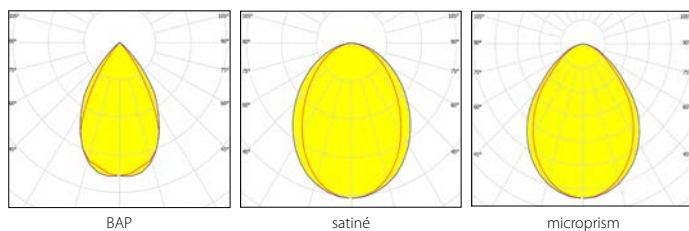
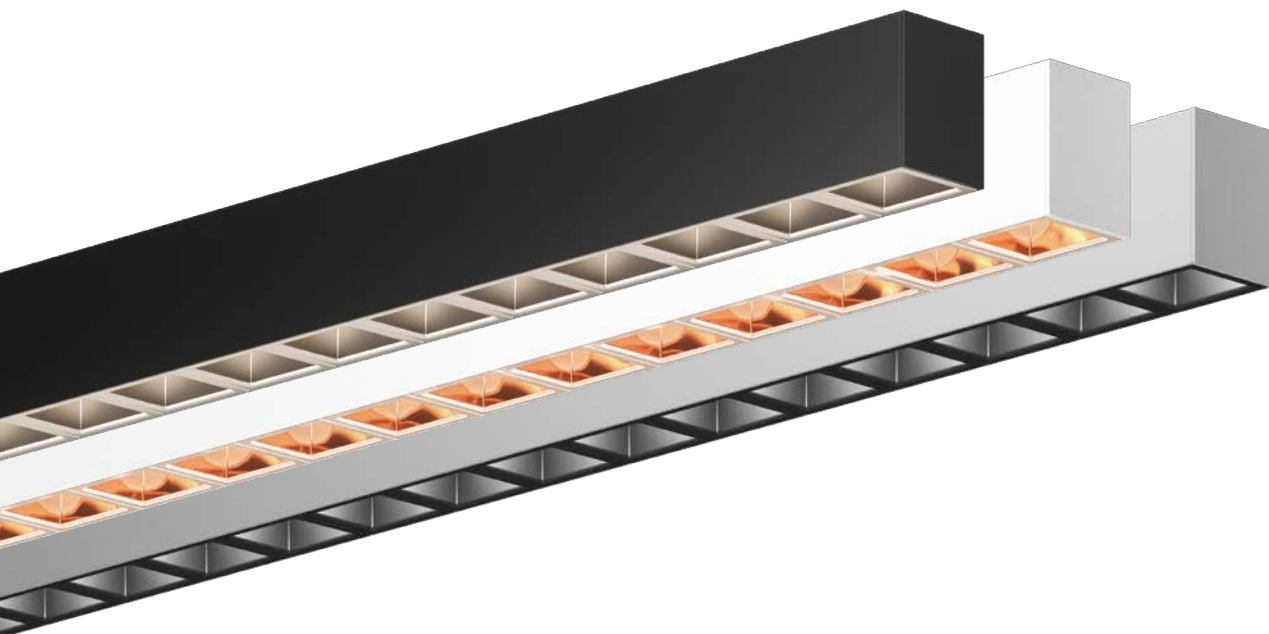


p.mini/p.mirror

p. 156

quadro

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



Design: Roland Karrer

A++ **A**

230V IP20 $R_a > 80$ UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 116 lm/W, up to 3870 lm/m

$R_a > 80$, UGR < 16, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

BAP louvre

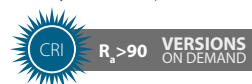
Options

Emergency lighting 3h (p. 447)

Motion and day-light sensor (p. 446)

BAP louvre colours (p. 140)

RAL of your choice (p. 449)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

BAP		BAP Sensor		satiné / microprism		microprism Sensor	
1124 mm	112	1149 mm	114	1130 mm	113	1155 mm	115
1404 mm	140	1429 mm	142	1410 mm	141	1435 mm	143
1684 mm	168			1690 mm	169		
2244 mm	224			2250 mm	225		
2804 mm	280			2810 mm	281		
3364 mm	336			3370 mm	337		

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

	non Sensor	with Sensor
low output non-dim	L1	
low output DALI	L3	L7
high output DALI	H3	H7
dynamic white	X3	X7

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné *	S	BAP white (RAL 9016) *	W
microprism *	M	BAP black (RAL 9005)	N
BAP high-gloss silver	B	BAP glaring gold	D
BAP silver matte	P	BAP capital copper	R
BAP high-gloss gold	G	BAP gunnery grey	Y
BAP high-gloss copper	K	BAP black chrome matte	C
BAP louvre colours (p. 140)			

* Versions UGR > 19: satiné, microprism, BAP white

Beispiel | Example | Exemple | Esempio

1124 mm, white, 4000 K, high output DALI, BAP high-gloss silver

T65A112-9016C1840H3B

Luminous Flux (lm)

4000 K BAP silver matte	high output	low output
1124 mm	4201 lm	2227 lm
1404 mm	5252 lm	2784 lm
1684 mm	6302 lm	3340 lm
2244 mm	8402 lm	4453 lm
2804 mm	10503 lm	5567 lm
3364 mm	12604 lm	6680 lm

System Power (W)

BAP silver matte	high output	low output	dynamic white
1124 mm	40 W	20 W	42 W
1404 mm	50 W	25 W	52 W
1684 mm	60 W	30 W	62 W
2244 mm	79 W	40 W	83 W
2804 mm	99 W	50 W	104 W
3364 mm	119 W	60 W	125 W

Weight (kg)

1124 - 1155 mm	2,9 kg
1404 - 1435 mm	3,3 kg
1684 - 1690 mm	4,5 kg
2244 - 2250 mm	6,2 kg
2804 - 2810 mm	7,5 kg
3364 - 3370 mm	9,5 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
BAP silver matte	high output	low output	high output	low output	2700 - 6500 K
1404 mm	5099 lm	2702 lm	5252 lm	2784 lm	4640 lm



COMPARE COVER

Luminous Flux (lm)

	satiné		microprism		high-gloss silver		silver matte		high-gloss gold		high-gloss copper	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1404 mm	3811 lm	2264 lm	3556 lm	2241 lm	5414 lm	2870 lm	5252 lm	2784 lm	5089 lm	2697 lm	4965 lm	2631 lm

	BAP white		BAP black		glaring gold		capital copper		gunnery grey		black chrome matte	
1404 mm	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
	4842 lm	2567 lm	2978 lm	1578 lm	3309 lm	1754 lm	3143 lm	1666 lm	3391 lm	1797 lm	3909 lm	2072 lm



white
9016



black
9005



glaring
gold



black chrome
matte



high-gloss
gold

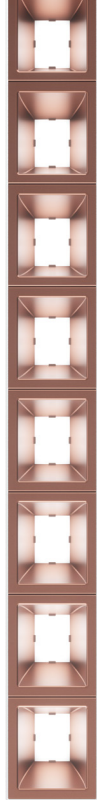




gunnery
grey



high-gloss
copper



capital
copper



silver
matte



high-gloss
silver

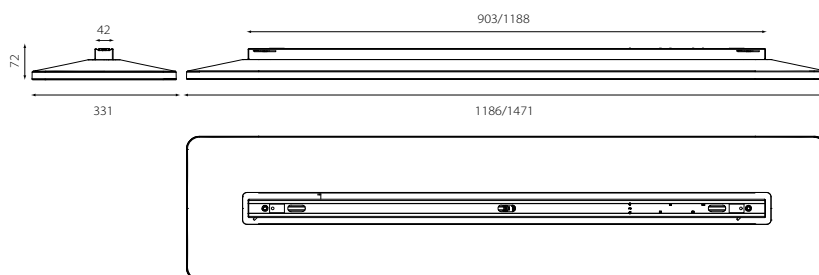
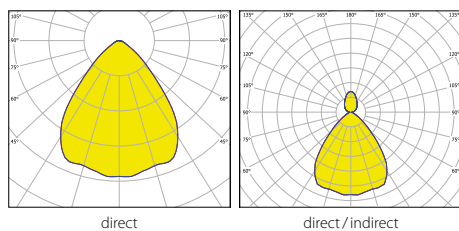


GOOD to know

quadro BAP louvre high gloss copper shifts light colours to warm - 4000 K board delivers 3605 K, 3000 K board 2790 K. So close to **2700 K** or **3500 K** solutions can be done easily with this louvre application.

skai

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



Design: Kai Stania



230V IP20 $R_a > 80$ UGR < 16 up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 145 lm/W, up to 5087 lm/m

$R_a > 80$, UGR < 16, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L90/50.000h

Optic

direct

direct/indirect

unique lens-technology

Options

Motion and day-light sensor (p. 446)

RAL of your choice (p. 449)

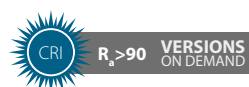
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Länge | Length | Longueur | Lunghezza

1186 mm	118
1471 mm	147

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

non-dim	1
DALI	3
Sensor Sensor Capteur Sensore (direct / indirect only)	7

Beispiel | Example | Esempio

1186 mm, white, direct / indirect, 4000 K, DALI

T11A118-9016C2840X3L

Luminous Flux (lm)

	direct			direct / indirect			Weight (kg)	
	3000 K	4000 K	dynamic white	3000 K	4000 K	dynamic white		
1186 mm	4068 lm	4422 lm	3494 lm	5560 lm	6033 lm	4770 lm	1186 mm	8,4 kg
1471 mm	4937 lm	5367 lm	4367 lm	6470 lm	6993 lm	5650 lm	1471 mm	9,7 kg

System Power (W)

	direct		direct / indirect	
	3000 K / 4000 K	dynamic white	3000 K / 4000 K	dynamic white
1186 mm	30 W	30 W	51 W	51 W
1471 mm	37 W	38 W	56 W	58 W

Zubehör | Accessories | Accessoires | Accessori **DECORATIVE FRAME T11-1-2-SW**

1 Output

non-dim / DALI	ZRA
Sensor DALI	ZRASD
Sensor dynamic white	ZRASH

2 Dimension

1186 mm	118
1471 mm	147

Zubehör | Accessories | Accessoires | Accessori **SENSOR DALI**

54P913700359103	Extended IR Programming Tool
54P913700392403	IR Remote Control



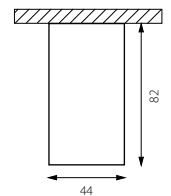
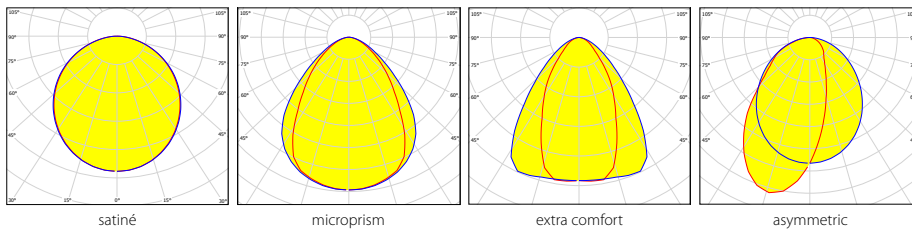
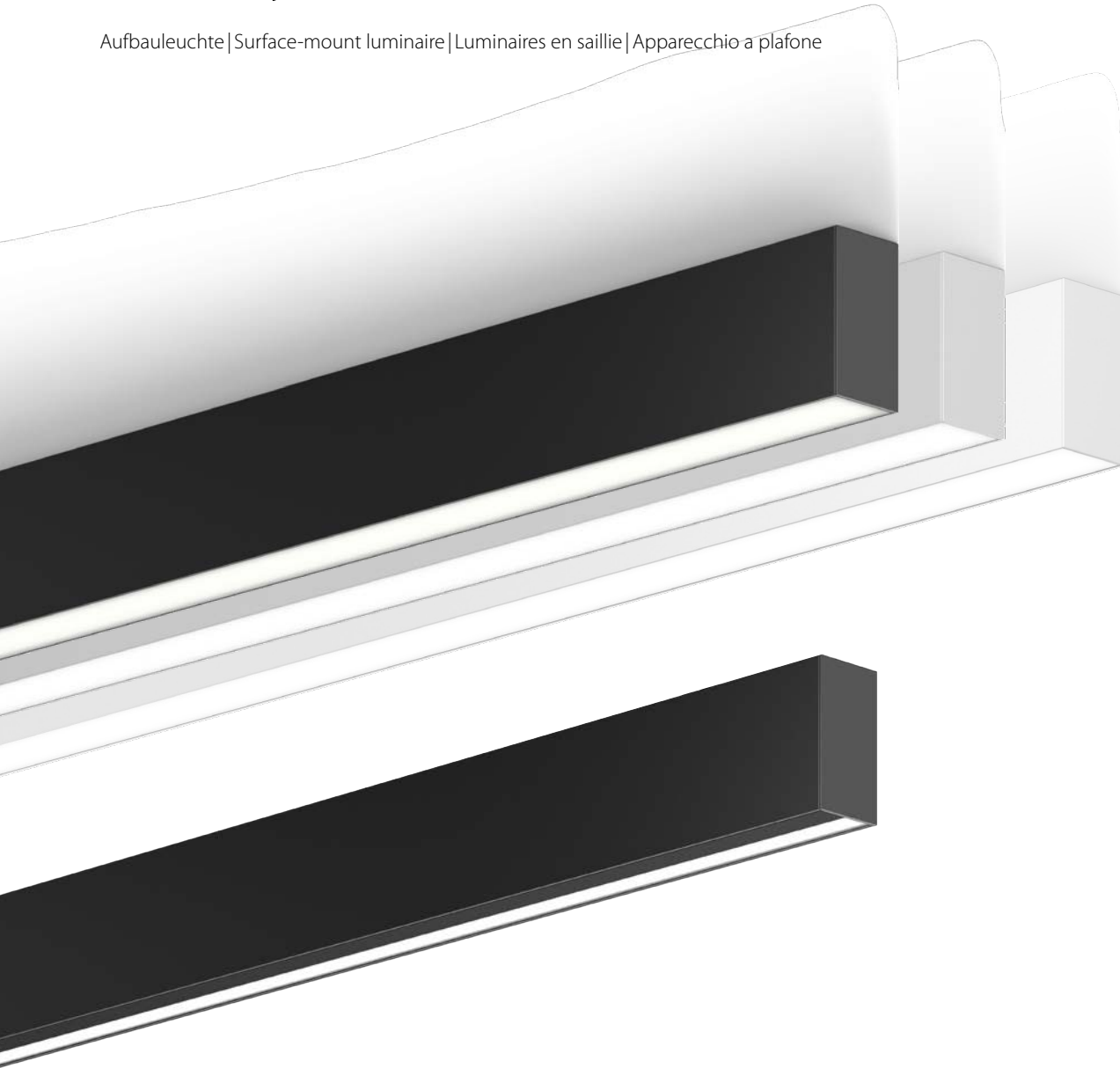


Rendering



p.forty

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



230V IP20 $R_a > 80$ UGR < 19 up to L80/50.000h MacAdam 3 DALI switchDIM



LED

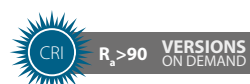
3000K, 4000K, dynamic white
up to 142 lm/W, up to 2986 lm/m
 $R_a > 80$, MacAdam 3
non-dim/DALI
IEC 62471: Blue light hazard: RG ≤ 1
Lifetime up to L80/50.000h

Optic

direct
satiné & microprism for reduced brightness (LRA)
extra comfort microprism for reduced glare ratio
asymmetric cover

Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
RAL of your choice (p. 449)



Housing

powder coated
RAL 9006
RAL 9016
RAL 9005

1 Länge | Length | Longueur | Lunghezza

574 mm	057
854 mm	085
1134 mm	113
1414 mm	141
1694 mm	169
2254 mm	225
2818 mm	281
3378 mm	337
4498 mm	449

Bandlösungen | Customized solutions | Solutions sur mesure | Sistema lineare p. 316

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
extra comfort (low output only)	E

Beispiel | Example | Exemple | Esempio

1414 mm, white, 4000 K, high output DALI, satiné

P40A141-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
574 mm	1360 lm	814 lm
854 mm	2080 lm	1230 lm
1134 mm	2879 lm	1664 lm
1414 mm	3606 lm	2075 lm
1694 mm	4362 lm	2469 lm
2254 mm	5757 lm	3329 lm
2818 mm	7211 lm	4150 lm
3378 mm	8724 lm	4938 lm
4498 mm	11514 lm	6657 lm

System Power (W)

	high output	low output	dynamic white
574 mm	13 W	8,2 W	14,5 W
854 mm	19 W	11,5 W	21 W
1134 mm	25 W	14,5 W	26 W
1414 mm	31 W	17,5 W	32 W
1694 mm	37 W	20 W	37 W
2254 mm	47 W	27 W	49 W
2818 mm	62 W	35 W	63 W
3378 mm	74 W	40 W	74 W
4498 mm	94 W	55 W	98 W

Weight (kg)

574 mm	1,4 kg
854 mm	1,9 kg
1134 mm	2,4 kg
1414 mm	3,3 kg
1694 mm	3,8 kg
2254 mm	4,8 kg
2818 mm	6,4 kg
3378 mm	7,4 kg
4498 mm	9,2 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
1414 mm	3519 lm	2051 lm	3606 lm	2075 lm	3290 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism*		extra comfort	asymmetric	
4000 K	high output	low output	high output	low output	low output	high output	low output
1414 mm	3606 lm	2075 lm	3747 lm	2153 lm	2413 lm	3214 lm	1849 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satiniertem Folie zur Erhöhung der Homogenität geliefert (- 9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).

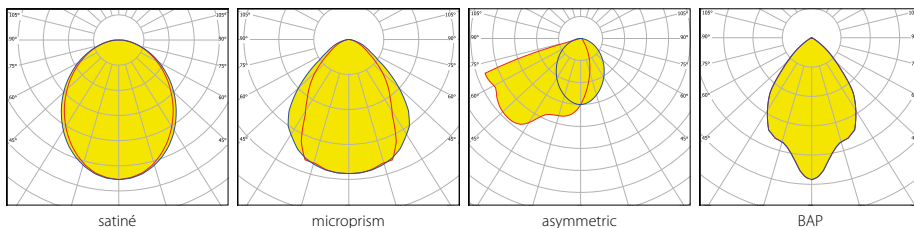
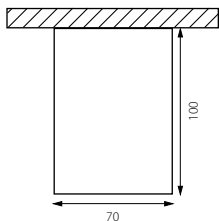
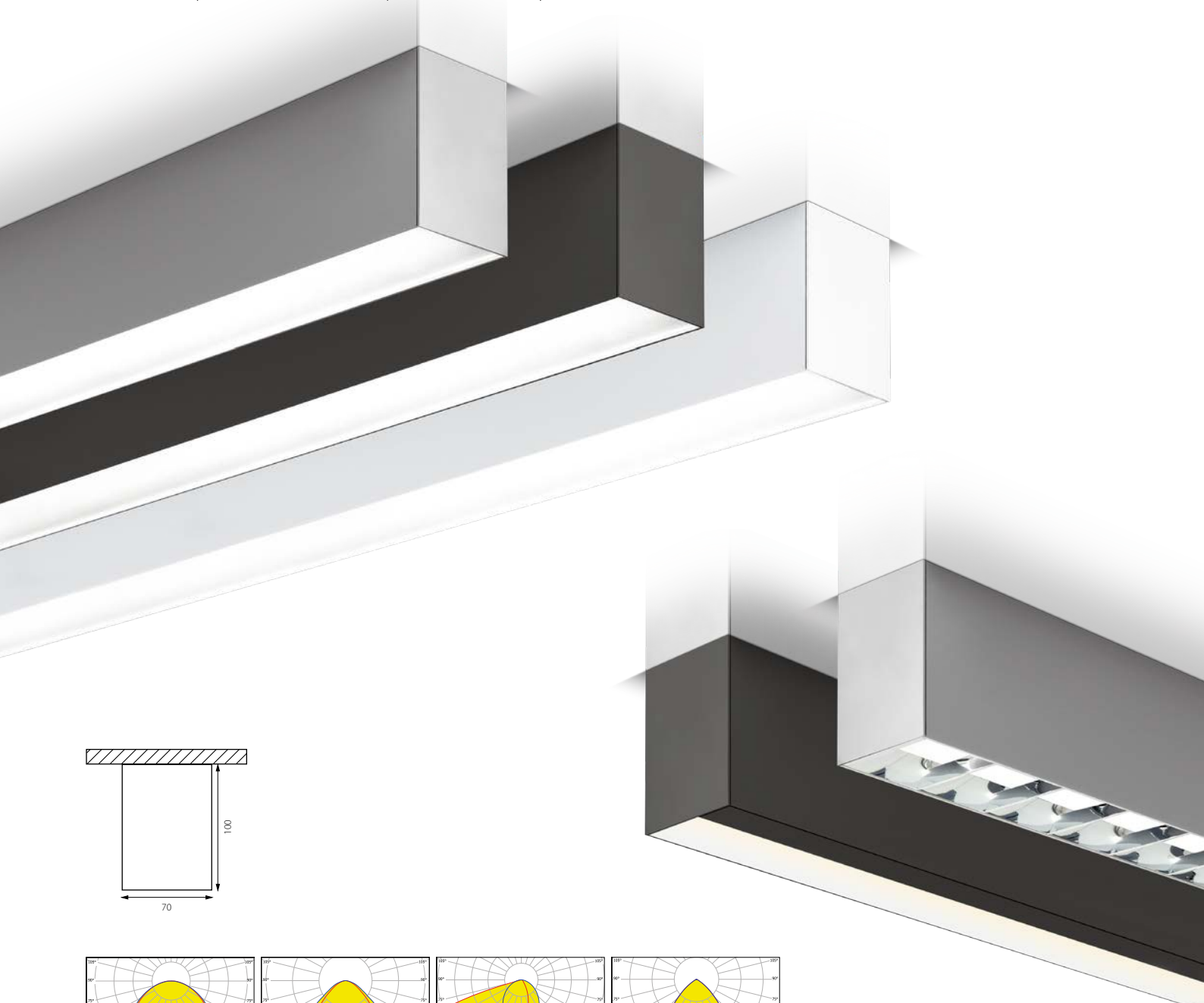




Kulturhaus Bad Blaubach / Germany

pure 3

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



A++ **A**

230V IP20 IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 126lm/W, up to 2990lm/m
 $R_a > 80$, MacAdam 3
non-dim/DALI
IEC 62471: Blue light hazard: RG≤1
Lifetime up to L90/50.000h

Optic

direct
satiné
microprism for reduced brightness (LRA)
asymmetric/BAP



Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
Ball-proof accessory (satiné & microprism only)
RAL of your choice (p. 449)
RGBW (satiné & microprism only)

Housing

powder coated
RAL 9006
RAL 9016
RAL 9005

1 Länge | Length | Longueur | Lunghezza

		asymmetric		BAP	
574 mm	057	573 mm	057	-	-
854 mm	085	853 mm	085	-	-
1134 mm	113	1133 mm	113	1134 mm	113
1414 mm	141	1413 mm	141	1414 mm	141
1694 mm	169	1693 mm	169	-	-
2254 mm	225	2259 mm	225	2259 mm	225
2818 mm	281	2819 mm	281	2819 mm	281
3378 mm	337	3379 mm	337	3384 mm	338
4222 mm	422	4223 mm	422	4220 mm	422

Bandlösungen | Customized solutions | Solutions sur mesure | Sistema lineare p. 322

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 (asymmetric & BAP louvre only)	C
IP40	E

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
BAP louvre	B

Beispiel | Example | Esempio

574 mm, white, 4000 K, high output DALI, satiné

P33A057-9016E1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
574 mm	1365 lm	812 lm
854 mm	2045 lm	1192 lm
1134 mm	2767 lm	1597 lm
1414 mm	3434 lm	1962 lm
1694 mm	4225 lm	2404 lm
2254 mm	5692 lm	3127 lm
2818 mm	6868 lm	3923 lm
3378 mm	8450 lm	4807 lm
4222 mm	10303 lm	5885 lm

System Power (W)

	high output	low output	dynamic white
573/574 mm	14 W	9 W	16 W
853/854 mm	21 W	12,5 W	23 W
1133/1134 mm	27 W	16 W	28 W
1413/1414 mm	33 W	19 W	34 W
1693/1694 mm	40 W	22 W	40 W
2254/2259 mm	53 W	29 W	54 W
2818/2819 mm	67 W	38 W	68 W
3378-3384 mm	80 W	45 W	81 W
4220-4223 mm	100 W	57 W	102 W

Weight (kg)

573/574 mm	2,2 kg
853/854 mm	3,1 kg
1133/1134 mm	4,1 kg
1413/1414 mm	5,1 kg
1693/1694 mm	6,1 kg
2254/2259 mm	8,2 kg
2818/2819 mm	10,2 kg
3378-3384 mm	12,7 kg
4220-4223 mm	15,2 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
1414 mm	3335 lm	1911 lm	3434 lm	1962 lm	3104 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism*		BAP louvre		asymmetric	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output
1413/1414 mm	3434 lm	1962 lm	3653 lm	2134 lm	4185 lm	2393 lm	3533 lm	1857 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5 % Lichtstrom).

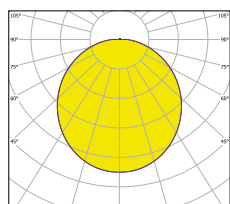
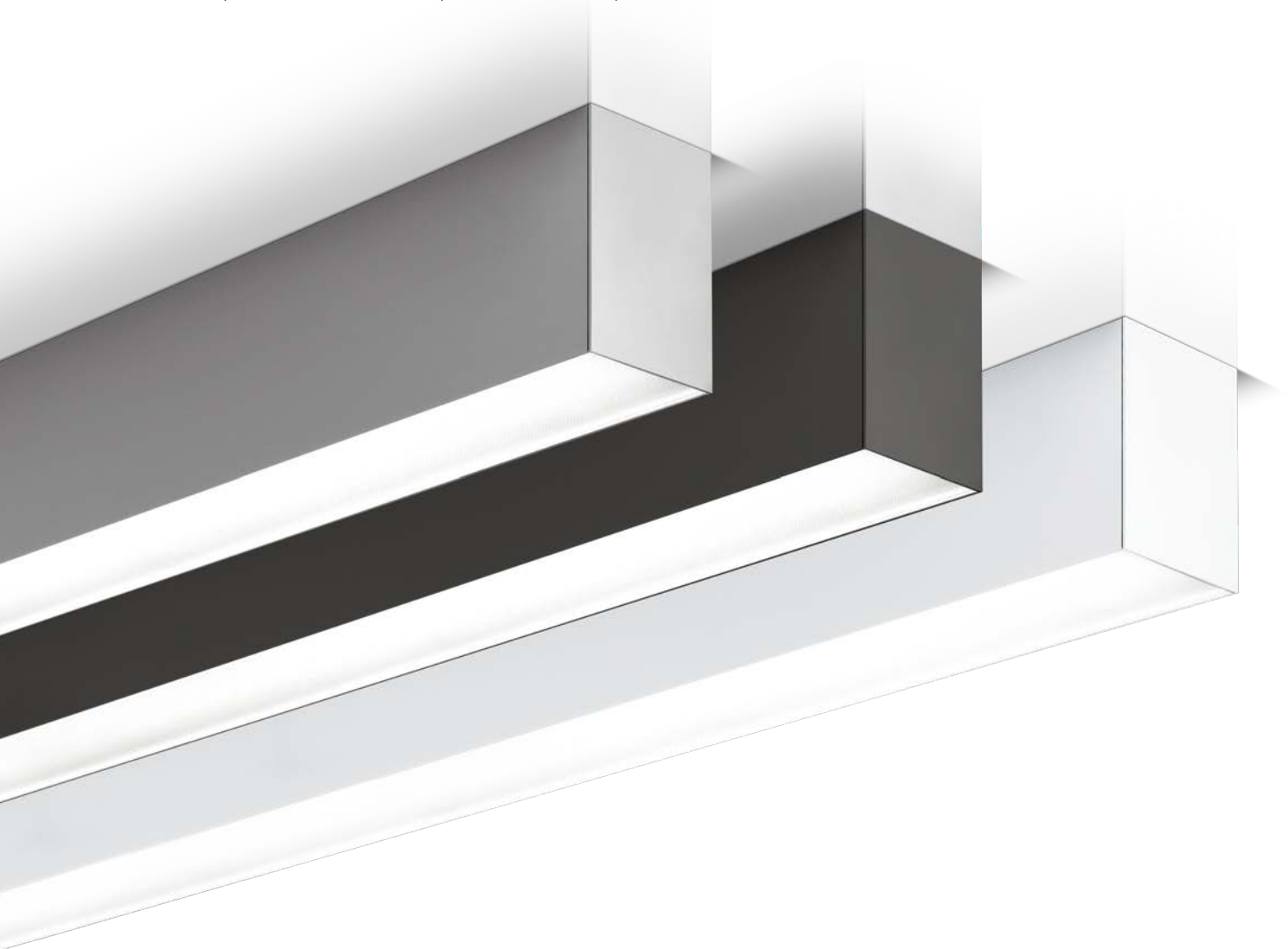
* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5 % luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

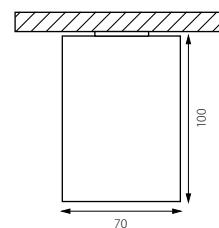
* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).

pure 2 IP54

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



satiné



A++ **A**

230V IP54 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 94 lm/W, up to 2706 lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: $RG \leq 1$

Lifetime up to L90/50.000h

Optic

direct

satiné

Options

RAL of your choice (p. 449)

Housing

powder coated

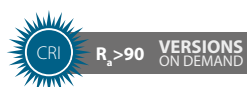
RAL 9006

RAL 9016

RAL 9005



INDOOR
USE ONLY!



1 Länge | Length | Longueur | Lunghezza

600 mm	060
880 mm	088
1160 mm	116
1440 mm	144
1720 mm	172
2280 mm	228
2840 mm	284
3400 mm	340
4520 mm	424

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Exemple | Esempio

600 mm, white, 4000 K, high output DALI, satiné

P58A060-9016Q1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
600 mm	1464 lm	800 lm
880 mm	2212 lm	1296 lm
1160 mm	2958 lm	2584 lm
1440 mm	3644 lm	1964 lm
1720 mm	4517 lm	2626 lm
2280 mm	6115 lm	3422 lm
2840 mm	7288 lm	3928 lm
3400 mm	9034 lm	5252 lm
4520 mm	12230 lm	9902 lm

System Power (W)

	high output	low output	dynamic white
600 mm	18 W	11 W	20 W
880 mm	26 W	16 W	29 W
1160 mm	34 W	20 W	36 W
1440 mm	44 W	24 W	43 W
1720 mm	51 W	28 W	51 W
2280 mm	67 W	36 W	68 W
2840 mm	84 W	48 W	86 W
3400 mm	101 W	56 W	102 W
4520 mm	135 W	73 W	136 W

Weight (kg)

600 mm	2,3 kg
880 mm	3,2 kg
1160 mm	4,0 kg
1440 mm	5,3 kg
1720 mm	6,1 kg
2280 mm	7,8 kg
2840 mm	10,4 kg
3400 mm	12,7 kg
4520 mm	15,6 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
1440 mm	3541 lm	1905 lm	3644 lm	1964 lm	2974 lm





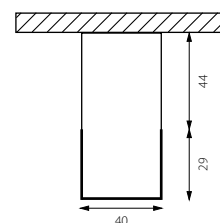
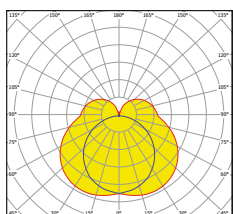
Volksbank Landeck/ Austria



Landkreis Erlangen / Germany

p.mini & p.mirror

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



A++ **A**

230V IP20 IP44 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K

up to 113 lm/W, up to 2011 lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L80/50.000h

Optic

direct

satiné U

Options

RAL of your choice (p. 449)

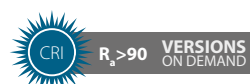
Housing

powder coated, anodised

A6C0

RAL 9016

RAL 9005



1 Länge | Length | Longueur | Lunghezza

p.mini IP20		p.mirror IP44	
580 mm	058	600 mm	060
860 mm	086	900 mm	090
1140 mm	114	1200 mm	120
1420 mm	142	1500 mm	150

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

aluminium anodised	A6C0
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 p.mini	C
IP44 p.mirror	P

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

5 Output

low output non-dim	L1
low output DALI	L3

Beispiel | Example | Exemple | Esempio

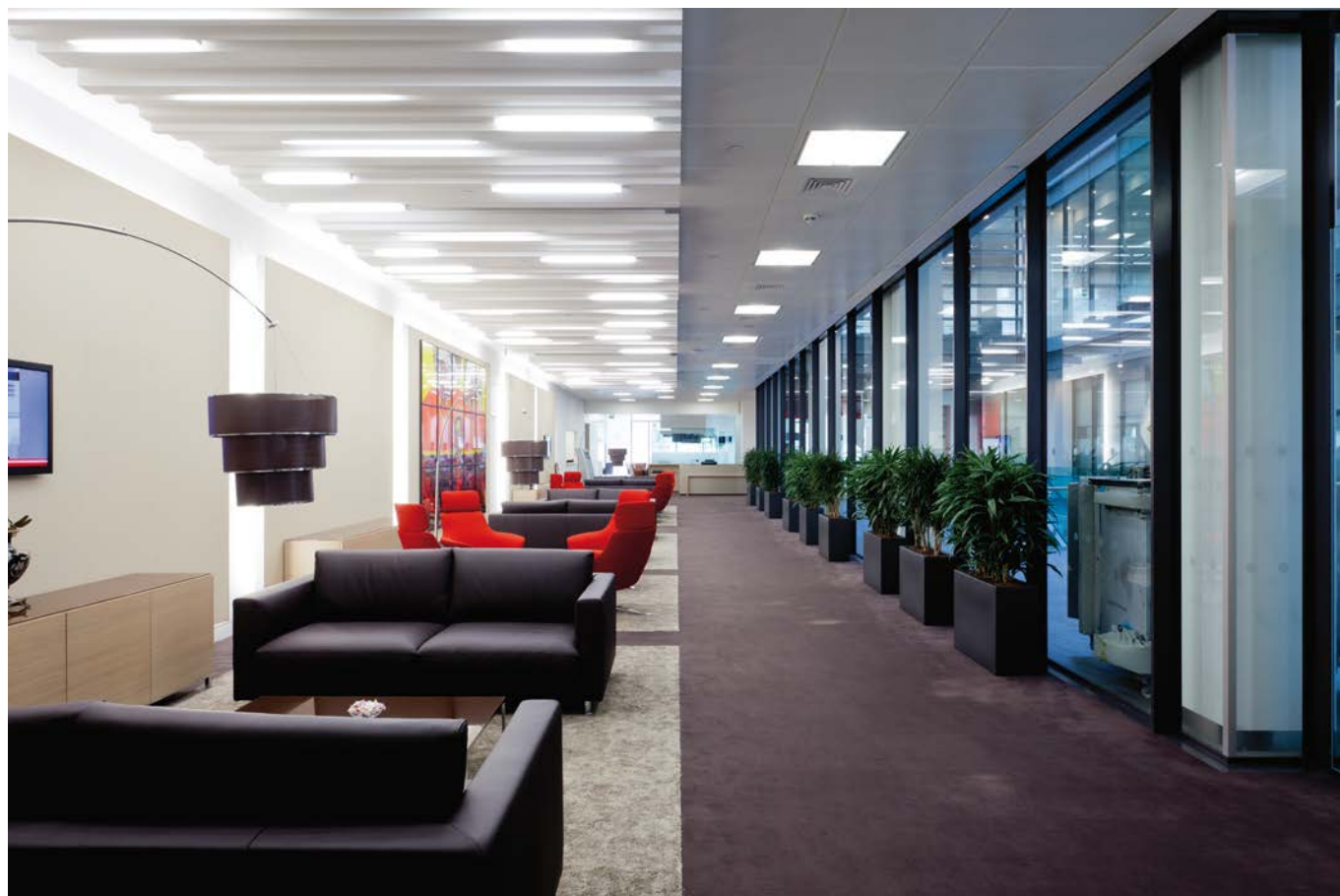
p.mirror 600 mm, white, IP44, 4000 K, low output DALI, satiné

P67A060-9016P1840L3U

Luminous Flux (lm)	3000 K	4000 K
580 / 600 mm	882 lm	928 lm
860 / 900 mm	1604 lm	1688 lm
1140 / 1200 mm	2139 lm	2252 lm
1420 / 1500 mm	2673 lm	2813 lm

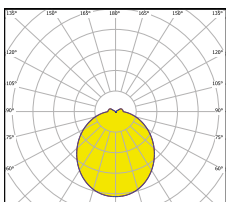
System Power (W)	
580 / 600 mm	12 W
860 / 900 mm	16 W
1140 / 1200 mm	21 W
1420 / 1500 mm	25 W

Weight (kg)	
580 / 600 mm	1,2 kg
860 / 900 mm	1,6 kg
1140 / 1200 mm	2,2 kg
1420 / 1500 mm	2,5 kg



halo

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



Diffusor 7 mm hoch für seitlichen Lichtaustritt.
Diffuser with a height of 7 mm to allow lateral light emission.
Diffusion latérale par le biais d'un diffuseur de 7 mm de haut.
Spessore del diffusore 7 mm per una emissione laterale.



Design: Nina Mair

A++ **A**

230V IP20 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI



LED

3000 K, 4000 K, dynamic white

up to 99 lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG0

Lifetime up to L80 / 50.000 h

Optic

direct

satiné

Options

RAL of your choice (p. 449)

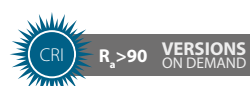
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

ø 760 mm	076
ø 1040 mm	104
ø 1220 mm	122
ø 1360 mm	136

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

Beispiel | Example | Esempio

ø 760 mm, white, 4000 K, high output DALI

R48A076-9016C1840H3S

Luminous Flux (lm)

	3000 K		4000 K	
	high output	low output	high output	low output
ø 760 mm	3710 lm	2356 lm	3837 lm	2437 lm
ø 1040 mm	4357 lm	3183 lm	4509 lm	3294 lm
ø 1220 mm	5591 lm	3870 lm	5786 lm	4005 lm
ø 1360 mm	6962 lm	4944 lm	7200 lm	5113 lm

Weight (kg)

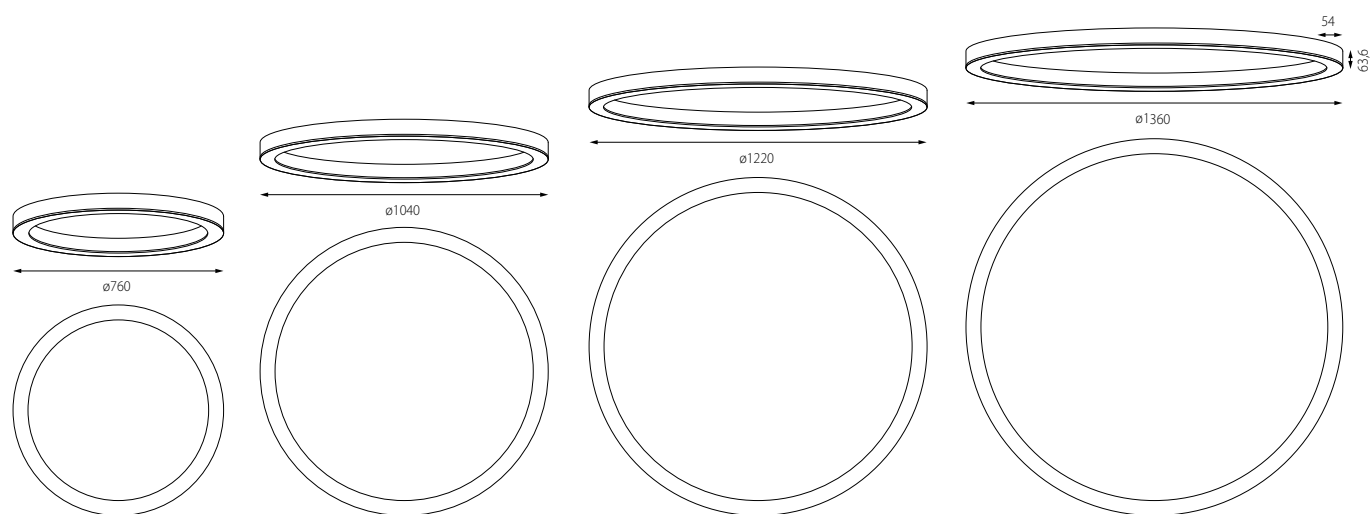
ø 760 mm	10,0 kg
ø 1040 mm	14,0 kg
ø 1220 mm	15,0 kg
ø 1360 mm	18,0 kg



Diese Daten gelten nur für eine Leuchte der Gehäusefarbe in RAL 9016, bei anderen Farben können die Daten abweichen.
 This data is valid only for luminaires in the color "RAL 9016", data may differ with other colors.
 Ces données sont valables pour un luminaire avec un boîtier en RAL 9016, il arrive que ces données varient si le RAL change.
 I dati sono validi per un apparecchio con profilo in RAL 9016, e possono variare con RAL differenti.

System Power (W)

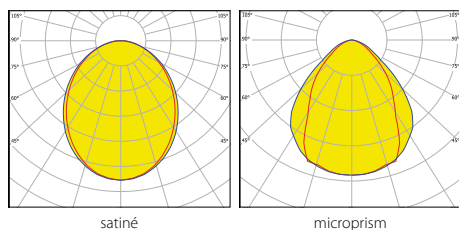
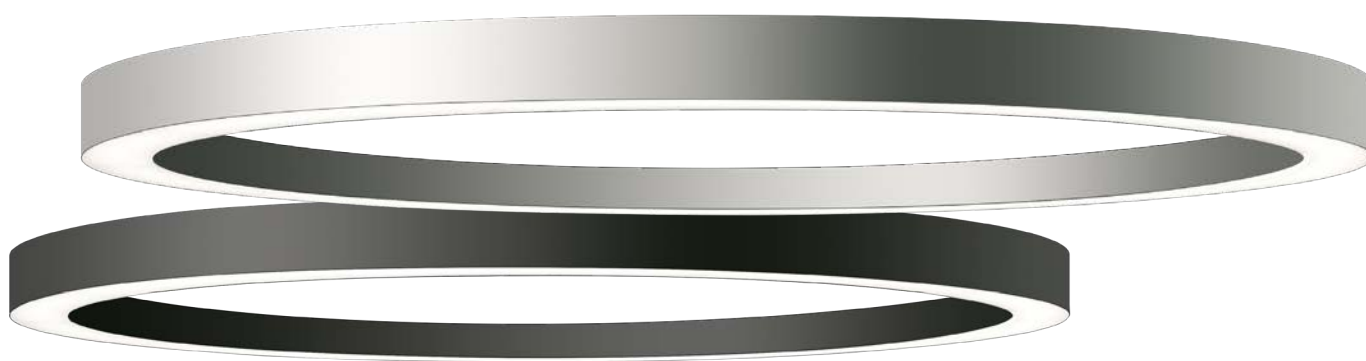
	high output	low output
ø 760 mm	41 W	26 W
ø 1040 mm	51 W	37 W
ø 1220 mm	62 W	42 W
ø 1360 mm	74 W	52 W







Volksbank Landeck / Austria



A++ **A**

230V IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 118 lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L90/50.000h

Optic

direct

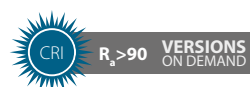
satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 1174 mm	117
ø 1530 mm	153
ø 2950 mm	295
ø 5790 mm	579

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 1174 mm, white, 4000 K, high output DALI, satiné

R33A117-9016E1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 1174 mm	8180 lm	4768 lm
ø 1530 mm	11068 lm	6388 lm
ø 2950 mm	22768 lm	12508 lm
ø 5790 mm	45536 lm	25016 lm

System Power (W)

	high output	low output	dynamic white
ø 1174 mm	83 W	51 W	90 W
ø 1530 mm	108 W	63 W	112 W
ø 2950 mm	213 W	116 W	215 W
ø 5790 mm	426 W	231 W	430 W

Weight (kg)

ø 1174 mm	17,8 kg
ø 1530 mm	23,2 kg
ø 2950 mm	32,2 kg
ø 5790 mm	63,1 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
ø 1530 mm	10748 lm	6208 lm	11068 lm	6388 lm	10095 lm

COMPARE COVER

Luminous Flux (lm)

	satiné		microprism*	
4000 K	high output	low output	high output	low output
ø 1530 mm	11068 lm	6388 lm	12116 lm	6928 lm

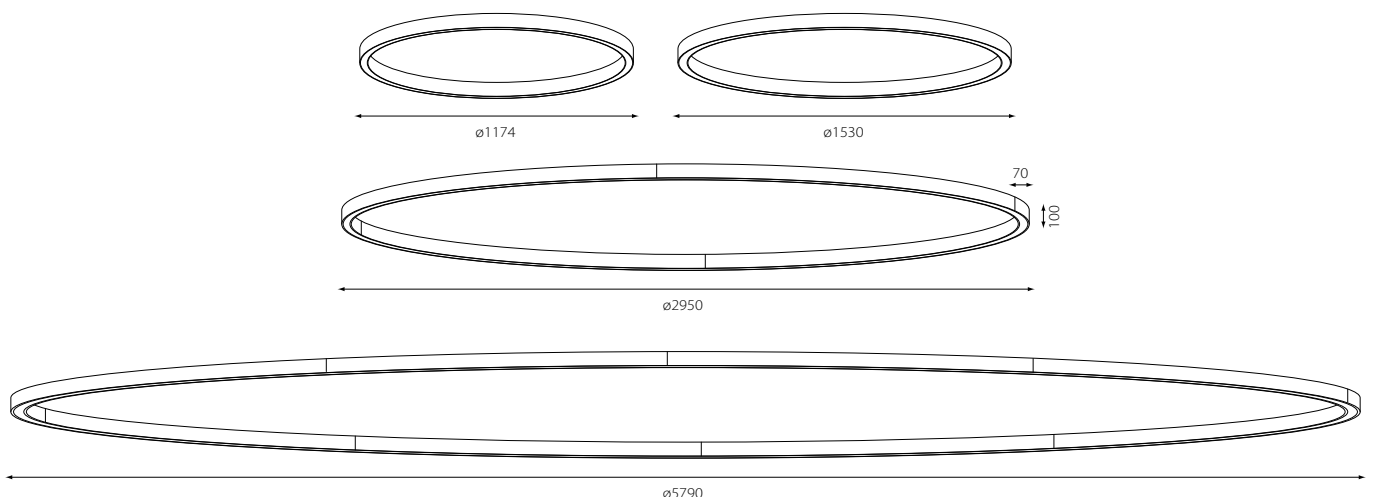


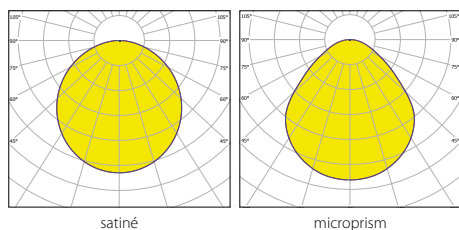
* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierte Folie zur Erhöhung der Homogenität geliefert (- 9,5 % Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).





A++ **A**

230V IP20 IP54 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 142lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)



Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Rod suspension (p. 232)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 330 mm	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20	C
IP54 (non Emergency lighting)	Q

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, IP54, 4000 K, high output DALI, satiné

F50A042-9016Q1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 330 mm	1934 lm	991 lm
ø 420 mm	3019 lm	1648 lm
ø 620 mm	6353 lm	3104 lm
ø 920 mm	12988 lm	6543 lm
ø 1220 mm	23507 lm	12223 lm

System Power (W)

	high output	low output	dynamic white
ø 330 mm	18,5 W	11 W	19,5 W
ø 420 mm	27 W	15 W	27 W
ø 620 mm	51 W	25 W	53 W
ø 920 mm	96 W	47 W	99 W
ø 1220 mm	172 W	86 W	182 W

Weight (kg)

ø 330 mm	4,3 kg
ø 420 mm	4,9 kg
ø 620 mm	9,7 kg
ø 920 mm	16,0 kg
ø 1220 mm	22,2 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

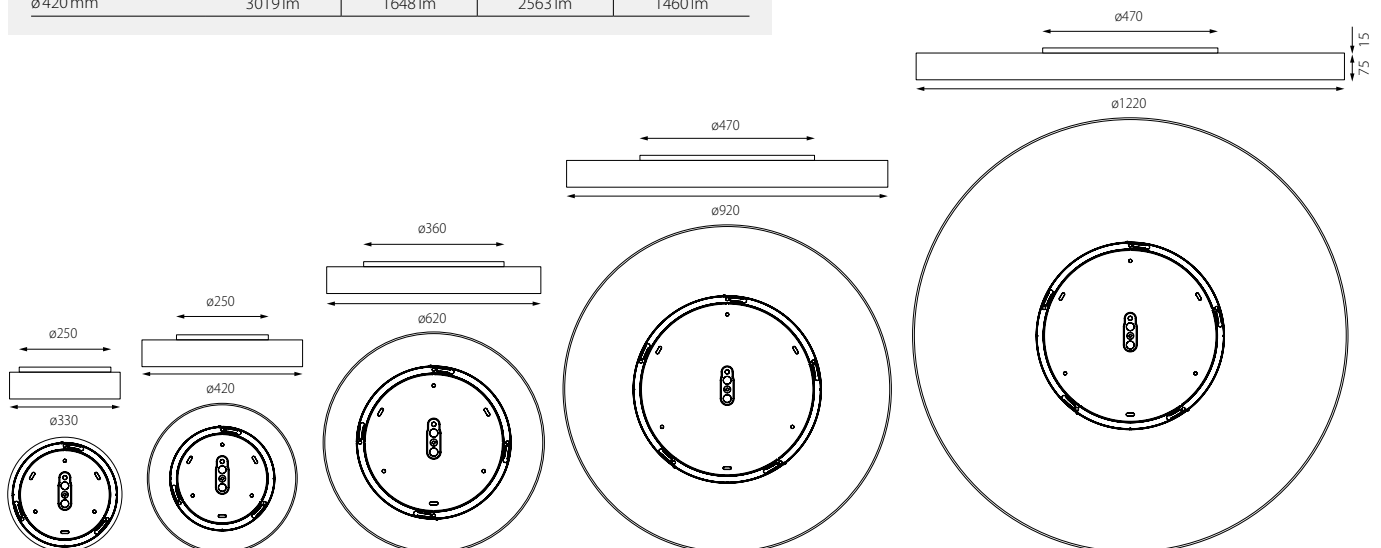
	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
ø 420 mm	2910 lm	1591 lm	3019 lm	1648 lm	2840 lm



COMPARE COVER

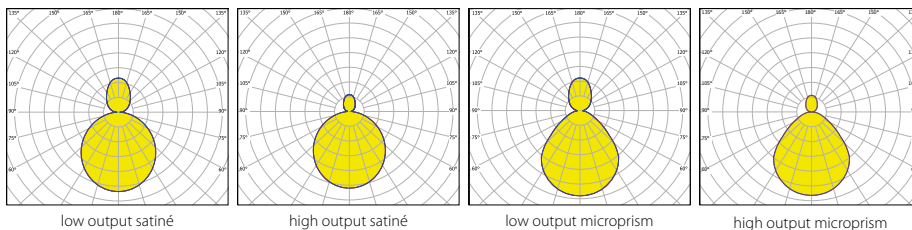
Luminous Flux (lm)

	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 420 mm	3019 lm	1648 lm	2563 lm	1460 lm



lili direct/indirect

Aufbauleuchte | Surface-mount luminaire | Luminaire en saillie | Apparecchio a plafone



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K

up to 139lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RGO

Lifetime up to L80/50.000h

Optic

direct/indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Rod suspension (p. 232)

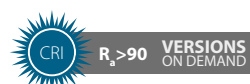
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, 4000 K, high output DALI, satiné

F50A042-9016C2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 420 mm	4160 lm	2782 lm
ø 620 mm	7525 lm	4325 lm
ø 920 mm	15141 lm	8799 lm
ø 1220 mm	25661 lm	14479 lm

System Power (W)

	high output	low output
ø 420 mm	38 W	25 W
ø 620 mm	62 W	36 W
ø 920 mm	116 W	65 W
ø 1220 mm	191 W	104 W

Weight (kg)

ø 420 mm	4,9 kg
ø 620 mm	9,7 kg
ø 920 mm	16,0 kg
ø 1220 mm	22,2 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K	
satiné	high output	low output	high output	low output
ø 420 mm	3941 lm	2615 lm	4160 lm	2782 lm

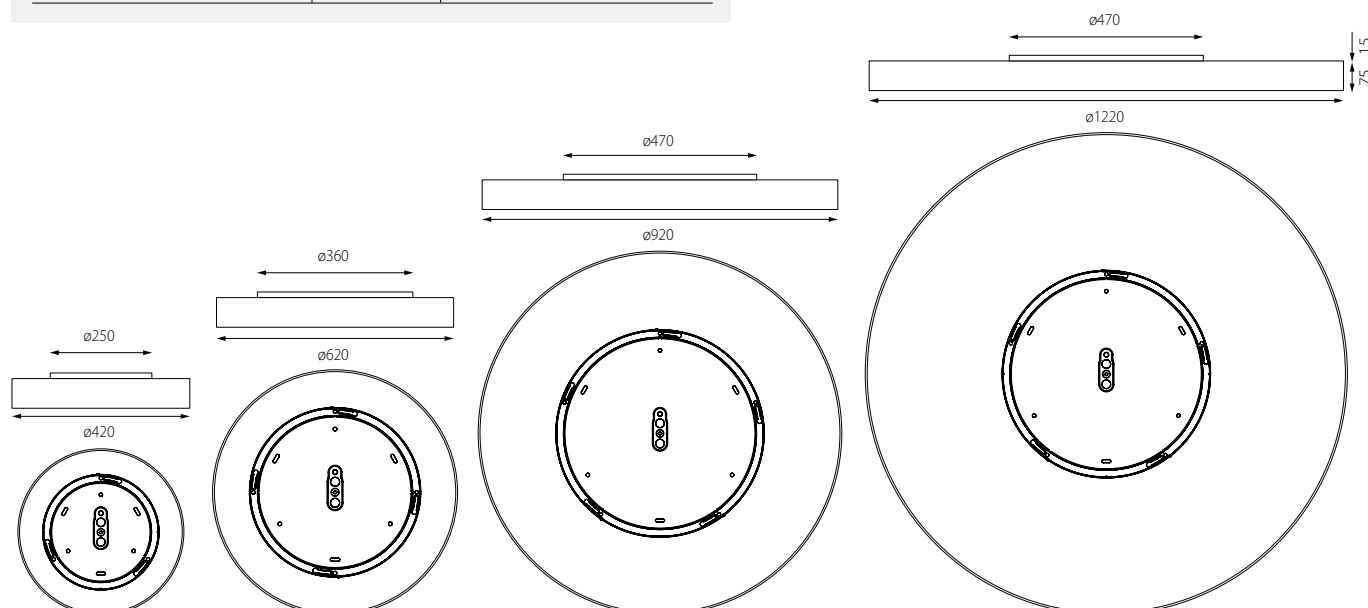


https://katalog.planlicht.com

COMPARE COVER

Luminous Flux (lm)

	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 420 mm	4160 lm	2782 lm	3726 lm	2594 lm

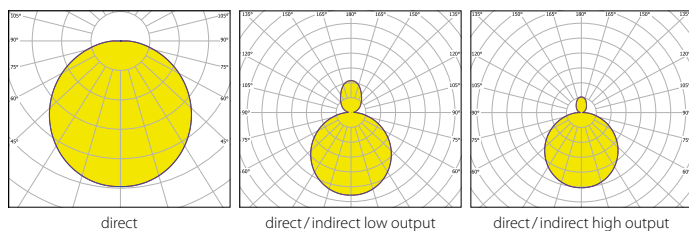




Hechenblaickner, Graz / Austria



Landkreis Erlangen / Germany



A++ **A**

230V IP20 IP54 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 144lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG0

Lifetime up to L80/50.000h

Optic

direct, direct / indirect

satiné

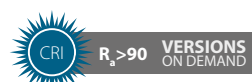


Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Rod suspension (p. 240)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 330 mm (direct only)	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20	C
IP54 (direct only)	Q

4 direct | direct / indirect

direct	1
direct / indirect	2

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white (direct only)	HCL

6 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white (direct only)	X3

Beispiel | Example | Esempio

ø 420 mm, white, IP54, 4000 K, high output DALI

F52A042-9016Q1840H3S

Luminous Flux (lm)

	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
ø 330 mm	2069 lm	1060 lm	-	-
ø 420 mm	3110 lm	1697 lm	4160 lm	2782 lm
ø 620 mm	6480 lm	3165 lm	7524 lm	4324 lm
ø 920 mm	13117 lm	6609 lm	15141 lm	8799 lm
ø 1220 mm	23743 lm	12346 lm	25661 lm	14478 lm

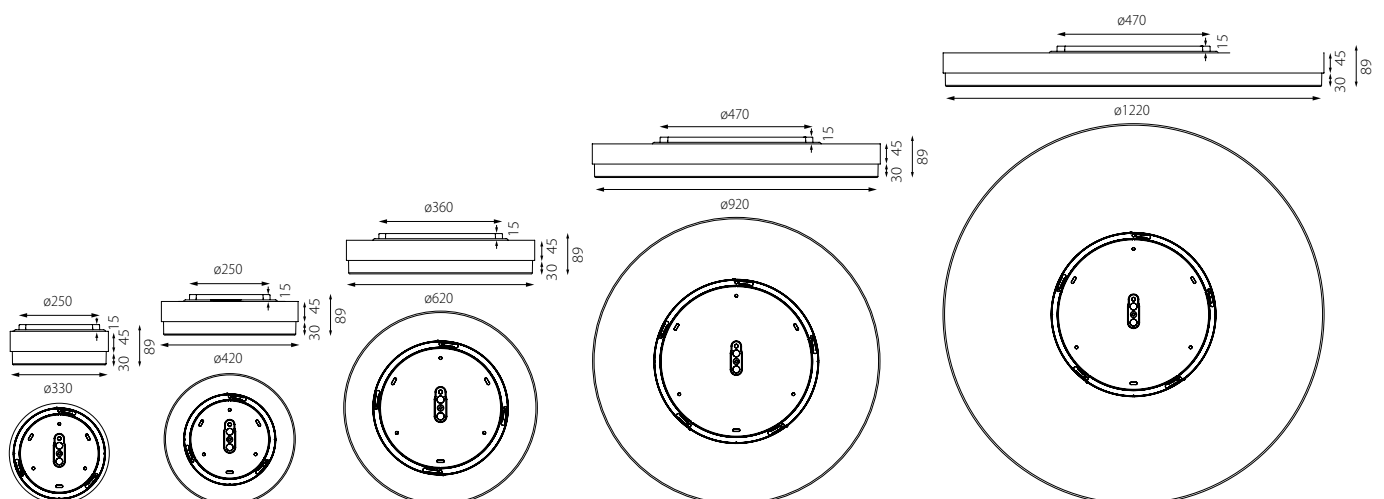
System Power (W)

	direct		direct / indirect	
	high output	low output	high output	low output
ø 330 mm	18,5 W	11 W	-	-
ø 420 mm	27 W	15 W	38 W	25 W
ø 620 mm	51 W	25 W	62 W	36 W
ø 920 mm	96 W	47 W	116 W	65 W
ø 1220 mm	172 W	86 W	191 W	104 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K direct		4000 K direct		dynamic white
	high output	low output	high output	low output	2700-6500 K
satiné					
ø 420 mm	29971 lm	1638 lm	3110 lm	1697 lm	2926 lm

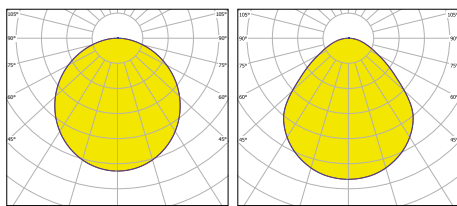
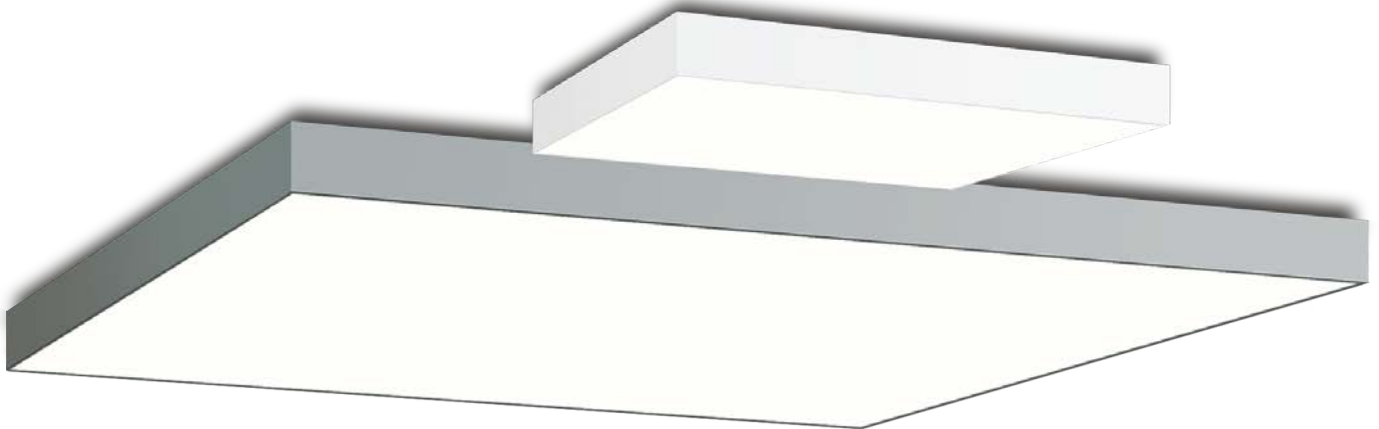






liha

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



satiné

microprism

A++ **A**

230V IP20 IP54 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 149lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

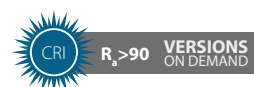


Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Rod suspension (p. 246)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

310×310 mm	03Q
450×450 mm	04Q
600×600 mm	06Q
900×900 mm (IP20 only)	09Q
1200×1200 mm (IP20 only)	12Q

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20	C
IP54 (no Emergency lighting)	Q

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

450×450 mm, white, IP54, 4000 K, high output DALI, satiné

F51A04Q-9016Q1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
310×310 mm	2378 lm	1394 lm
450×450 mm	4457 lm	2697 lm
600×600 mm	9257 lm	4771 lm
900×900 mm	18079 lm	9416 lm
1200×1200 mm	30542 lm	15263 lm

System Power (W)

	high output	low output	dynamic white
310×310 mm	21 W	12 W	21 W
450×450 mm	35 W	20 W	35 W
600×600 mm	66 W	33 W	66 W
900×900 mm	124 W	63 W	124 W
1200×1200 mm	221 W	106 W	221 W

Weight (kg)

310×310 mm	4,6 kg
450×450 mm	6,1 kg
600×600 mm	11,1 kg
900×900 mm	17,7 kg
1200×1200 mm	25,1 kg

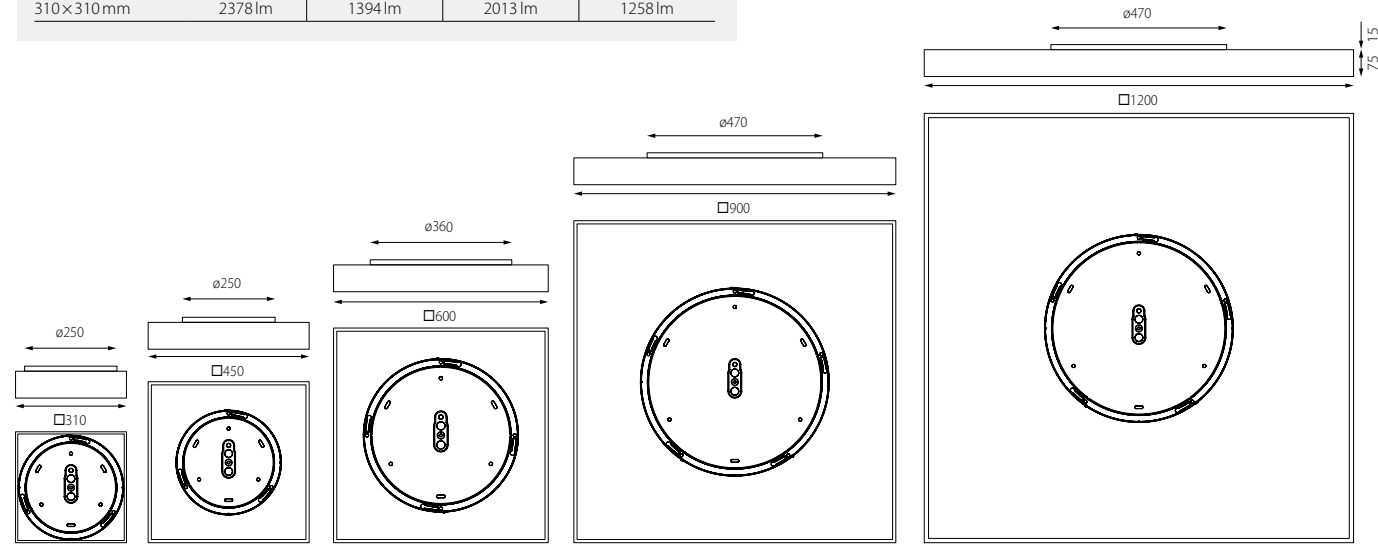
COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
310×310 mm	2236 lm	1311 lm	2378 lm	1394 lm	2097 lm



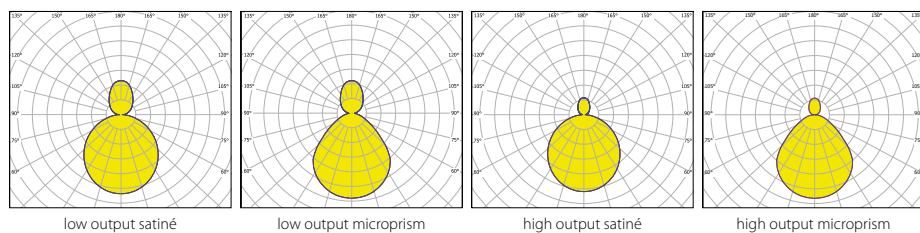
COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
310×310 mm	2378 lm	1394 lm	2013 lm	1258 lm



liha direct/indirect

Aufbauleuchte | Surface-mount luminaire | Luminaires en saillie | Apparecchio a plafone



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K

up to 142lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RGO

Lifetime up to L80/50.000h

Optic

direct/indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Rod suspension (p. 246)

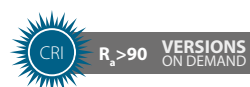
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

450 × 450 mm	04Q
600 × 600 mm	06Q
900 × 900 mm	09Q
1200 × 1200 mm	12Q

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

450 × 450 mm, white, 4000 K, high output DALI, satiné

F51A04Q-9016C2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
450 × 450 mm	5597 lm	3832 lm
600 × 600 mm	10427 lm	5992 lm
900 × 900 mm	20232 lm	11670 lm
1200 × 1200 mm	32691 lm	17518 lm

System Power (W)

	high output	low output
450 × 450 mm	45 W	30 W
600 × 600 mm	77 W	44 W
900 × 900 mm	144 W	82 W
1200 × 1200 mm	240 W	124 W

Weight (kg)

450 × 450 mm	6,1 kg
600 × 600 mm	11,1 kg
900 × 900 mm	17,7 kg
1200 × 1200 mm	25,1 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

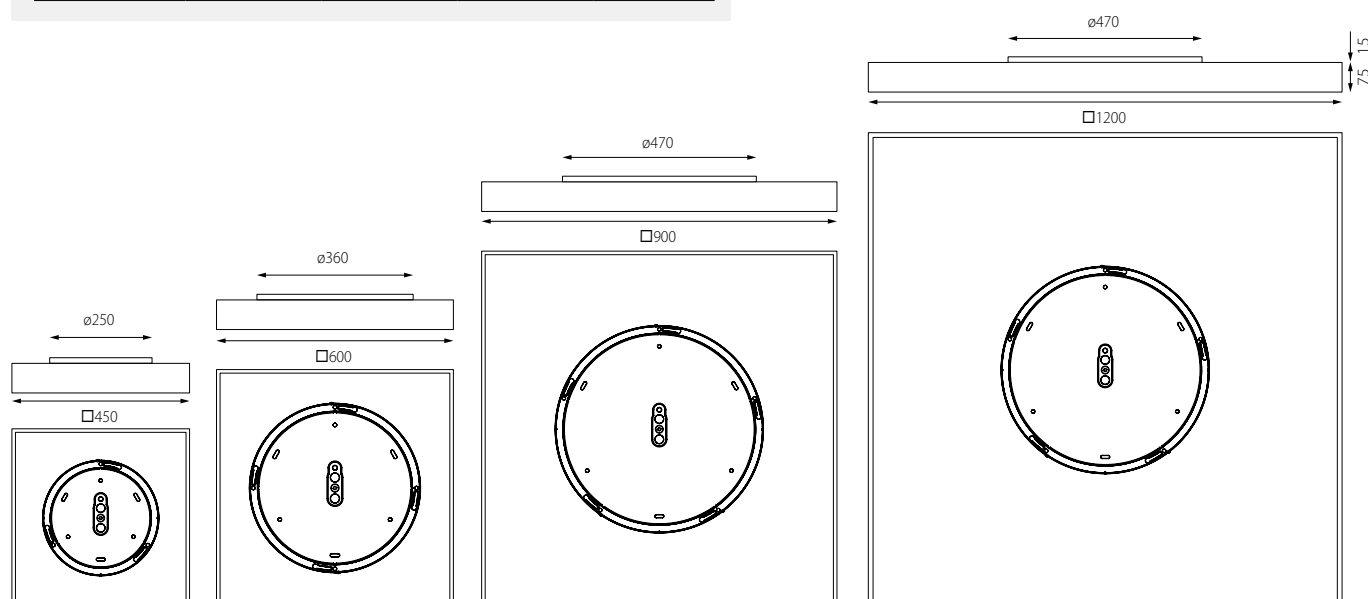
	3000 K		4000 K	
satiné	high output	low output	high output	low output
450 × 450 mm	5219 lm	3560 lm	5597 lm	3832 lm



COMPARE COVER

Luminous Flux (lm)

	satiné		microprism	
4000 K	high output	low output	high output	low output
450 × 450 mm	5597 lm	3832 lm	4933 lm	3557 lm







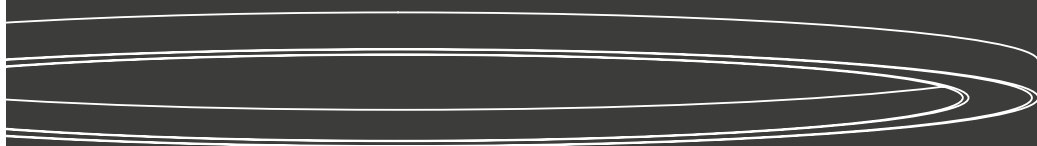
Bildungscampus Heilbronn / Germany



sqing
p. 214



halo
p. 216



sinus
p. 220



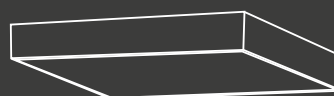
sinus quiet
p. 224



lili
p. 228



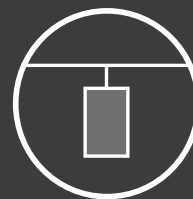
lilibet
p. 238



liha
p. 242

PENDANT

HÄNGELEUCHTEN | SUSPENSIONS | SOSPENSIONE



quadro
p. 182

quadro quiet
p. 188

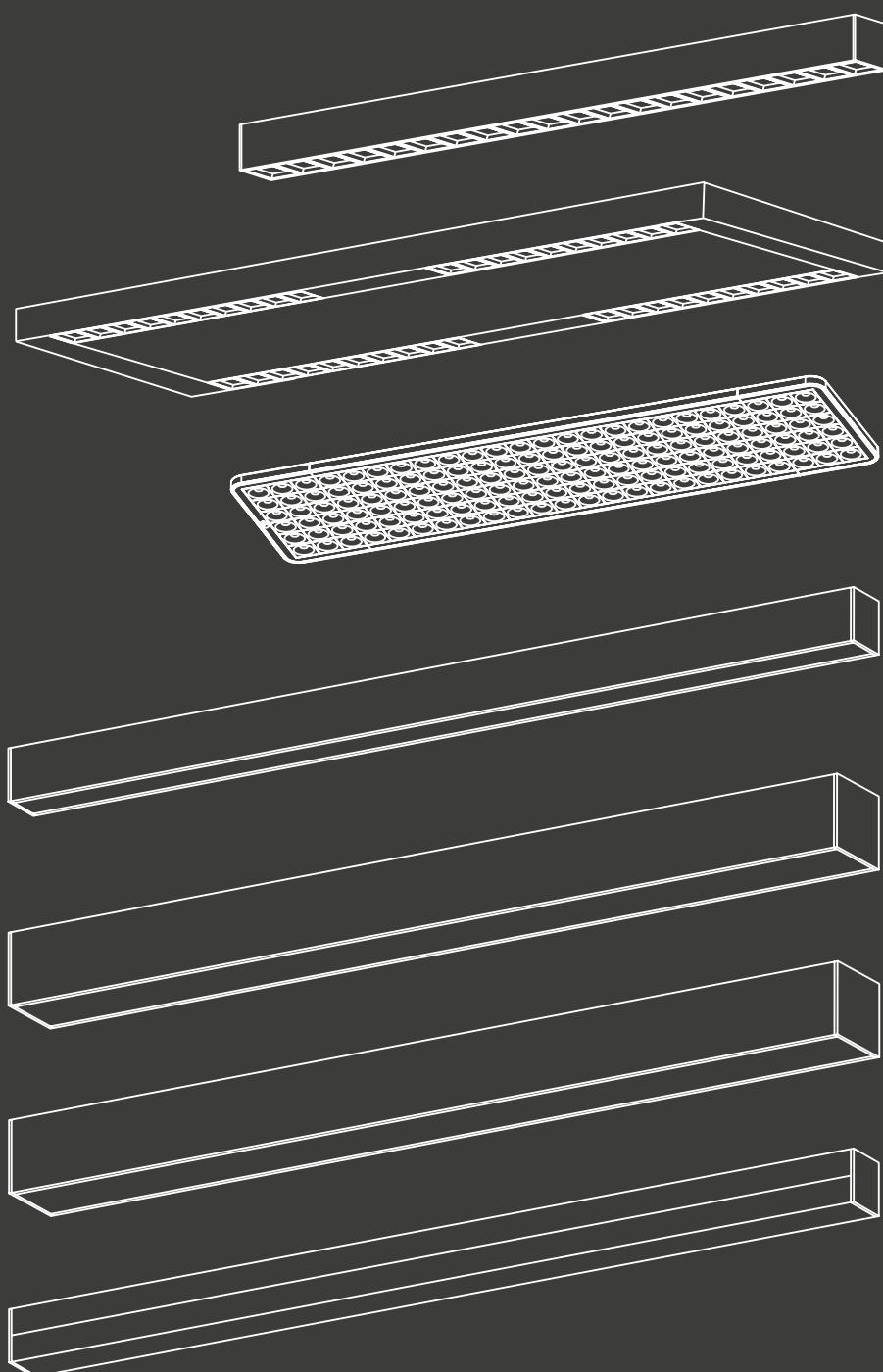
skai
p. 194

p.forty
p. 198

pure 3
p. 202

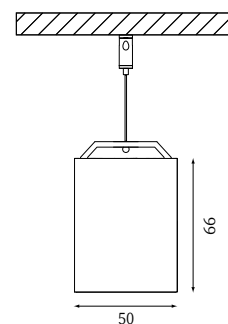
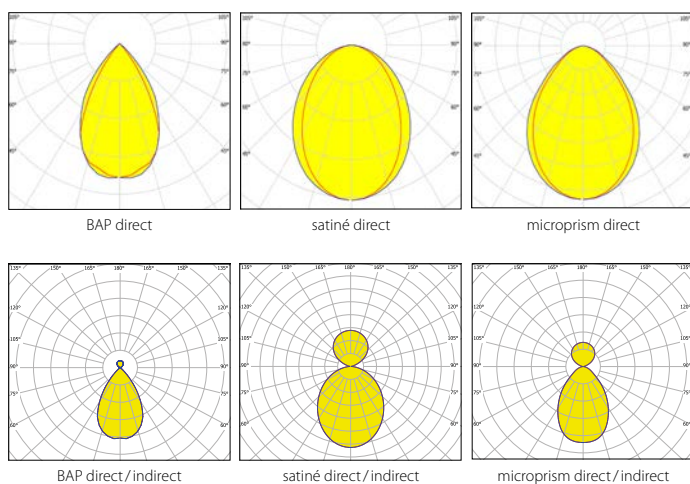
pure 2 IP54
p. 210

p.mini
p. 212



quadro

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



Design: Roland Karrer

A++ **A**

230V IP20 $R_a > 80$ UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 128lm/W, up to 4910lm/m
 $R_a > 80$, UGR < 16, MacAdam 3
non-dim/DALI
IEC 62471: Blue light hazard: RG≤1
Lifetime up to L80/50.000h

Optic

direct/indirect
satiné
microprism for reduced brightness (LRA)
BAP louvre

Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
BAP louvre colours (p. 190)
RAL of your choice (p. 449)
7 cable colours



Housing

powder coated
RAL 9006
RAL 9016
RAL 9005

1 Länge | Length | Longueur | Lunghezza

BAP		BAP Sensor		satiné / microprism		microprism Sensor	
1124 mm	112	1149 mm	114	1130 mm	113	1155 mm	115
1404 mm	140	1429 mm	142	1410 mm	141	1435 mm	143
1684 mm	168			1690 mm	169		
2244 mm	224			2250 mm	225		
2804 mm	280			2810 mm	281		
3364 mm	336			3370 mm	337		

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

	non Sensor	with Sensor
low output	L1	-
high output DALI	H3	H7
dynamic white	X3	X7

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné *	S	BAP white (RAL 9016) *	W
microprism *	M	BAP black (RAL 9005)	N
BAP high-gloss silver	B	BAP glaring gold	D
BAP silver matte	P	BAP capital copper	R
BAP high-gloss gold	G	BAP gunnery grey	Y
BAP high-gloss copper	K	BAP black chrome matte	C
BAP louvre colours (p. 190)			

* Versions UGR > 19: satiné, microprism, BAP white

Beispiel | Example | Esempio | Esempio

1124 mm, white, direct, 4000 K, high output DALI, BAP silver matte

T65H112-9016C1840H3P

Luminous Flux (lm)

	direct		direct / indirect	
4000 K BAP silver matte	high output	low output	high output	low output
1124 mm	4201 lm	2227 lm	5307 lm	2796 lm
1404 mm	5252 lm	2784 lm	6658 lm	3513 lm
1684 mm	6302 lm	3340 lm	8013 lm	4179 lm
2244 mm	8402 lm	4453 lm	10618 lm	5568 lm
2804 mm	10503 lm	5567 lm	13316 lm	6990 lm
3364 mm	12604 lm	6680 lm	15921 lm	8364 lm

Weight (kg)

1124 mm	2,9 kg
1404 mm	3,3 kg
1684 mm	4,5 kg
2244 mm	6,2 kg
2804 mm	7,5 kg
3364 mm	9,5 kg

System Power (W)

	direct			direct / indirect		
BAP silver matte	high output	low output	dynamic white	high output	low output	dynamic white
1124 mm	40 W	20 W	42 W	46 W	23 W	48 W
1404 mm	50 W	25 W	52 W	58 W	29 W	61 W
1684 mm	60 W	30 W	62 W	69 W	35 W	73 W
2244 mm	79 W	40 W	83 W	92 W	46 W	97 W
2804 mm	99 W	50 W	104 W	115 W	58 W	121 W
3364 mm	119 W	60 W	125 W	138 W	69 W	145 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
BAP silver matte	high output	low output	high output	low output	2700 - 6500 K
1404 mm direct	5099 lm	2702 lm	5252 lm	2784 lm	4640 lm
1404 mm direct / indirect	6458 lm	3407 lm	6658 lm	3513 lm	5861 lm



COMPARE COVER

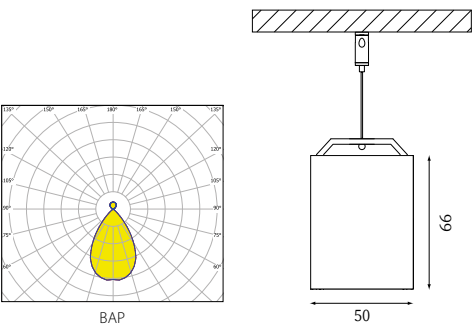
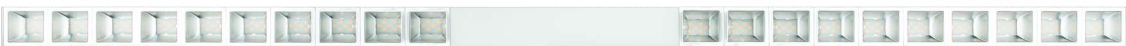
Luminous Flux (lm)

	satiné		microprism		high - gloss silver		silver matte		high - gloss gold		high - gloss copper	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1404 mm direct	3811 lm	2264 lm	3556 lm	2241 lm	5414 lm	2870 lm	5252 lm	2784 lm	5089 lm	2697 lm	4965 lm	2631 lm
1404 mm di / id	5573 lm	3423 lm	5534 lm	3397 lm	6871 lm	3625 lm	6658 lm	3513 lm	6640 lm	3486 lm	6515 lm	3421 lm

	BAP white		BAP black		glaring gold		capital copper		gunnery grey		black chrome matte	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1404 mm direct	4842 lm	2567 lm	2978 lm	1578 lm	3309 lm	1754 lm	3143 lm	1666 lm	3391 lm	1797 lm	3909 lm	2072 lm
1404 mm di / id	6303 lm	3309 lm	4221 lm	2216 lm	4642 lm	2437 lm	4433 lm	2327 lm	4794 lm	2517 lm	5501 lm	2888 lm

quadro OFFICEspecial

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



quadro OFFICEspecial - BAP louvre silver matte

T65H14X-9016C2840H3P	1404 mm	5506 lm	49W	3,3 kg
T65H16X-9016C2840H3P	1684 mm	5766 lm	51 W	4,5 kg
T65H33X-9016C2840H3P	3364 mm	11533 lm	102W	9,5 kg

Design: Roland Karrer



230V IP20 $R_a > 80$ UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



LED

4000K
up to 113 lm/W, up to 3922 lm/m
 $R_a > 80$, UGR < 16, MacAdam 3
DALI
IEC 62471: Blue light hazard: RG ≤ 1
Lifetime up to L80/50.000h

Optic

direct/indirect
BAP louvre

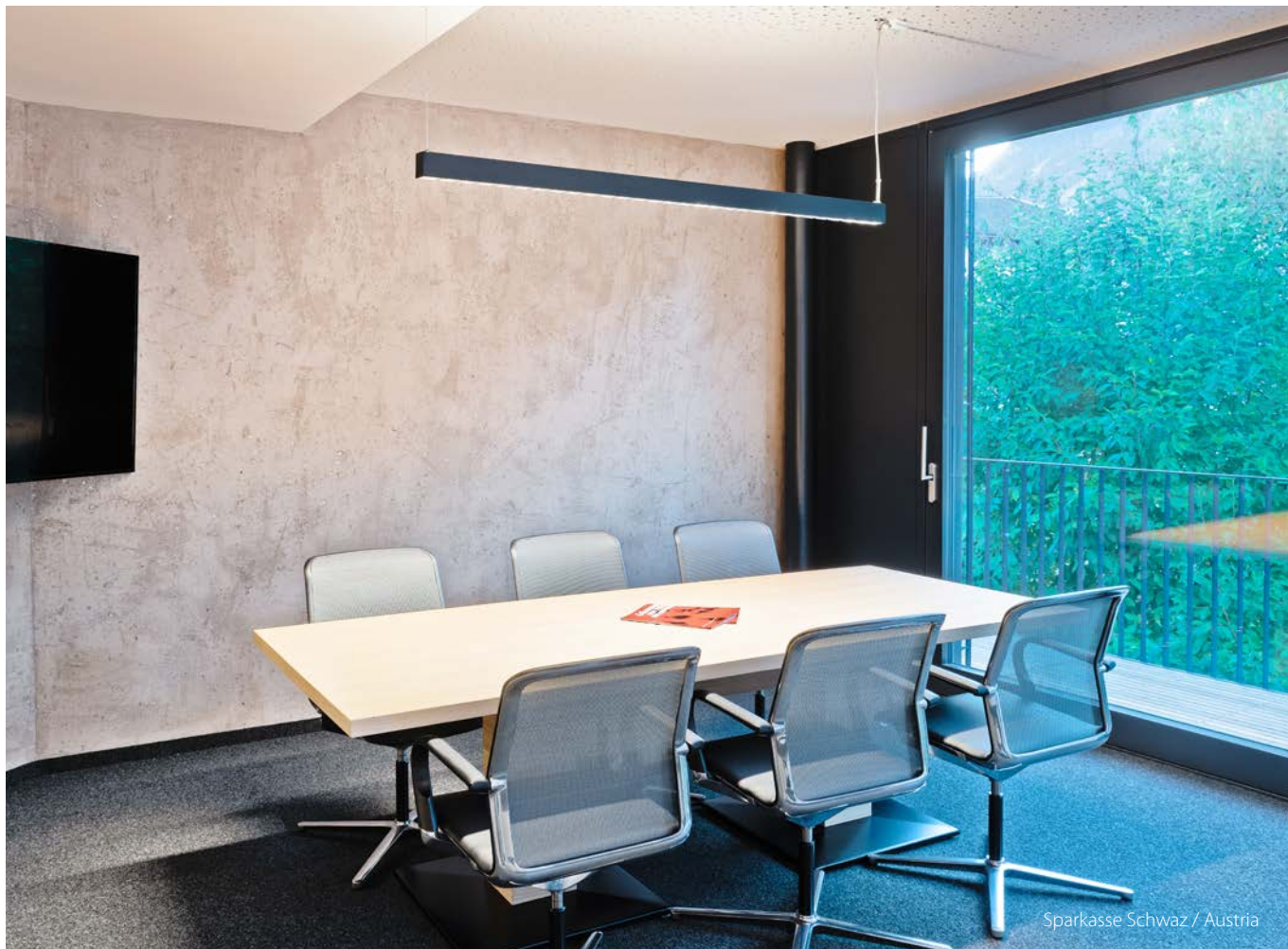
Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
3000K, dynamic white
BAP louvre colours (p. 190)
RAL of your choice (p. 449)
7 cable colours

Housing

powder coated
RAL 9016





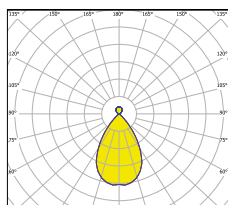




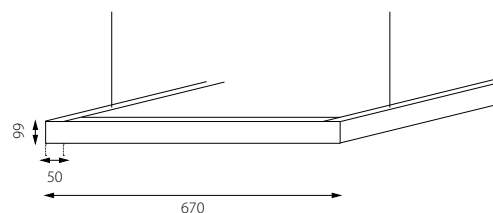
New Wave / Austria

quadro quiet

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



BAP



A++ **A**

230V IP20 $R_a > 80$ UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 113 lm/W, up to 3922 lm/m
 $R_a > 80$, UGR < 16, MacAdam 3
non-dim/DALI
IEC 62471: Blue light hazard: RG 0
Lifetime up to L80/50.000h

Optic

direct/indirect
BAP louvre
Acoustic panel
ISO 11654: Class A, $\alpha_w = 1,00$
EN 13501-1: B-s2,d0



Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
10 BAP louvre colours (p. 190)
7 cable colours
4 Organoid® & 7 felt sound absorbers
RAL of your choice (p. 449)

Housing

powder coated
RAL 9006 
RAL 9016 
RAL 9005 

1 Länge | Length | Longueur | Lunghezza

1498 mm	149
1778 mm	177
3458 mm	345

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange	QA
QUIET.FELT standard pebble	QP
QUIET.FELT standard lime	QL
QUIET.FELT extra + black *	QB
QUIET.FELT extra + fire *	QF
QUIET.FELT extra + light grey melange *	QG
QUIET.FELT extra + chocolate *	QC
Organoid® Mous *	QM
Organoid® Wollä *	QW
Organoid® Wildspitze *	QH

* QUIET.FELT extra + & Organoid® on demand

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	SI
weiß white blanc bianco (RAL 9016)	WS
schwarz black noir nero (RAL 9005)	SW
RAL colours on request (p. 449)	

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

	non Sensor	with Sensor
low output non-dim	L1	-
low output DALI	L3	L7
high output DALI	H3	H7
dynamic white	X3	X7

6 BAP louvre colours

BAP high-gloss silver	B	BAP black (RAL 9005)	N
BAP silver matte	P	BAP glaring gold	D
BAP high-gloss gold	G	BAP capital copper	R
BAP high-gloss copper	K	BAP gunnery grey	Y
BAP white (RAL 9016) *	W	BAP black chrome matte	C

BAP louvre colours (p. 190)

* Versions UGR > 19: BAP white high output

Beispiel | Example | Esempio | Esemplio

1778 mm, lime acoustic module, black, 4000 K, high output DALI, BAP gunnery grey
T65H177-QLSWC2840H3Y

Luminous Flux (lm)

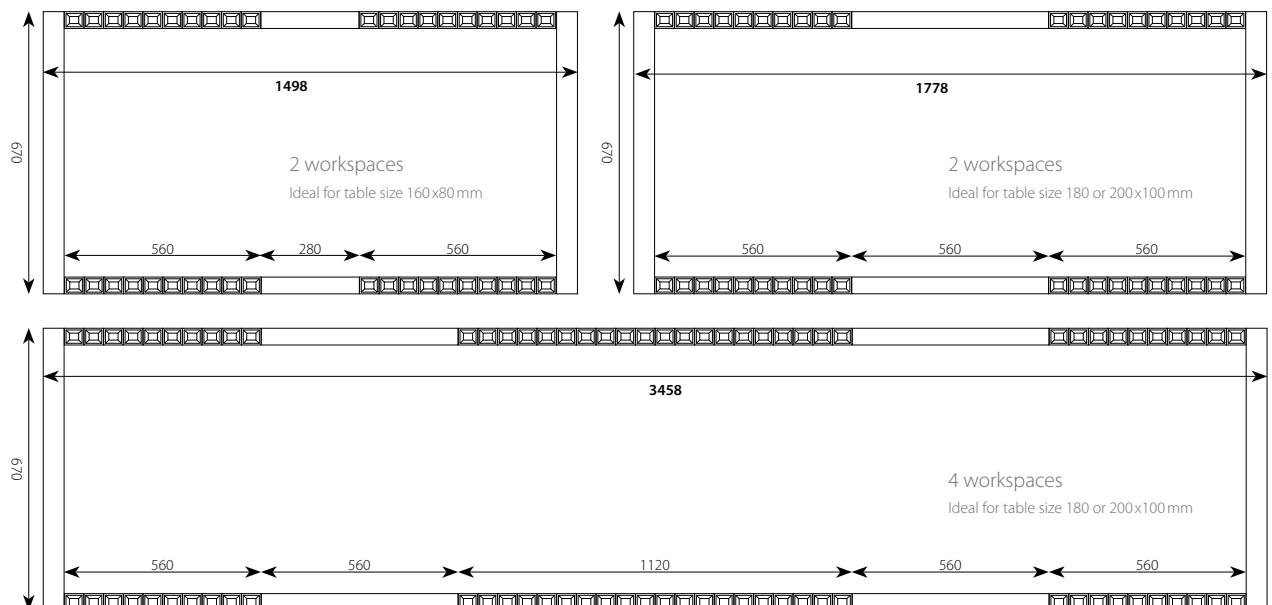
4000 K BAP silver matte	high output	low output
1498 mm	2x5505 lm	2x3036 lm
1778 mm	2x5766 lm	2x3197 lm
3458 mm	2x11533 lm	2x6394 lm

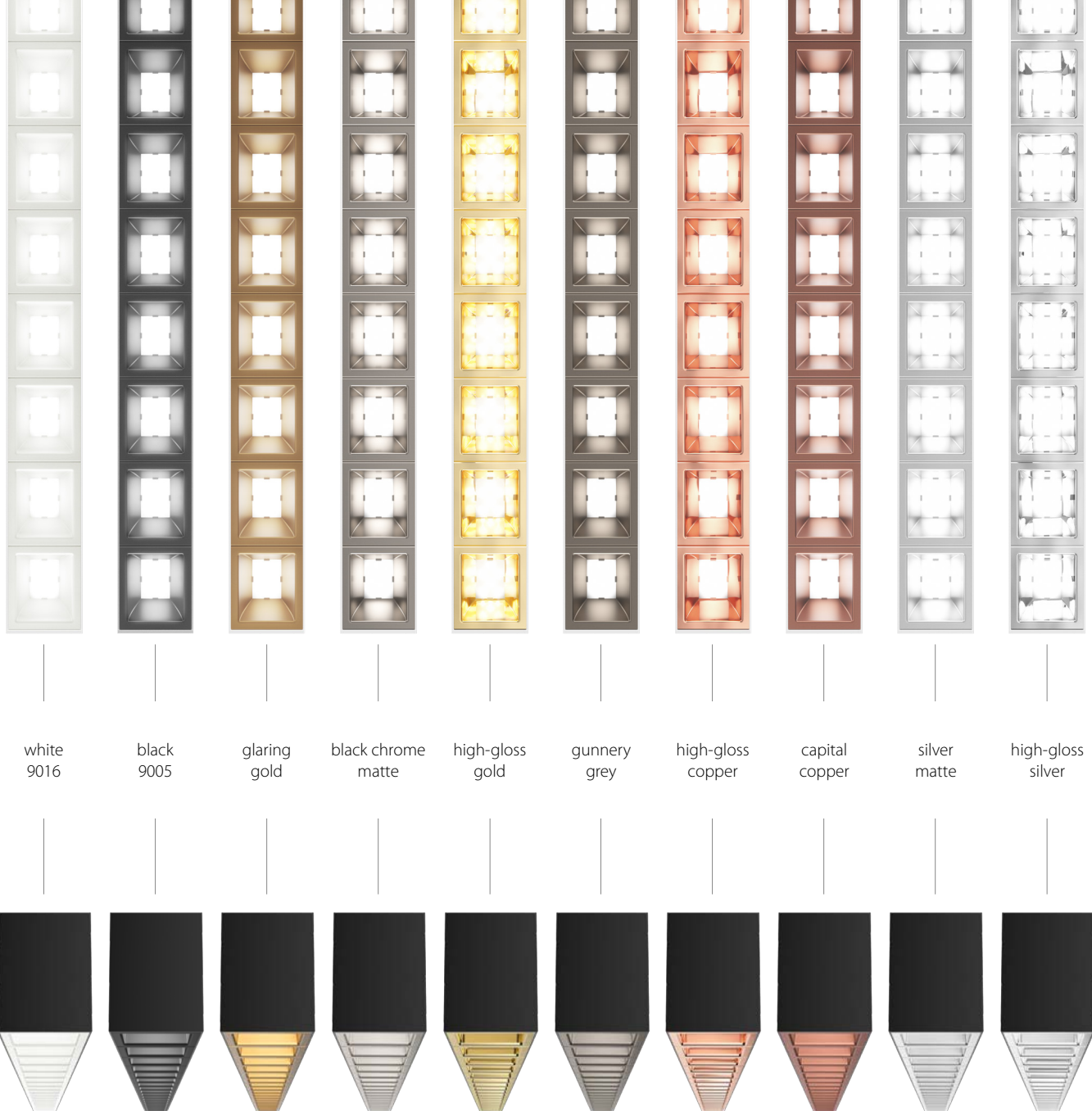
System Power (W)

BAP silver matte	high output	low output	dynamic white
1498 mm	2x49 W	2x25 W	2x52 W
1778 mm	2x51 W	2x26 W	2x54 W
3458 mm	2x102 W	2x51 W	2x107 W

Weight (kg)

	QUIET.FELT
1498 mm	16 kg
1778 mm	17 kg
3458 mm	31 kg





GOOD to know

Rectangular quiet luminaires can also be ordered in customized sizes.
On request also versions with pure 3 or p.forty are possible.

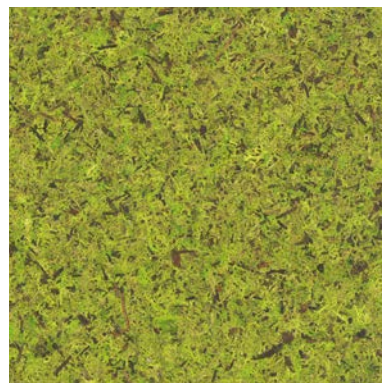
ORGANOID[®]



WILDSPITZE
[vɪltʃpɪtsə]



WOLLÄ
[ˈvɔlə]



MOUS
[ˈməʊz]

FELT.QUIET

STANDARD



ANTHRACITE MELANGE

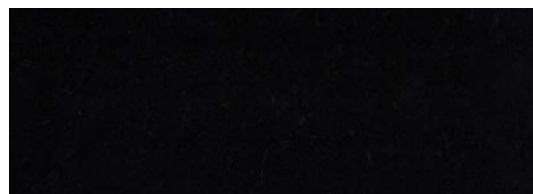


LIME

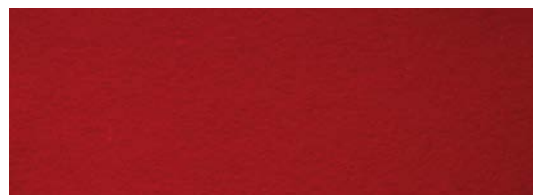


PEBBLE | KIESEL

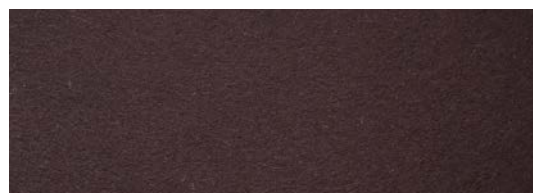
EXTRA +



BLACK



FIRE



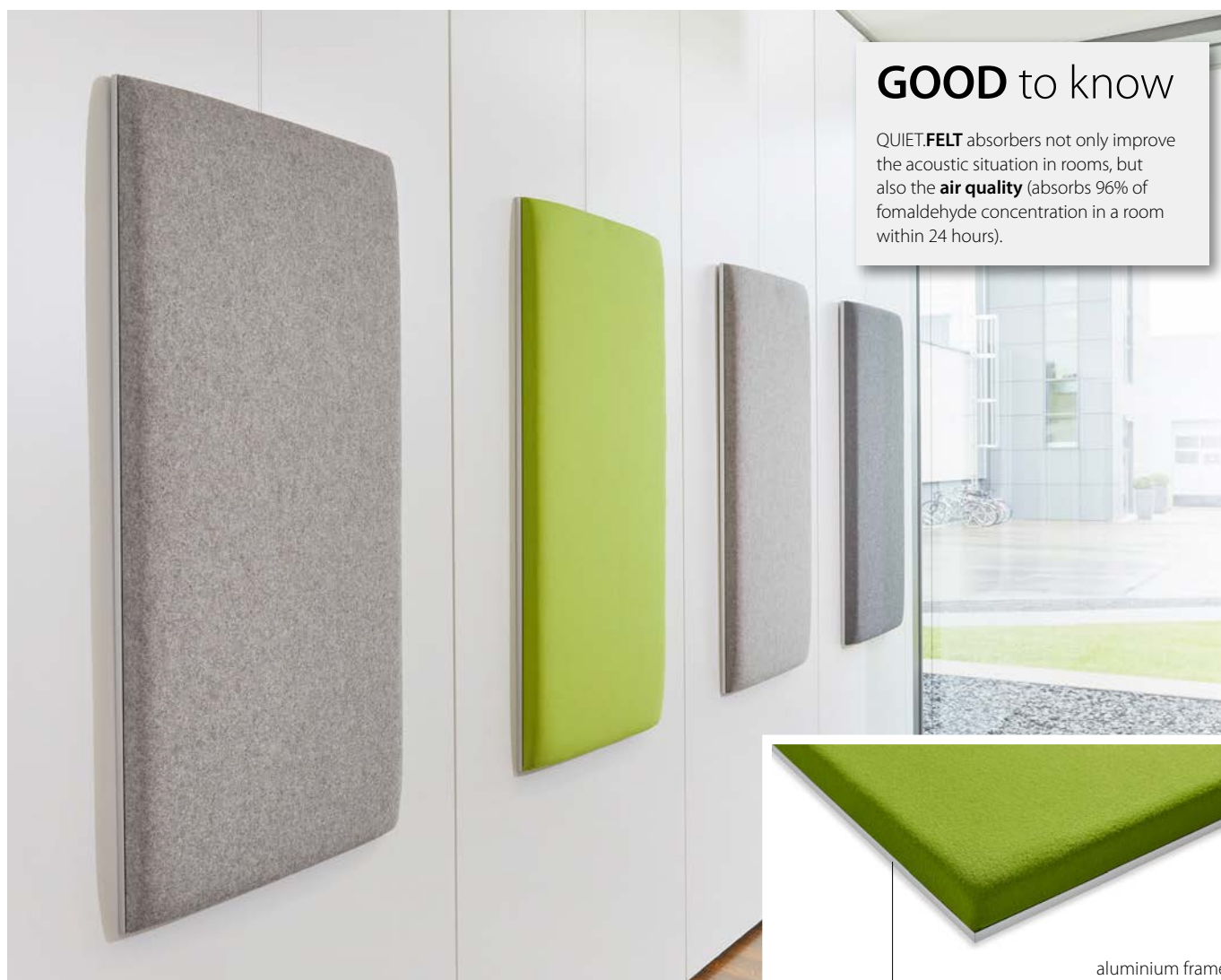
CHOCOLATE



LIGHT GREY MELANGE

felt

Akustikpaneel | Acoustic panel | Panneau acoustique | Elementi fonoassorbenti



GOOD to know

QUIET.FELT absorbers not only improve the acoustic situation in rooms, but also the **air quality** (absorbs 96% of formaldehyde concentration in a room within 24 hours).



aluminium frame

1 Länge | Length | Longueur | Lunghezza

600x600 mm

06Q

600x1200 mm

120

Beispiel | Example | Exemple | Esempio

600x1200 mm, anthracite melange acoustic module

643-W120-QA

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange

QA

QUIET.FELT standard light grey melange

QG

QUIET.FELT standard lime

QL

QUIET.FELT extra + black *

QB

QUIET.FELT extra + fire *

QF

QUIET.FELT extra + chocolate *

QC

* QUIET.FELT extra + on demand

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

pendant kit

B57101



Acoustic panel

ISO 11654: Class A, $\alpha_w = 1,00$

EN 13501-1: B-s2,d0

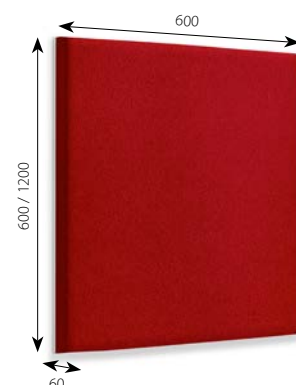


EQUIVALENT SOUND ABSORPTION AREA – absorber QUIET.FELT

Frequency Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
600x600 mm	0,1	0,1	0,1	0,2	0,3	0,3	0,3	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
600x1200 mm	0,1	0,2	0,3	0,5	0,5	0,6	0,7	0,7	0,8	0,8	0,8	0,8	0,8	0,7	0,7	0,7	0,7	0,7

RECOMMENDED NUMBER OF PANELS

panel 600x1200 mm	2x	4x	6x	8x	12x	15x
panel 600x600 mm	4x	8x	12x	16x	24x	30x
small rooms < 15 m ²	noticeable	good	very good	excellent		
medium rooms < 20 m ²		noticeable	good	very good	excellent	
large rooms < 35 m ²		noticeable	noticeable	good	very good	excellent



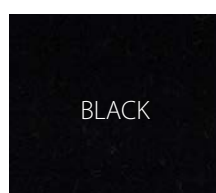
STANDARD

ANTHRACITE
MELANGE

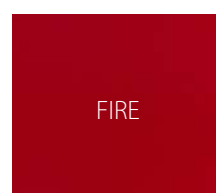
LIME

LIGHT GREY
MELANGE

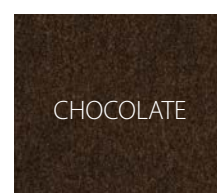
EXTRA +



BLACK

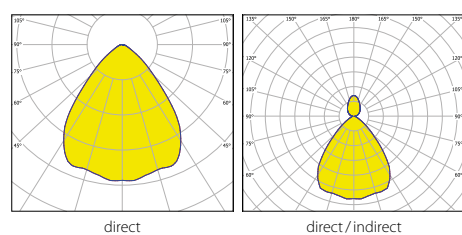


FIRE



CHOCOLATE

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



230V IP20 $R_a > 80$ UGR < 16 up to L90/50.000h MacAdam 3 DALI switchDIM



powder coated

BAI 9006 RAL 9016 RAL 9005 

100



1 Länge | Length | Longueur | Lunghezza

1186 mm	118
1471 mm	147

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

non - dim	1
DALI	3
Sensor Sensor Capteur Sensore (direct / indirect only)	7

Beispiel | Example | Exemple | Esempio

1186 mm, white, direct / indirect, 4000 K, DALI

T11H118-9016C2840X3L

Luminous Flux (lm)

	direct			direct / indirect		
	3000 K	4000 K	dynamic white	3000 K	4000 K	dynamic white
1186 mm	4068 lm	4422 lm	3494 lm	6025 lm	6580 lm	5136 lm
1471 mm	4937 lm	5367 lm	4367 lm	6869 lm	7446 lm	6123 lm

Weight (kg)

1186 mm	7,5 kg
1471 mm	9,0 kg

System Power (W)

	direct		direct / indirect	
	3000 K / 4000 K	dynamic white	3000 K / 4000 K	dynamic white
1186 mm	30 W	30 W	51 W	51 W
1471 mm	37 W	38 W	56 W	58 W

Zubehör | Accessories | Accessoires | Accessori **DECORATIVE FRAME T11-1-2-SW**

1 Output

non-dim / DALI	ZRA
Sensor DALI	ZRASD
Sensor dynamic white	ZRASH

2 Dimension

1186 mm	118
1471 mm	147

Zubehör | Accessories | Accessoires | Accessori **SENSOR DALI**

54P913700359103	Extended IR Programming Tool
54P913700392403	IR Remote Control







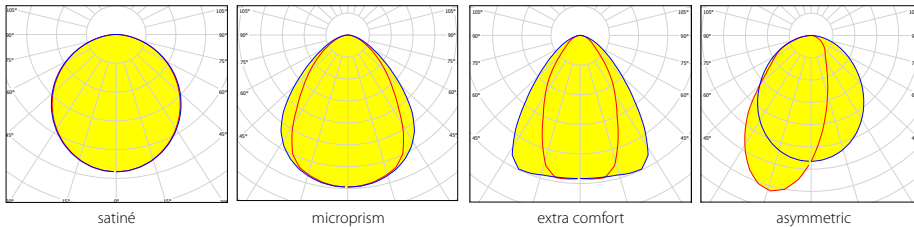
Aura Light Headquarter, Italia (Luca Cioci)

p.forty

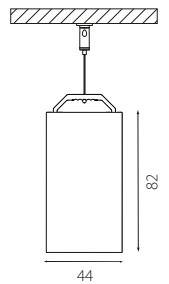
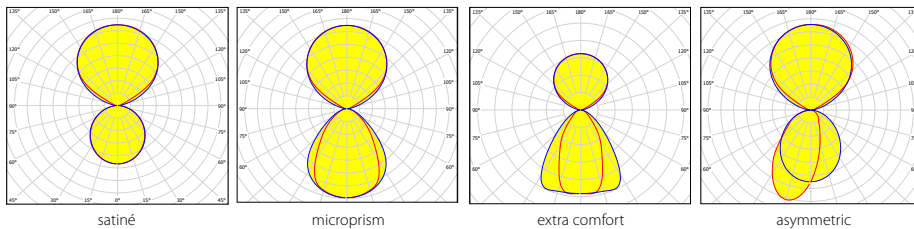
Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



direct



direct/indirect



230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 163 lm/W, up to 6299 lm/m
 $R_a > 80$, MacAdam 3
non-dim/DALI
IEC 62471: Blue light hazard: RG 0
Lifetime up to L80/50.000h

Optic

direct, direct/indirect
satiné & microprism for reduced brightness
extra comfort microprism for reduced glare
ratio UGR < 19
asymmetric cover



Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
RAL of your choice (p. 449)
RGBW (indirect only)
7 cable colours

Housing

powder coated
RAL 9006
RAL 9016
RAL 9005

1 Länge | Length | Longueur | Lunghezza

1134 mm	113
1414 mm	141
1694 mm	169
2254 mm	225
2818 mm	281
3378 mm	337
4498 mm	449

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
extra comfort (low output only)	E

Beispiel | Example | Esempio

1414 mm, white, direct, 4000 K, high output DALI, satiné

P40H141-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	direct		direct / indirect	
	high output	low output	high output	low output
1134 mm	2879 lm	1664 lm	6692 lm	3816 lm
1414 mm	3606 lm	2075 lm	8277 lm	4750 lm
1694 mm	4362 lm	2469 lm	9510 lm	5604 lm
2254 mm	5757 lm	3329 lm	13385 lm	7632 lm
2818 mm	7211 lm	4150 lm	16554 lm	9499 lm
3378 mm	8724 lm	4938 lm	19020 lm	11208 lm
4498 mm	11514 lm	6657 lm	26769 lm	15263 lm

System Power (W)

	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
1134 mm	25 W	14,5 W	26 W	48 W	26 W	49 W
1414 mm	31 W	17,5 W	32 W	59 W	32 W	59 W
1694 mm	37 W	20 W	37 W	69 W	38 W	68 W
2254 mm	47 W	27 W	49 W	92 W	50 W	93 W
2818 mm	62 W	35 W	63 W	118 W	64 W	117 W
3378 mm	74 W	40 W	74 W	138 W	76 W	136 W
4498 mm	94 W	55 W	98 W	184 W	100 W	186 W

Weight (kg)

1134 mm	3,6 kg
1414 mm	4,1 kg
1694 mm	4,7 kg
2254 mm	5,9 kg
2818 mm	7,9 kg
3378 mm	9,2 kg
4498 mm	11,4 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
1414 mm direct	3519 lm	2051 lm	3606 lm	2075 lm	3290 lm
1414 mm di/id	8042 lm	4647 lm	8277 lm	4750 lm	7424 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism*		extra comfort		asymmetric	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output
1414 mm direct	3606 lm	2075 lm	3747 lm	2153 lm	4181 lm	2413 lm	3214 lm	1849 lm
1414 mm di/id	8277 lm	4750 lm	8375 lm	4816 lm	8787 lm	5070 lm	7977 lm	4538 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierte Folie zur Erhöhung der Homogenität geliefert (- 9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satined-foil for increased homogeneity (- 9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con un foglio satinato per ottimizzare l'omogeneità (-9.5% del flusso luminoso).

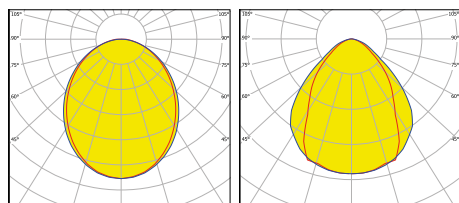
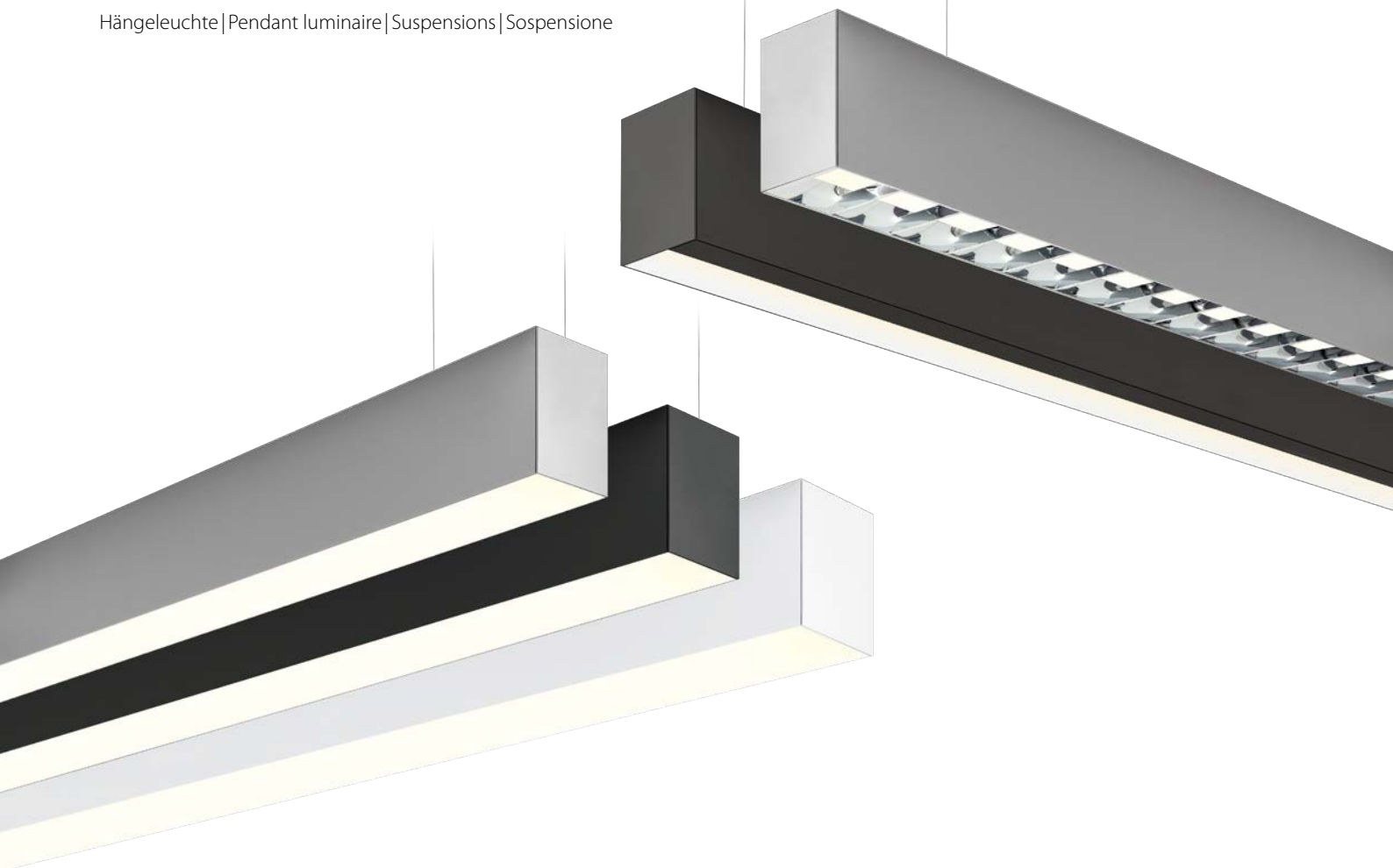




United Bankers / Finland (Sampsa Pärnänen)

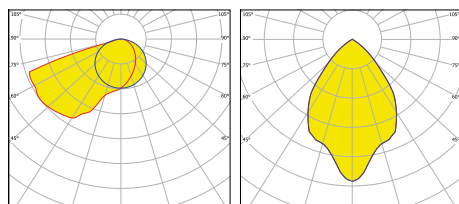
pure 3 direct

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



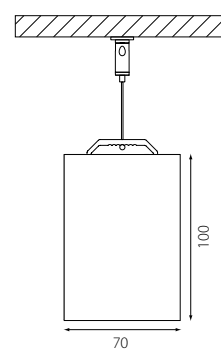
satiné

microprism



asymmetric

BAP



A++ **A**

230V IP20 IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 131 lm/W, up to 2989 lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG≤1

Lifetime up to L90/50.000h

Optic

direct

satiné, microprism

asymmetric

BAP



$R_a > 90$ VERSIONS ON DEMAND

Options

Emergency lighting 3h (p. 447)

Motion and day-light sensor (p. 446)

RAL of your choice (p. 449)

RGBW (satiné & microprism only)

7 cable colours

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

		asymmetric		BAP	
1134 mm	113	1133 mm	113	1134 mm	113
1414 mm	141	1413 mm	141	1414 mm	141
1694 mm	169	1693 mm	169	-	-
2254 mm	225	2259 mm	225	2259 mm	225
2818 mm	281	2819 mm	281	2819 mm	281
3378 mm	337	3379 mm	337	3384 mm	338
4222 mm	422	4223 mm	422	4220 mm	422

Bandlösungen | Customized solutions | Solutions sur mesure | Sistema lineare p. 322

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 (asymmetric & BAP only)	C
IP40 (satiné & microprism only)	E

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
BAP louvre	B

Beispiel | Example | Exemple | Esempio

1134 mm, white, IP40, 4000 K, high output DALI, satiné

P33H113-9016E1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
1134 mm	2767 lm	1597 lm
1414 mm	3434 lm	1962 lm
1694 mm	4225 lm	2404 lm
2254 mm	5692 lm	3127 lm
2818 mm	6868 lm	3923 lm
3378 mm	8450 lm	4807 lm
4222 mm	10303 lm	5885 lm

System Power (W)

	high output	low output	dynamic white
1133/1134 mm	27 W	16 W	28 W
1413/1414 mm	33 W	19 W	34 W
1693/1694 mm	40 W	22 W	40 W
2254/2259 mm	53 W	29 W	54 W
2818/2819 mm	67 W	38 W	68 W
3378-3384 mm	80 W	45 W	81 W
4220-4223 mm	100 W	57 W	102 W

Weight (kg)

1133/1134 mm	4,1 kg
1413/1414 mm	5,1 kg
1693/1694 mm	6,1 kg
2254/2259 mm	8,2 kg
2818/2819 mm	10,2 kg
3378-3384 mm	12,7 kg
4220-4223 mm	15,2 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
1414 mm	3335 lm	1911 lm	3434 lm	1962 lm	3104 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism*		BAP louvre		asymmetric	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output
1413/1414 mm	3434 lm	1962 lm	3653 lm	2134 lm	4185 lm	2393 lm	3533 lm	1857 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierte Folie zur Erhöhung der Homogenität geliefert (-9,5% Lichtstrom).

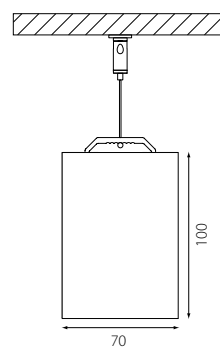
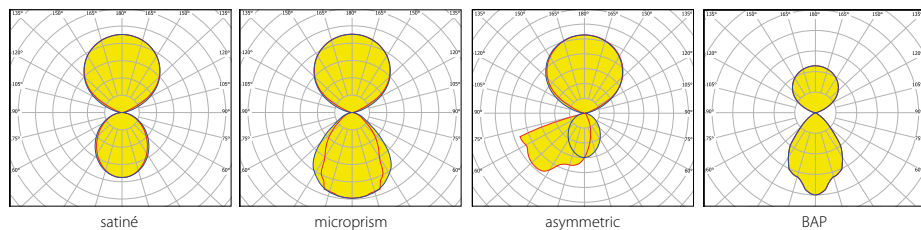
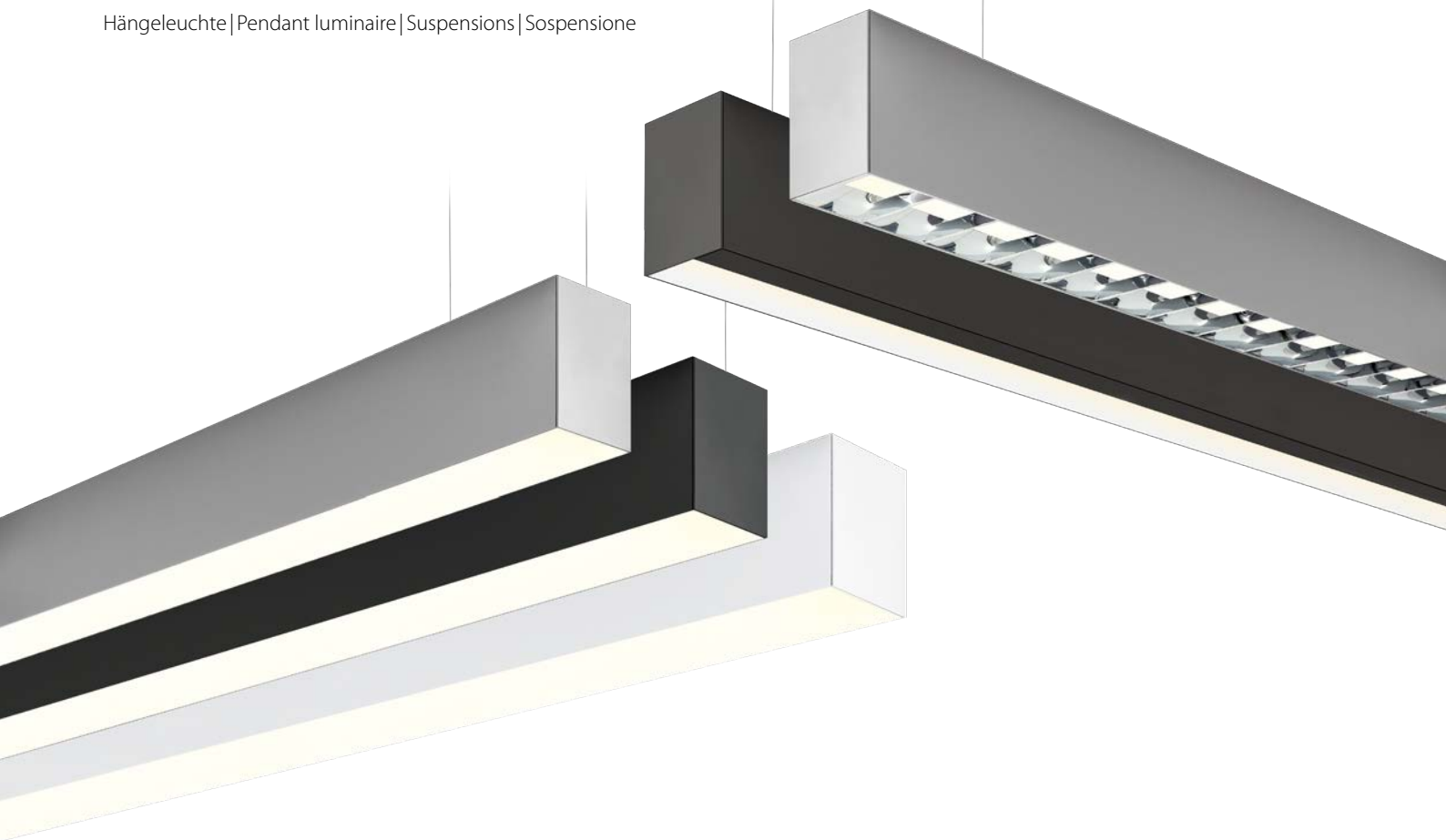
* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satined foil for increased homogeneity (-9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).

pure 3 direct/indirect

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



A++ **A**

230V IP20 IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 142 lm/W, up to 6471 lm/m
 $R_a > 80$, MacAdam 3
non-dim/DALI
IEC 62471: Blue light hazard: RG≤1
Lifetime up to L90/50.000h

Optic

direct/indirect
satiné, microprism
asymmetric
BAP



$R_a > 90$ VERSIONS ON DEMAND

Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
RAL of your choice (p. 449)
RGBW (satiné & microprism only)
7 cable colours

Housing

powder coated
RAL 9006
RAL 9016
RAL 9005

1 Länge | Length | Longueur | Lunghezza

		asymmetric		BAP	
1134 mm	113	1133 mm	113	1134 mm	113
1414 mm	141	1413 mm	141	1414 mm	141
1694 mm	169	1693 mm	169	-	-
2254 mm	225	2259 mm	225	2259 mm	225
2818 mm	281	2819 mm	281	2819 mm	281
3378 mm	337	3379 mm	337	3384 mm	338
4222 mm	422	4223 mm	422	4220 mm	422

Bandlösungen | Customized solutions | Solutions sur mesure | Sistema lineare p. 322

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005

RAL colours on request (p. 449)

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 (asymmetric & BAP only)	C
IP40 (satiné & microprism only)	E

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
BAP	B

Beispiel | Example | Esempio

1134 mm, white, IP40, 4000 K, high output DALI, satiné

P33H113-9016E2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
1134 mm	6924 lm	3973 lm
1414 mm	8522 lm	4975 lm
1694 mm	10226 lm	5970 lm
2254 mm	13848 lm	7950 lm
2818 mm	17044 lm	9950 lm
3378 mm	20452 lm	11940 lm
4222 mm	25566 lm	14925 lm

System Power (W)

	high output	low output	dynamic white
1133 / 1134 mm	53 W	29 W	54 W
1413 / 1414 mm	64 W	36 W	66 W
1693 / 1694 mm	76 W	42 W	77 W
2254 / 2259 mm	106 W	55 W	108 W
2818 / 2819 mm	127 W	72 W	131 W
3378 - 3384 mm	152 W	84 W	155 W
4220 - 4223 mm	191 W	107 W	197 W

Weight (kg)

1133 / 1134 mm	4,5 kg
1413 / 1414 mm	5,6 kg
1693 / 1694 mm	6,7 kg
2254 / 2259 mm	8,9 kg
2818 / 2819 mm	11,4 kg
3378 - 3384 mm	13,3 kg
4220 - 4223 mm	16,7 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
1414 mm	8323 lm	4883 lm	8522 lm	4975 lm	7788 lm



COMPARE COVER

Luminous Flux (lm)

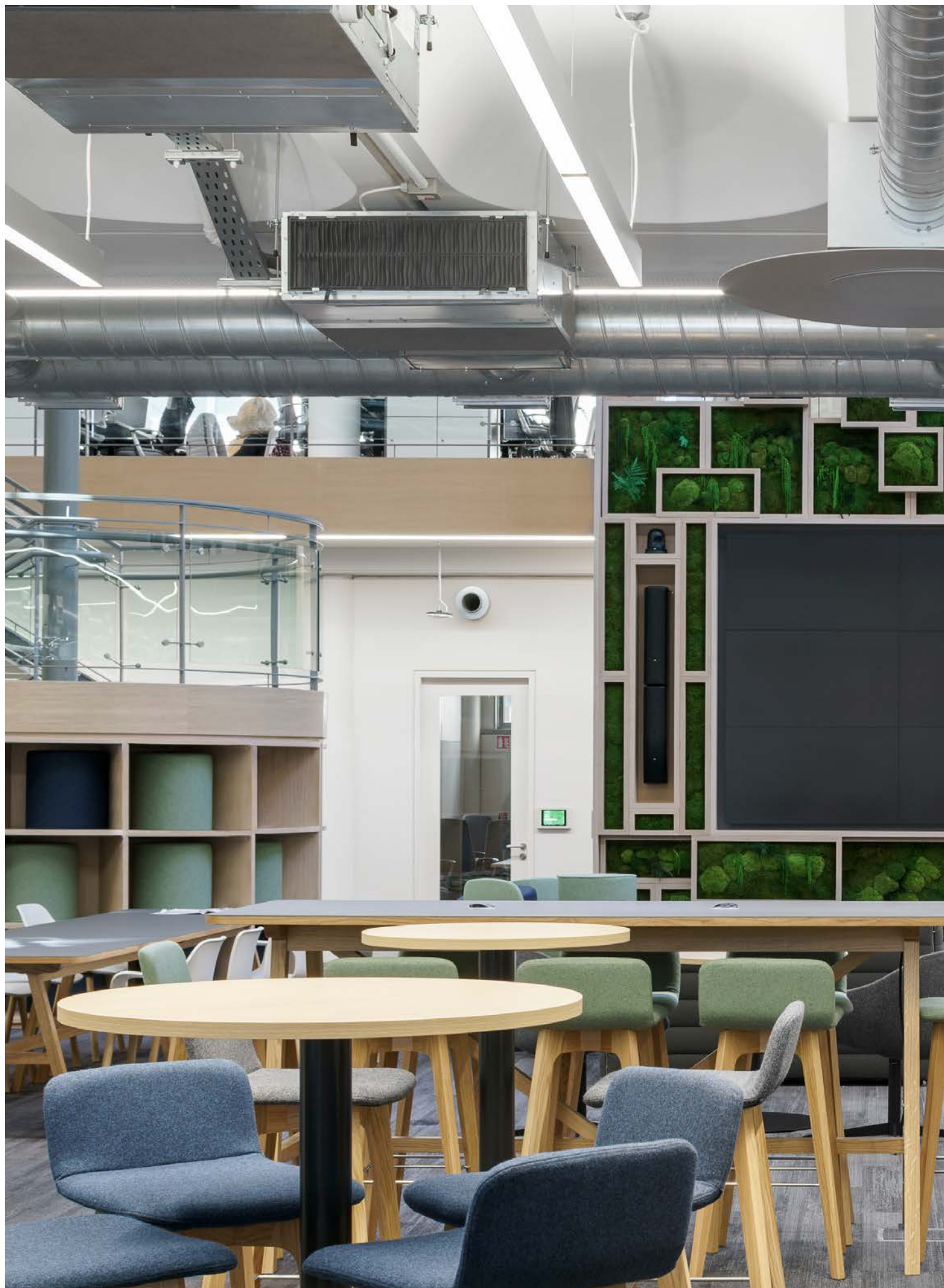
	satiné		microprism*		BAP louver		asymmetric	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output
1413 / 1414 mm	8522 lm	4975 lm	8854 lm	5168 lm	8744 lm	4958 lm	8863 lm	4643 lm

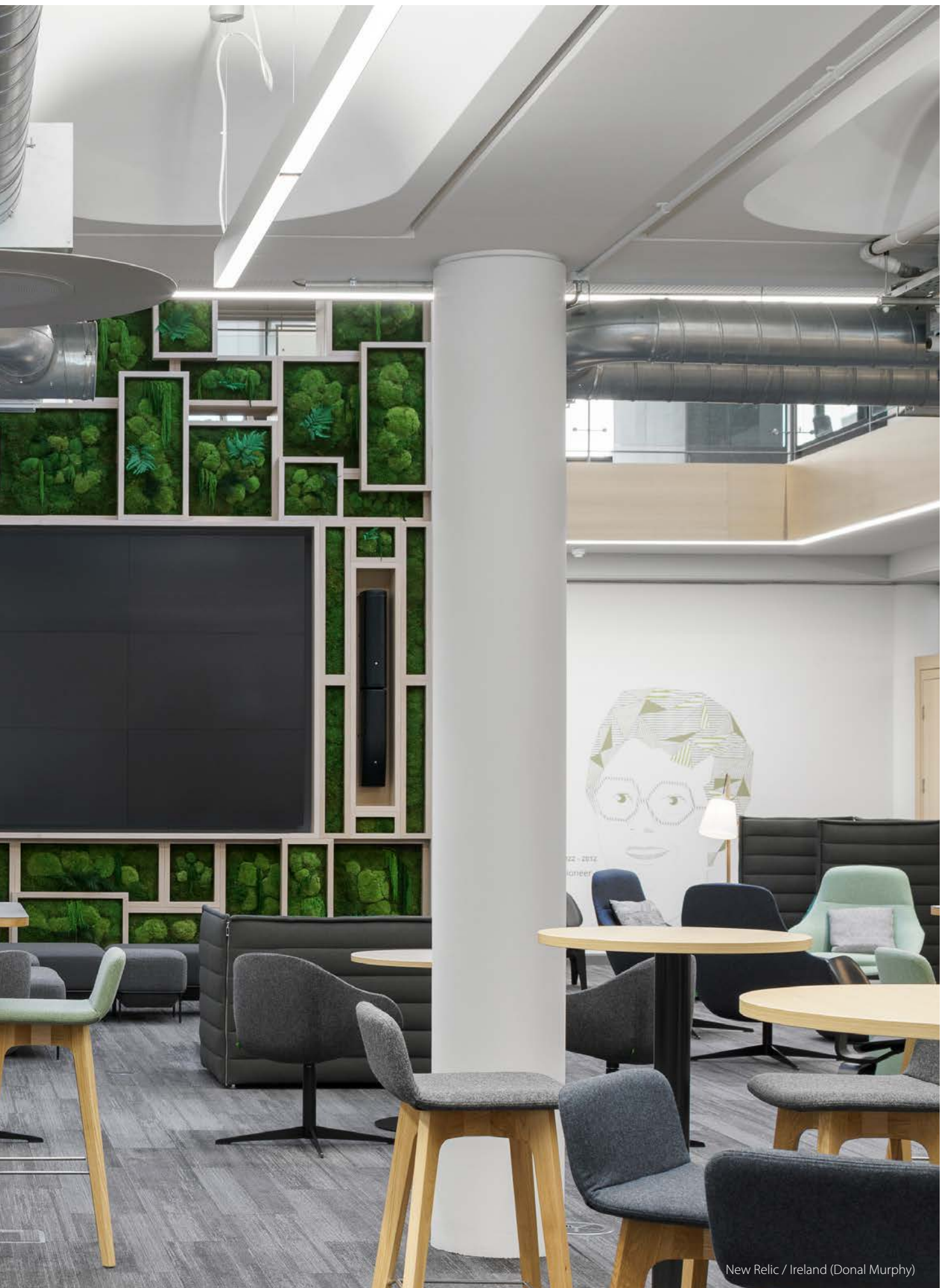
* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierte Folie zur Erhöhung der Homogenität geliefert (-9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (-9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).





New Relic / Ireland (Donal Murphy)



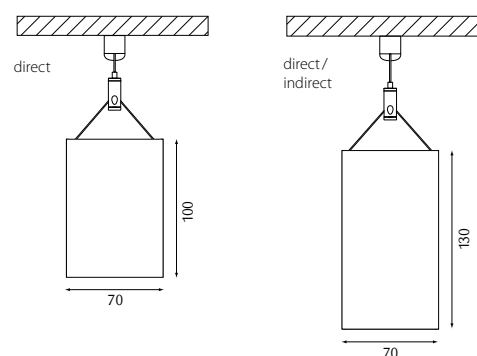
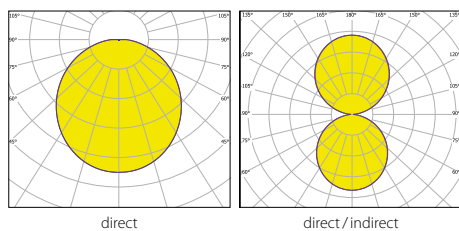
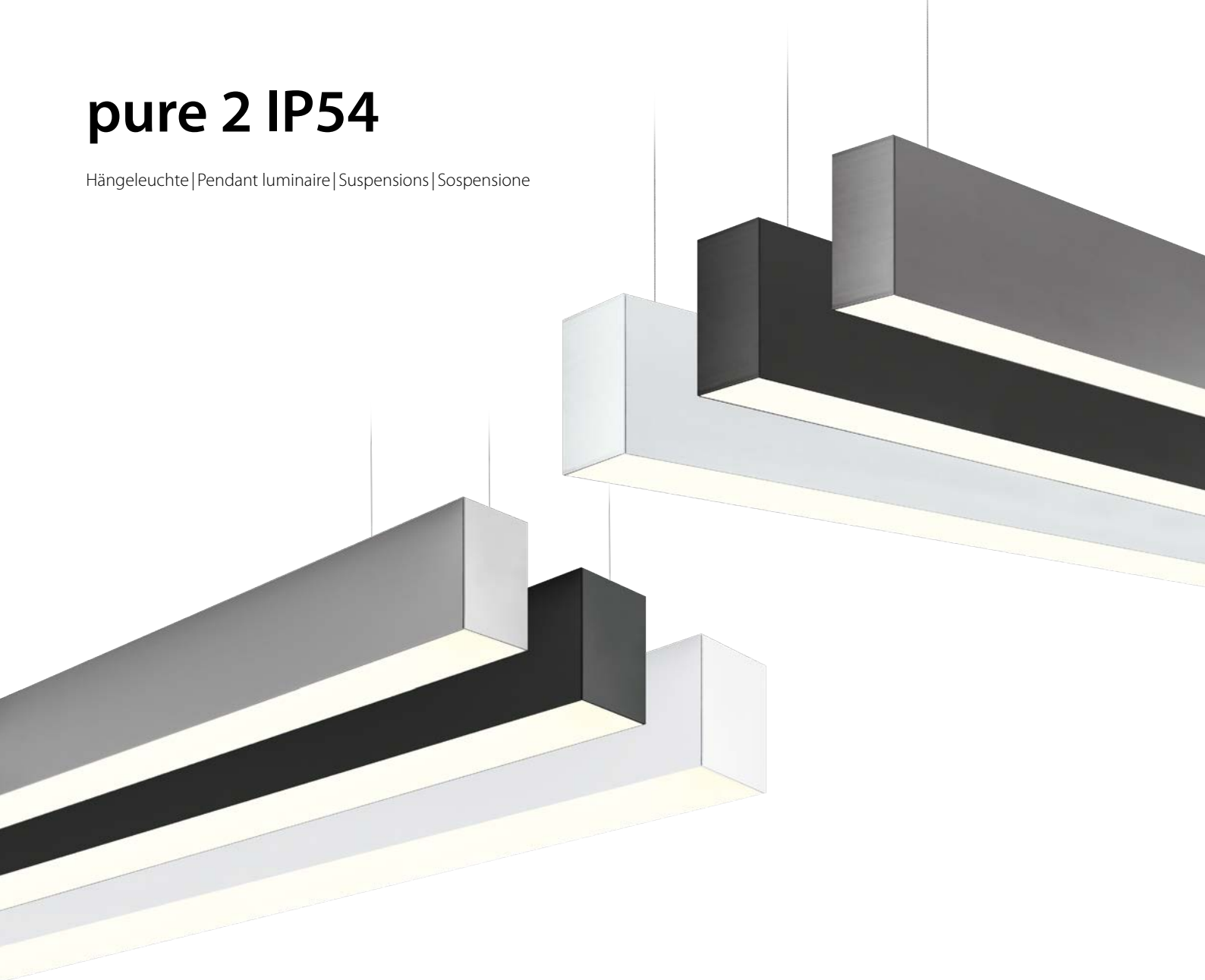
Kasarmikatu 21, Helsinki / Finland



Administration de la nature et forêts, Luxembourg

pure 2 IP54

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



A++ **A**

230V IP54 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 94lm/W, up to 5380lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L90/50.000h

Optic

direct

direct / indirect

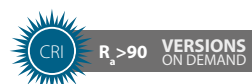
satiné



Options

RAL of your choice (p. 446)

7 cable colours



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

1160 mm	116
1440 mm	144
1720 mm	172
2280 mm	228
2840 mm	284
3400 mm	340
4520 mm	452

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Exemple | Esempio

1160 mm, white, direct, 4000 K, DALI

P58H116 - 9016Q1840H3S

Luminous Flux (lm)

	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
1160 mm	2958 lm	1584 lm	6709 lm	3393 lm
1440 mm	3644 lm	1964 lm	8034 lm	4309 lm
1720 mm	4517 lm	2626 lm	9870 lm	5778 lm
2280 mm	6115 lm	3422 lm	13418 lm	7950 lm
2840 mm	7288 lm	3928 lm	16068 lm	8618 lm
3400 mm	9034 lm	5252 lm	19740 lm	11556 lm
4520 mm	12230 lm	6844 lm	24102 lm	12927 lm

Weight (kg)

1160 mm	6,3 kg
1440 mm	7,4 kg
1720 mm	8,5 kg
2280 mm	10,8 kg
2840 mm	14,1 kg
3400 mm	16,3 kg
4520 mm	21,8 kg

System Power (W)

	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
1160 mm	34 W	20 W	36 W	70 W	38 W	70 W
1440 mm	42 W	24 W	43 W	83 W	47 W	85 W
1720 mm	51 W	28 W	51 W	99 W	55 W	101 W
2280 mm	67 W	36 W	68 W	139 W	72 W	140 W
2840 mm	84 W	48 W	86 W	166 W	93 W	171 W
3400 mm	101 W	56 W	102 W	199 W	110 W	202 W
4520 mm	135 W	73 W	136 W	249 W	140 W	256 W

COMPARE LIGHT COLOUR

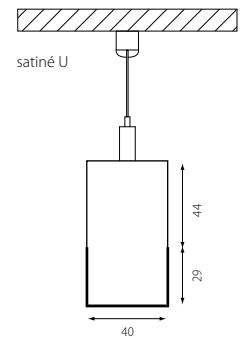
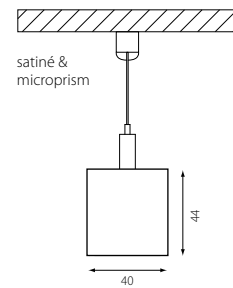
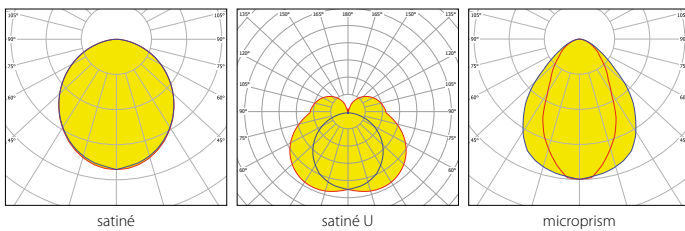
Luminous Flux (lm)

	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700 - 6500 K
satiné					
1440 mm direct	3541 lm	1905 lm	3644 lm	1964 lm	2974 lm
1440 mm direct / indirect	7799 lm	4182 lm	8034 lm	4309 lm	7318 lm



p.mini

Hängeleuchte | Pendant luminaire | Suspension | Sospensione



A++ **A**

230V IP20 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K

up to 113 lm/W, up to 2011 lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L80/50.000h

Optic

direct

satiné

satiné U

microprism

Options

RAL of your choice (p. 449)

7 cable colours

Housing

powder coated

A6C0

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

1155 mm	115
1435 mm	143
1715 mm	171

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

aluminium anodised	A6C0
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
high output DALI	H3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
satiné U	U
microprism	M

Beispiel | Example | Exemple | Esempio

1155 mm, white, 4000 K, low output non-dim, satiné

P67H115-9016C1840L1S

Luminous Flux (lm)

	3000 K						4000 K					
	high output			low output			high output			low output		
	satiné	satiné U	microprism	satiné	satiné U	microprism	satiné	satiné U	microprism	satiné	satiné U	microprism
1155 mm	2692 lm	2976 lm	3042 lm	1425 lm	1558 lm	1610 lm	2776 lm	3068 lm	3137 lm	1469 lm	1606 lm	1660 lm
1435 mm	3387 lm	3697 lm	3828 lm	1775 lm	1936 lm	2006 lm	3492 lm	3812 lm	3946 lm	1830 lm	1996 lm	2068 lm
1715 mm	4060 lm	4418 lm	4587 lm	2158 lm	2314 lm	2439 lm	4185 lm	4555 lm	4729 lm	2225 lm	2386 lm	2514 lm

System Power (W)

	high output	low output
1155 mm	45 W	23 W
1435 mm	57 W	28 W
1715 mm	67 W	33 W

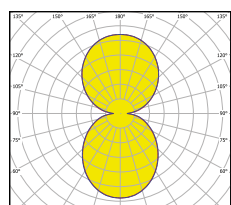
Weight (kg)

1155 mm	2,5 kg
1435 mm	3,1 kg
1715 mm	3,4 kg

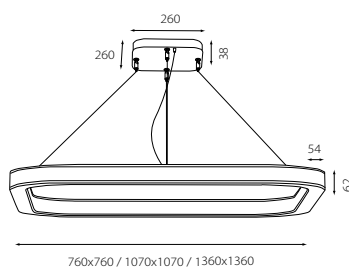


sqing

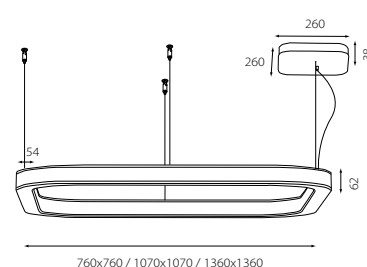
Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



Zentrale Seilabhängung | Central | Centrale



Standard direct/indirect



A++ **A**

LED

3000 K, 4000 K, dynamic white

up to 109 lm/W

$R_a > 80/90$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80 / 50.000 h

Optic

direct / indirect

satiné

Options

RAL of your choice (p. 449)

230V IP40 $R_a > 80/90$ up to L80/50.000h MacAdam 3 DALI switchDIM



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Abhängung | Cable mounting | Système de suspension | Tipo di sospensione

Standard	H
Zentrale Seilabhängung Central Centrale Sospensione centrale	Z

2 Dimension

760 x 760 mm	07Q
1070 x 1070 mm	10Q
1380 x 1380 mm	13Q

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K, $R_a > 80$ (LF830)	830
3000 K, $R_a > 90$ (LF930)	930
4000 K, $R_a > 80$ (LF830)	840
4000 K, $R_a > 90$ (LF940)	940
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Exemple | Esempio

Standard pendant, 1070 x 1070 mm, black, high output DALI, 4000 K, $R_a > 90$ (LF940)**R54H10Q-9005E2940H3S**

Luminous Flux (lm)

	high output		low output	
	$R_a > 80$	$R_a > 90$	$R_a > 80$	$R_a > 90$
4000 K satiné				
760 x 760 mm	9568 lm	8112 lm	5120 lm	4336 lm
1070 x 1070 mm	14568 lm	12360 lm	7680 lm	6504 lm
1380 x 1380 mm	19136 lm	16224 lm	10240 lm	8672 lm

System Power (W)

	high output	low output	dynamic white
760 x 760 mm	88 W	52 W	46 W
1070 x 1070 mm	140 W	77 W	70 W
1380 x 1380 mm	176 W	105 W	88 W

Weight (kg)

760 x 760 mm	12,0 kg
1070 x 1070 mm	15,5 kg
1380 x 1380 mm	20,0 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

satiné	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K
1070 x 1070 mm $R_a > 80$	13896 lm	7320 lm	14568 lm	7680 lm	–
1070 x 1070 mm $R_a > 90$	12192 lm	6408 lm	12360 lm	6504 lm	5232 lm



GOOD to know

All figures of luminous flux (lm) are for sqing with **white housing**. Different housing colours **reduce the luminous flux** physically – silver (RAL 9006) minus 21%, black (RAL 9005) minus 25%!

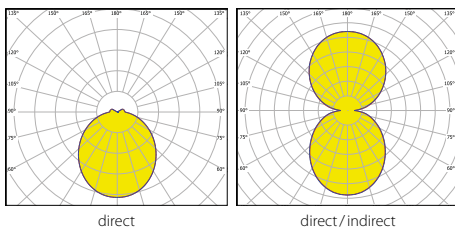
Diffuser 7 mm hoch für seitlichen Lichtaustritt.
Diffuser with a height of 7 mm to allow lateral light emission.
Diffusion latérale par le biais d'un diffuseur de 7 mm de haut.
Spessore del diffusore 7 mm per una emissione laterale.



Design: Nina Mair

halo

Hängeleuchte | Pendant luminaire | Suspension | Sospensione



Diffusor 7 mm hoch für seitlichen Lichtaustritt.
Diffuser with a height of 7 mm to allow lateral light emission.
Diffusion latérale par le biais d'un diffuseur de 7 mm de haut.
Spessore del diffusore 7 mm per una emissione laterale.



Design: Nina Mair

A++ **A**

230V IP20 IP40 $R_a > 80$ up to L80/50.000h

MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 118 lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

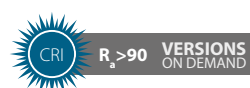
direct

direct/indirect

satiné

Options

RAL of your choice (p. 449)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Abhängung | Cable mounting | Système de suspension | Tipo di sospensione

Standard	H
Zentrale Seilabhängung Central Centrale Sospensione centrale	Z

2 Dimension

ø 760 mm	076
ø 1040 mm	104
ø 1220 mm	122
ø 1360 mm	136

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

4 direct | direct/indirect

direct IP20	C1
direct/indirect IP40	E2

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

6 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Esempio

Central, ø 760 mm, white, direct, dynamic white

R48Z076-9016C1HCLX3S

Luminous Flux (lm)

4000 K satiné	direct		direct/indirect	
	high output	low output	high output	low output
ø 760 mm	3945 lm	2366 lm	7843 lm	4732 lm
ø 1040 mm	4649 lm	3171 lm	9283 lm	6337 lm
ø 1220 mm	6399 lm	3891 lm	12821 lm	7779 lm
ø 1360 mm	7471 lm	4842 lm	14910 lm	9676 lm

Weight (kg)

ø 760 mm	10,0 kg
ø 1040 mm	14,0 kg
ø 1220 mm	15,0 kg
ø 1360 mm	18,0 kg

System Power (W)

	direct			direct/indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
ø 760 mm	40 W	24 W	47 W	81 W	48 W	23 W
ø 1040 mm	51 W	35 W	63 W	102 W	69 W	32 W
ø 1220 mm	67 W	40 W	78 W	134 W	79 W	39 W
ø 1360 mm	73 W	46 W	87 W	146 W	91 W	44 W

GOOD to know

All figures of luminous flux (lm) are for halo with **white housing**. Different housing colours **reduce the luminous flux** physically – silver (RAL 9006) minus 21%, black (RAL 9005) minus 25%!

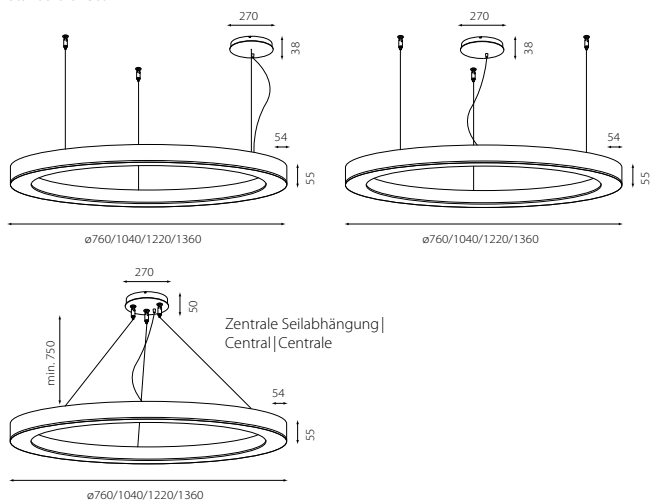
COMPARE LIGHT COLOUR

Luminous Flux (lm)

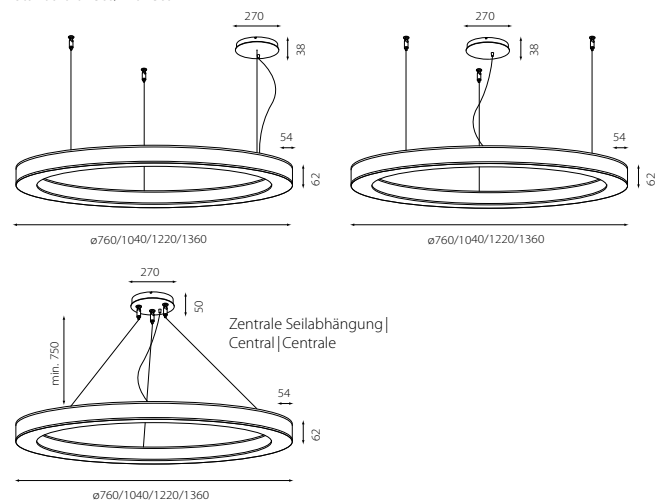
satiné	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K
ø 1040 mm direct	4493 lm	3065 lm	4649 lm	3171 lm	3046 lm
ø 1040 mm di/id	8969 lm	6123 lm	9283 lm	6337 lm	6092 lm



Standard direct



Standard direct/indirect



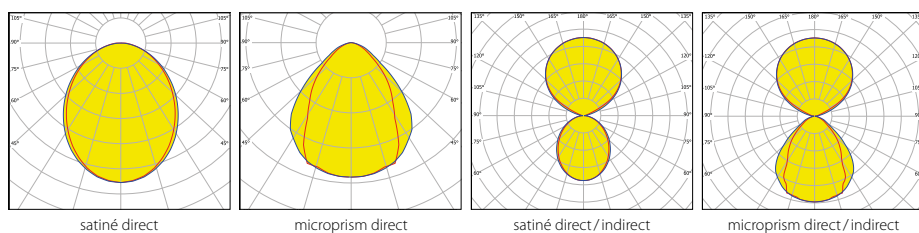
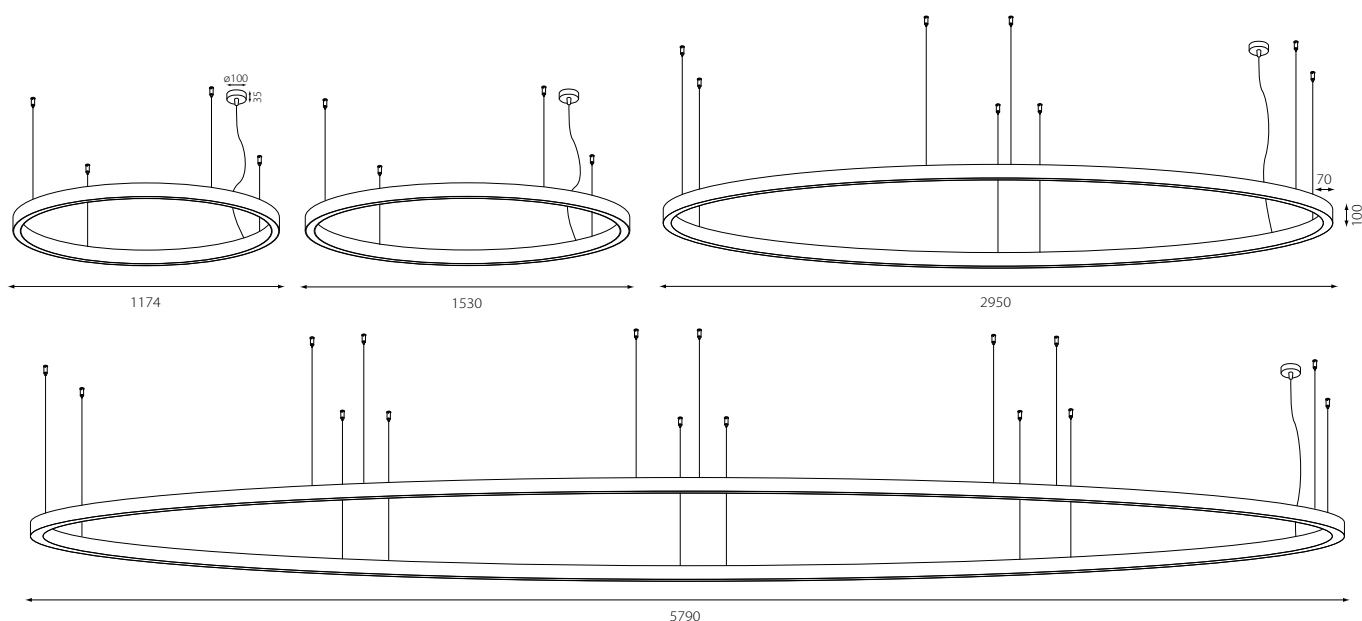
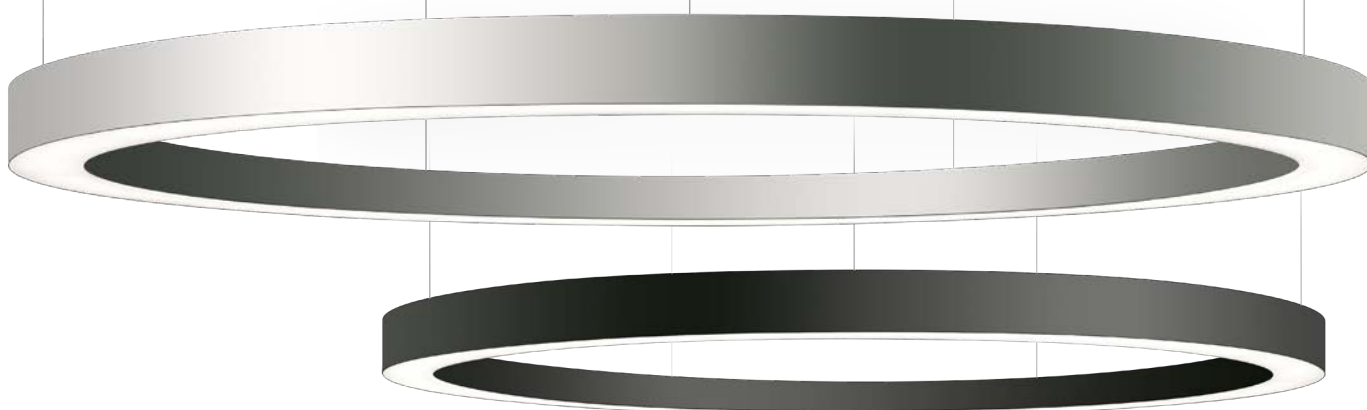




Villa Pauly, Luxembourg

sinus

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



A++ **A**

230V IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 140lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: $RG \leq 1$

Lifetime up to L90/50.000h

Optic

direct

direct/indirect

satiné

microprism for reduced brightness (LRA)

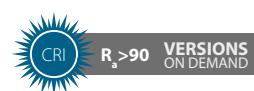
Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

7 cable colours

Central suspension



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 1174 mm	117
ø 1530 mm	153
ø 2950 mm	295
ø 5790 mm	579

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argenteo (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Esempio

ø 1174 mm, white, direct, 4000 K, high output DALI, satiné

R33H117-9016E1840H3S

Luminous Flux (lm)	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
ø 1174 mm	8180 lm	4768 lm	20592 lm	11952 lm
ø 1530 mm	11068 lm	6388 lm	27696 lm	15892 lm
ø 2950 mm	22768 lm	12508 lm	55392 lm	31800 lm
ø 5790 mm	45536 lm	25016 lm	110784 lm	63600 lm

System Power (W)	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
ø 1174 mm	83 W	51 W	90 W	158 W	90 W	160 W
ø 1530 mm	108 W	63 W	112 W	213 W	116 W	216 W
ø 2950 mm	213 W	116 W	215 W	426 W	222 W	431 W
ø 5790 mm	426 W	231 W	430 W	853 W	443 W	862 W

Weight (kg)

ø 1174 mm	17,8 kg
ø 1530 mm	23,2 kg
ø 2950 mm	32,2 kg
ø 5790 mm	63,1 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
ø 1530 mm direct	10748 lm	6208 lm	11068 lm	6388 lm	10095 lm
ø 1530 mm di / id	26800 lm	16020 lm	27696 lm	15892 lm	24664 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 1530 mm direct	11068 lm	6388 lm	12116 lm	6928 lm
ø 1530 mm di / id	27696 lm	15892 lm	28872 lm	16460 lm





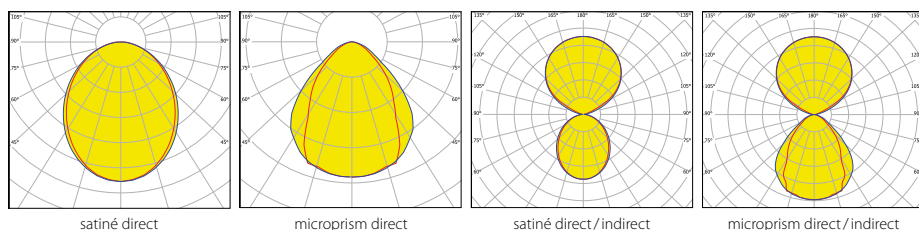
Landkreis Erlangen / Germany



Landkreis Erlangen / Germany

sinus quiet

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



ACOUSTIC PANELS
WALLS & CEILINGS
p. 192

A++ **A**

230V IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 140lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: $RG \leq 1$

Lifetime up to L90/50.000h

Optic

direct

direct/indirect

satiné

microprism for reduced brightness (LRA)



$R_a > 90$ VERSIONS
ON DEMAND

Options

Emergency lighting 3h (p. 447)

4 Organoid® & 7 felt sound absorbers

7 cable colours

RAL of your choice (p. 449)

Central suspension

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 1174 mm	117
ø 1530 mm	153

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange	QA
QUIET.FELT standard pebble	QP
QUIET.FELT standard lime	QL
QUIET.FELT extra+ black *	QB
QUIET.FELT extra+ fire *	QF
QUIET.FELT extra+ light grey melange *	QG
QUIET.FELT extra+ chocolate *	QC
Organoid® Mous *	QM
Organoid® Wöllä *	QW
Organoid® Wildspitze *	QH

* QUIET.FELT extra+ & Organoid® on demand

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	SI
weiß white blanc bianco (RAL 9016)	WS
schwarz black noir nero (RAL 9005)	SW

RAL colours on request (p. 449)

4 direct | direct / indirect

direct	1
direct / indirect	2

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

6 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

7 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Esempio

ø 1174 mm, standard pebble, white, direct, 4000 K, high output DALI, satiné

R33H117-QPWSE1840H3S

Luminous Flux (lm)	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
ø 1174 mm	8180 lm	4768 lm	20592 lm	11952 lm
ø 1530 mm	11068 lm	6388 lm	27696 lm	15892 lm

System Power (W)	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
ø 1174 mm	83 W	51 W	90 W	158 W	90 W	160 W
ø 1530 mm	108 W	63 W	112 W	213 W	116 W	216 W

Weight (kg) Organoid

ø 1174 mm direct	18,6 kg
ø 1530 mm direct	24,8 kg
ø 1174 mm di / id	14,7 kg
ø 1530 mm di / id	20,2 kg

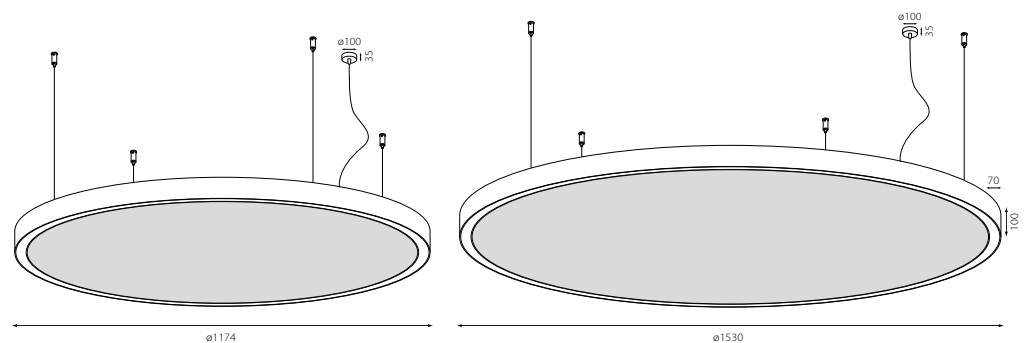


COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dyn. white
	high output	low output	high output	low output	2700-6500 K
ø 1530 mm direct	10748 lm	6208 lm	11068 lm	6388 lm	10095 lm
ø 1530 mm indirect	26800 lm	16020 lm	27696 lm	15892 lm	24664 lm

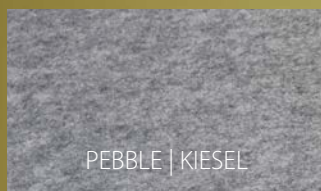
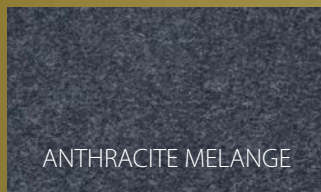
COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
	high output	low output	high output	low output
ø 1530 mm direct	11068 lm	6388 lm	12116 lm	6928 lm
ø 1530 mm indirect	27696 lm	15892 lm	28872 lm	16460 lm

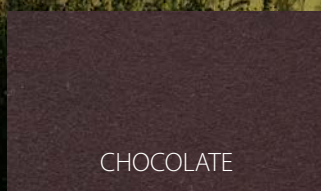
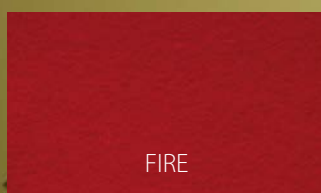
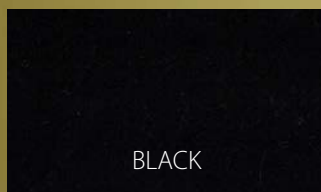


FELT.QUIET

STANDARD



EXTRA +



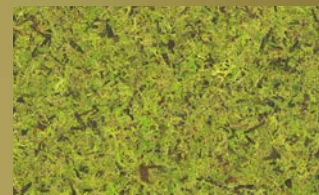
ORGANOID®



WILDSPITZE
[vɪltʃpɪtsə]



WOLLÄ
[ˈvɔlə]

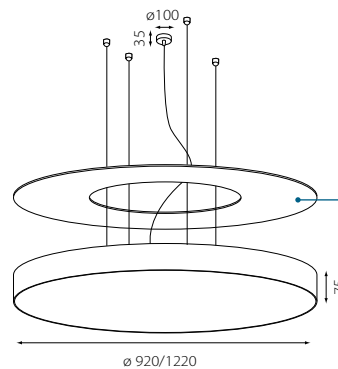
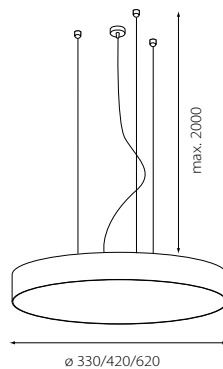
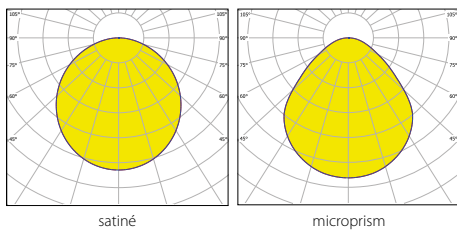
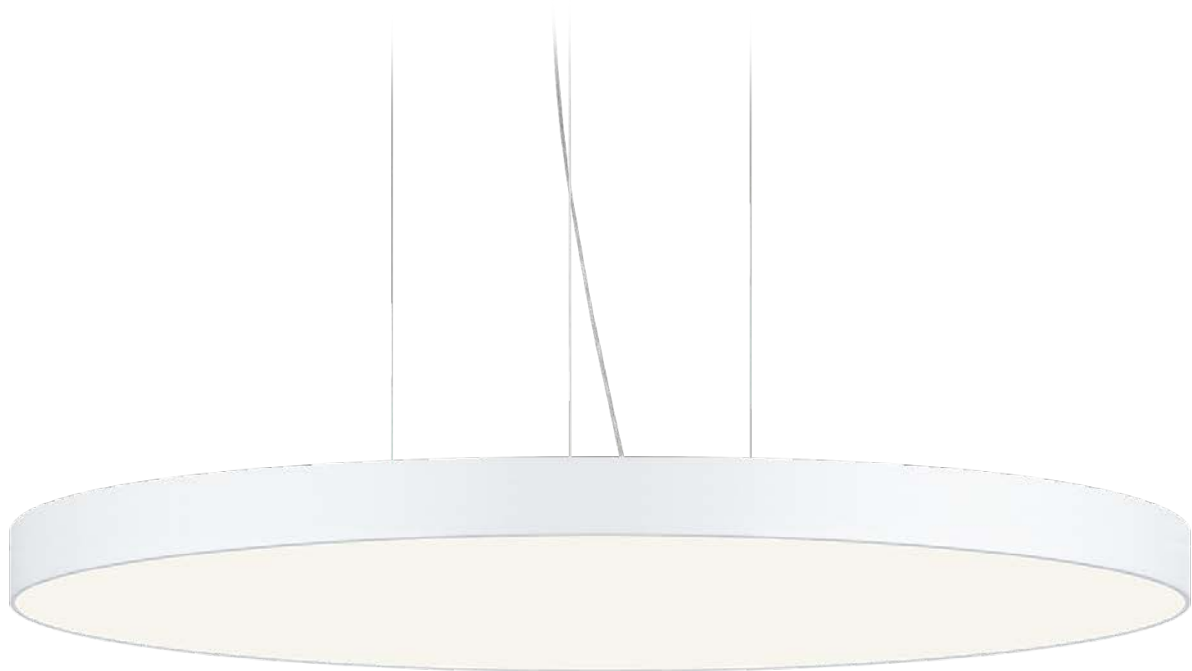


MOUS
[ˈmøʊz]

Rendering

lili direct

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto

A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 141 lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduces brightness (LRA)

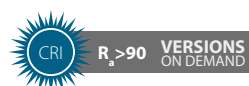
Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

7 cable colours

Central & Rod suspension



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 330 mm	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, 4000 K, high output DALI, satiné

F50H042-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 330 mm	1934 lm	991 lm
ø 420 mm	3019 lm	1648 lm
ø 620 mm	6353 lm	3104 lm
ø 920 mm	12988 lm	6543 lm
ø 1220 mm	23507 lm	12223 lm

System Power (W)

	high output	low output	dynamic white
ø 330 mm	18,5 W	11 W	19,5 W
ø 420 mm	27 W	15 W	27 W
ø 620 mm	51 W	25 W	53 W
ø 920 mm	96 W	47 W	99 W
ø 1220 mm	172 W	86 W	182 W

Weight (kg)

ø 330 mm	4,8 kg
ø 420 mm	5,4 kg
ø 620 mm	10,2 kg
ø 920 mm	16,5 kg
ø 1220 mm	22,7 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
ø 420 mm	2910 lm	1591 lm	3019 lm	1648 lm	2840 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 420 mm	3019 lm	1648 lm	2563 lm	1460 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

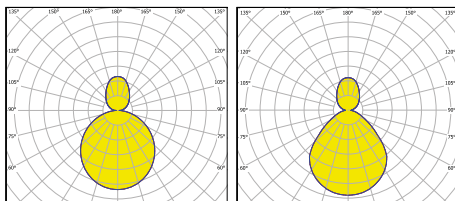
	white	F50-KAS-092-9016
920 mm Cover Plate, Indirect Side	silver	F50-KAS-092-9006
	black	F50-KAS-092-9005
1220 mm Cover Plate, Indirect Side	white	F50-KAS-122-9016
	silver	F50-KAS-122-9006
	black	F50-KAS-122-9005

Weight (kg)

920 mm Cover Plate	1,5 kg
1220 mm Cover Plate	3,2 kg

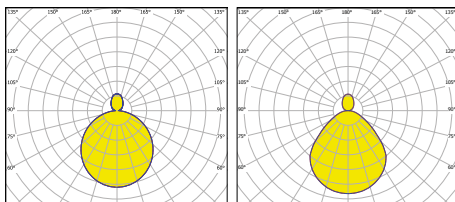
lili direct/indirect

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



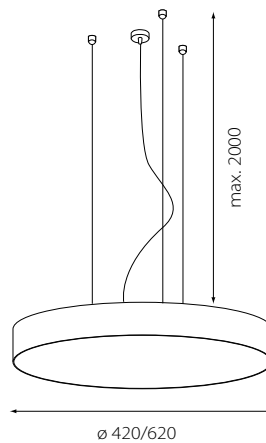
low output satiné

low output microprism

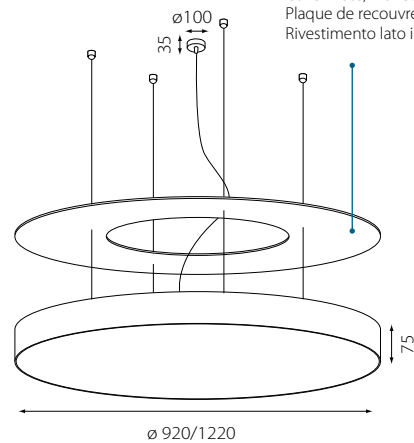


high output satiné

high output microprism



ø 420/620



ø 920/1220

Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto

A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switch DIM



LED

3000K, 4000K

up to 142lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct/indirect

satiné

microprism for reduced brightness (LRA)

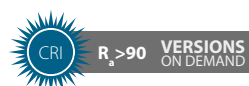
Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

7 cable colours

Central & Rod suspension



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
micropism	M

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, 4000 K, high output DALI, satiné

F50H042-9016C2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 420 mm	4900 lm	2782 lm
ø 620 mm	9150 lm	5898 lm
ø 920 mm	16773 lm	10328 lm
ø 1220 mm	27291 lm	16007 lm

System Power (W)

	high output	low output
ø 420 mm	46 W	25 W
ø 620 mm	78 W	51 W
ø 920 mm	135 W	85 W
ø 1220 mm	209 W	124 W

Weight (kg)

ø 420 mm	5,4 kg
ø 620 mm	10,2 kg
ø 920 mm	16,5 kg
ø 1220 mm	22,7 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K	
satiné	high output	low output	high output	low output
ø 420 mm	4671 lm	2649 lm	4900 lm	2782 lm

COMPARE COVER

Luminous Flux (lm)

	satiné		micropism	
4000 K	high output	low output	high output	low output
ø 420 mm	4900 lm	2782 lm	4442 lm	2594 lm

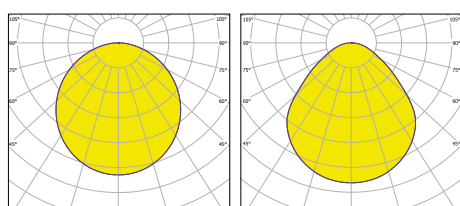


Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

920 mm Cover Plate, Indirect Side	white	F50-KAS-092-9016
	silver	F50-KAS-092-9006
	black	F50-KAS-092-9005
1220 mm Cover Plate, Indirect Side	white	F50-KAS-122-9016
	silver	F50-KAS-122-9006
	black	F50-KAS-122-9005

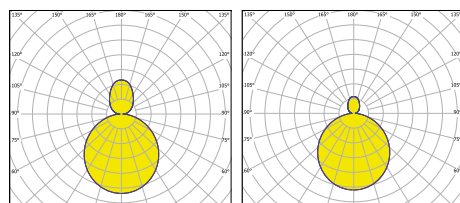
Weight (kg)

920 mm Cover Plate	1,5 kg
1220 mm Cover Plate	3,2 kg



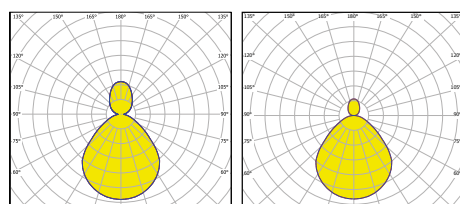
satiné direct

microprism direct



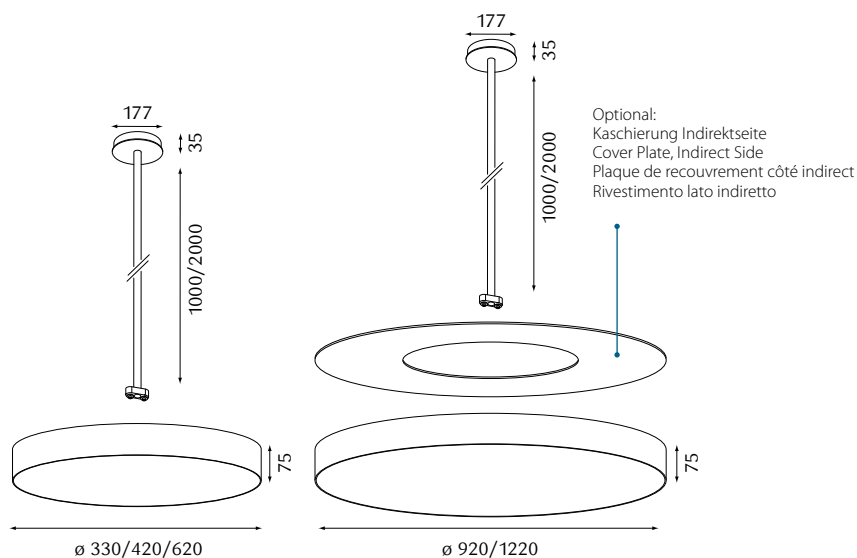
low output satiné di/id

high output satiné di/id



low output microprism di/id

high output microprism di/id



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 141 lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct, direct/indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Central suspension

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

ø 330 mm (direct only)	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white (direct only)	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, direct, 4000 K, high output DALI, satiné

F50A042-9016C1840H3S

Luminous Flux (lm)	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
ø 330 mm	1934 lm	991 lm	-	-
ø 420 mm	3019 lm	1648 lm	4160 lm	2782 lm
ø 620 mm	6353 lm	3104 lm	7525 lm	4325 lm
ø 920 mm	12988 lm	6543 lm	15141 lm	8799 lm
ø 1220 mm	23507 lm	12223 lm	25661 lm	14479 lm

System Power (W)	direct			direct / indirect	
	high output	low output	dynamic white	high output	low output
ø 330 mm	18,5 W	11 W	19,5 W	-	-
ø 420 mm	27 W	15 W	27 W	38 W	25 W
ø 620 mm	51 W	25 W	53 W	62 W	36 W
ø 920 mm	96 W	47 W	99 W	116 W	65 W
ø 1220 mm	172 W	86 W	182 W	191 W	104 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
ø 420 mm direct	2910 lm	1591 lm	3019 lm	1648 lm	2840 lm
ø 420 mm direct / indirect	3941 lm	2615 lm	4160 lm	2782 lm	-

Weight (kg)

ø 330 mm	4,8 kg
ø 420 mm	5,4 kg
ø 620 mm	10,2 kg
ø 920 mm	16,5 kg
ø 1220 mm	22,7 kg

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 420 mm direct	3019 lm	1648 lm	2563 lm	1460 lm
ø 420 mm direct / indirect	4160 lm	2782 lm	3726 lm	2594 lm



<https://katalog.planlicht.com>

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

920 mm Cover Plate, Indirect Side	white	F50-KAS-092-9016
	silver	F50-KAS-092-9006
	black	F50-KAS-092-9005
1220 mm Cover Plate, Indirect Side	white	F50-KAS-122-9016
	silver	F50-KAS-122-9006
	black	F50-KAS-122-9005
1000 mm Rod Suspension	white	F50-PEN-100-9016
	silver	F50-PEN-100-9006
	black	F50-PEN-100-9005
2000 mm Rod Suspension	white	F50-PEN-200-9016
	silver	F50-PEN-200-9006
	black	F50-PEN-200-9005

Weight (kg)

920 mm Cover Plate	1,5 kg
1220 mm Cover Plate	3,2 kg
1000 mm Rod Suspension	0,5 kg
2000 mm Rod Suspension	0,7 kg





Gewobag, Berlin / Germany

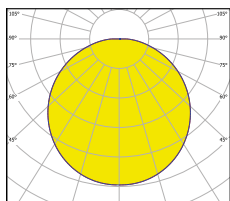




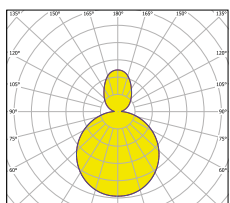
At Home, Luxembourg

lilibet

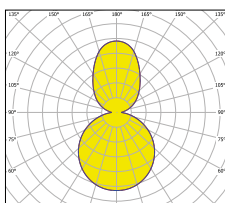
Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



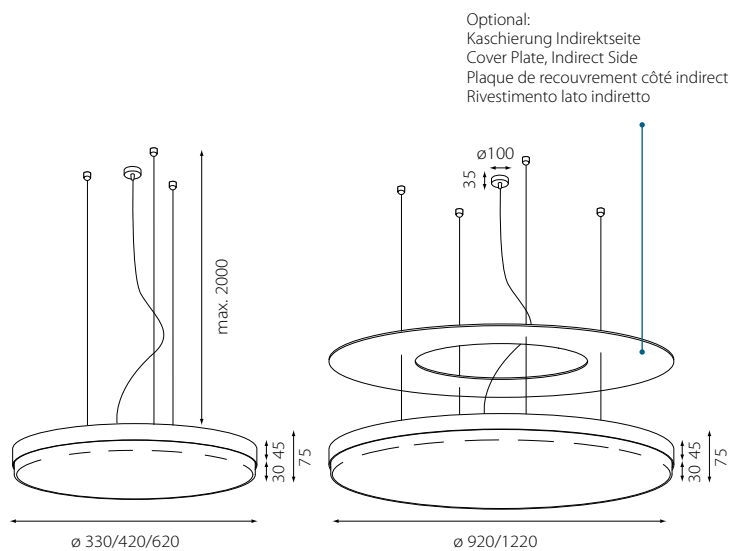
direct



direct/indirect high output



direct/indirect low output



A++ A

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 139lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct

direct/indirect

satiné

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

7 cable colours

Central & Rod suspension



$R_a > 90$ VERSIONS ON DEMAND

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

ø 330 mm (direct only)	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white (direct only)	X3

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, direct, 4000 K, high output DALI

F52H042-9016C1840H3S

Luminous Flux (lm)

	high output	direct		direct / indirect	
		low output	dynamic white	high output	low output
4000 K satiné					
ø 330 mm	2069 lm	1060 lm	1947 lm	-	-
ø 420 mm	3110 lm	1697 lm	2926 lm	4899 lm	2782 lm
ø 620 mm	6480 lm	3165 lm	5901 lm	9150 lm	5899 lm
ø 920 mm	13117 lm	6609 lm	12343 lm	16772 lm	10327 lm
ø 1220 mm	23743 lm	12346 lm	21547 lm	27291 lm	16008 lm

Weight (kg)

ø 330 mm	4,8 kg
ø 420 mm	5,4 kg
ø 620 mm	10,2 kg
ø 920 mm	16,5 kg
ø 1220 mm	22,7 kg

System Power (W)

	direct			direct / indirect	
	high output	low output	dynamic white	high output	low output
ø 330 mm	18,5 W	11 W	19,5 W	-	-
ø 420 mm	27 W	15 W	27 W	46 W	25 W
ø 620 mm	51 W	25 W	53 W	78 W	51 W
ø 920 mm	96 W	47 W	99 W	135 W	85 W
ø 1220 mm	172 W	86 W	182 W	209 W	124 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)

satiné	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K
ø 420 mm direct	2997 lm	1638 lm	3110 lm	1697 lm	2926 lm
ø 420 mm di/id	4670 lm	2649 lm	4899 lm	2782 lm	-



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

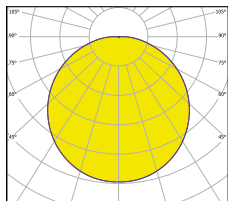
920 mm Cover Plate, Indirect Side	white	F50-KAS-092-9016
	silver	F50-KAS-092-9006
	black	F50-KAS-092-9005
1220 mm Cover Plate, Indirect Side	white	F50-KAS-122-9016
	silver	F50-KAS-122-9006
	black	F50-KAS-122-9005

Weight (kg)

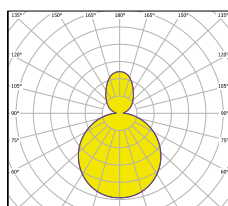
920 mm Cover Plate	1,5 kg
1220 mm Cover Plate	3,2 kg

lilibet

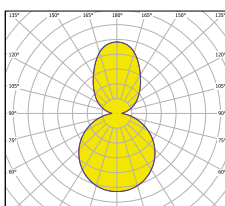
Pende | Rod suspension | Suspensions rigide | Sospensione a tige rigido



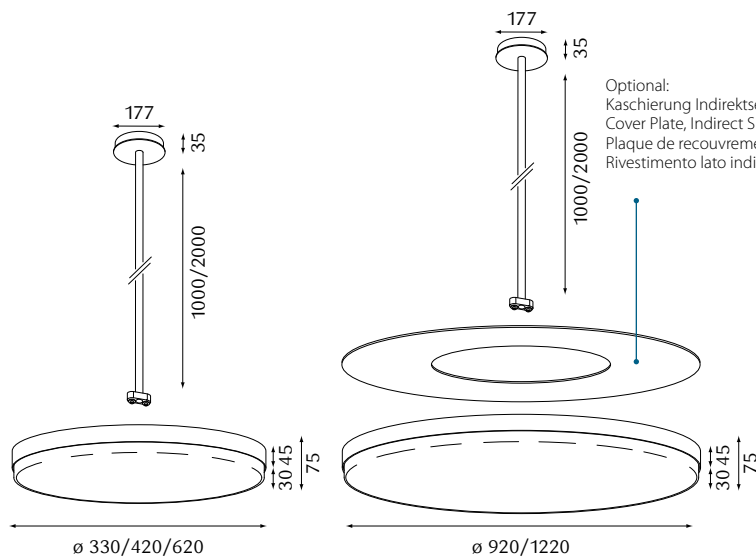
direct



direct/indirect high output



direct/indirect low output



Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto



230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 144lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct, direct/indirect

satiné

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Central suspension

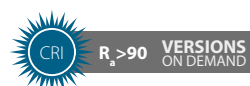
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

ø 330 mm	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white (direct only)	X3

Beispiel | Example | Exemple | Esempio

ø 420 mm, white, direct, 4000 K, high output DALI

F52A042-9016C1840H3S

Luminous Flux (lm)	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
ø 330 mm	2069 lm	1060 lm	-	-
ø 420 mm	3110 lm	1697 lm	4160 lm	2782 lm
ø 620 mm	6480 lm	3165 lm	7524 lm	4324 lm
ø 920 mm	13117 lm	6609 lm	15141 lm	8799 lm
ø 1220 mm	23743 lm	12346 lm	25661 lm	14478 lm

System Power (W)	direct			direct / indirect	
	high output	low output	dynamic white	high output	low output
ø 330 mm	18,5 W	11 W	19 W	-	-
ø 420 mm	27 W	15 W	27 W	38 W	25 W
ø 620 mm	51 W	25 W	52 W	62 W	36 W
ø 920 mm	96 W	47 W	96 W	116 W	65 W
ø 1220 mm	172 W	86 W	172 W	191 W	104 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K
satiné					
ø 420 mm direct	2997 lm	1638 lm	3110 lm	1697 lm	2926 lm
ø 420 mm di / id	3941 lm	2615 lm	4160 lm	2782 lm	-

Weight (kg)

ø 330 mm	4,8 kg
ø 420 mm	5,4 kg
ø 620 mm	10,2 kg
ø 920 mm	16,5 kg
ø 1220 mm	22,7 kg



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

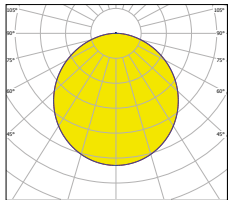
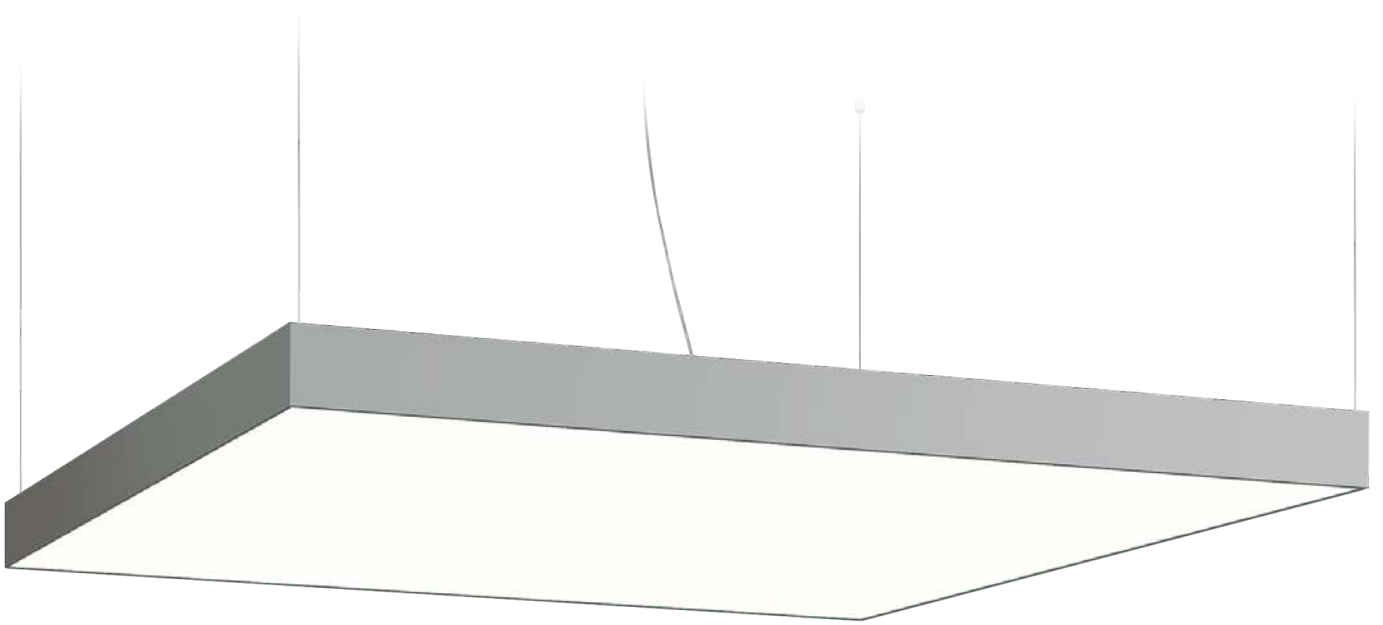
920 mm Cover Plate, Indirect Side	white	F50-KAS-092-9016
	silver	F50-KAS-092-9006
	black	F50-KAS-092-9005
1220 mm Cover Plate, Indirect Side	white	F50-KAS-122-9016
	silver	F50-KAS-122-9006
	black	F50-KAS-122-9005
1000 mm Rod Suspension	white	F50-PEN-100-9016
	silver	F50-PEN-100-9006
	black	F50-PEN-100-9005
2000 mm Rod Suspension	white	F50-PEN-200-9016
	silver	F50-PEN-200-9006
	black	F50-PEN-200-9005

Weight (kg)

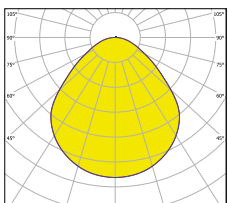
920 mm Cover Plate	1,5 kg
1220 mm Cover Plate	3,2 kg
1000 mm Rod Suspension	0,5 kg
2000 mm Rod Suspension	0,7 kg

liha direct

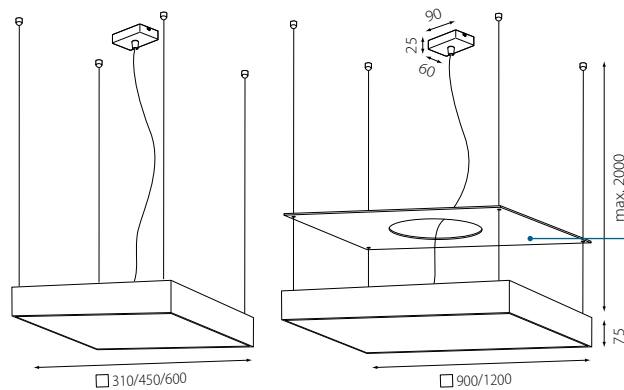
Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



satiné



microprism



Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto

A++ A

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 148 lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

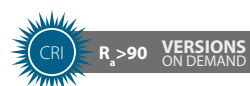
Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

7 cable colours

Central & Rod suspension



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

310×310 mm	03Q
450×450 mm	04Q
600×600 mm	06Q
900×900 mm	09Q
1200×1200 mm	12Q

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

450×450 mm, white, 4000 K, high output DALI, satiné

F51H04Q-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
310×310 mm	2378 lm	1394 lm
450×450 mm	4457 lm	2697 lm
600×600 mm	9257 lm	4771 lm
900×900 mm	18079 lm	9416 lm
1200×1200 mm	30542 lm	15263 lm

System Power (W)

	high output	low output	dynamic white
310×310 mm	21 W	12 W	21 W
450×450 mm	35 W	20 W	35 W
600×600 mm	66 W	33 W	66 W
900×900 mm	124 W	63 W	124 W
1200×1200 mm	221 W	106 W	221 W

Weight (kg)

310×310 mm	5,1 kg
450×450 mm	6,6 kg
600×600 mm	11,6 kg
900×900 mm	18,2 kg
1200×1200 mm	25,6 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
450×450 mm	4190 lm	2535 lm	4457 lm	2697 lm	3930 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
450×450 mm	4457 lm	2697 lm	3770 lm	2422 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

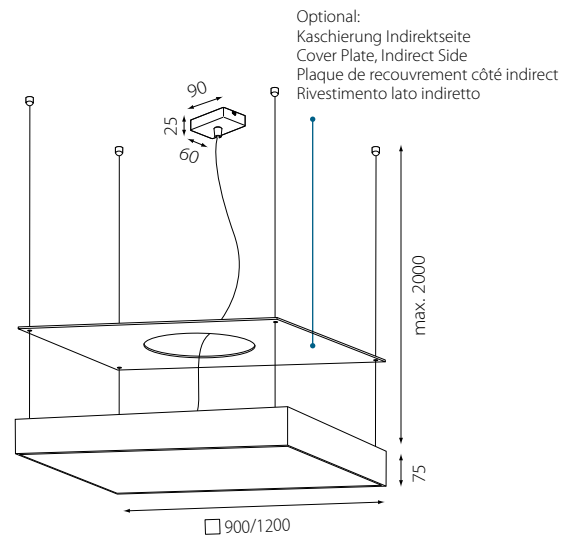
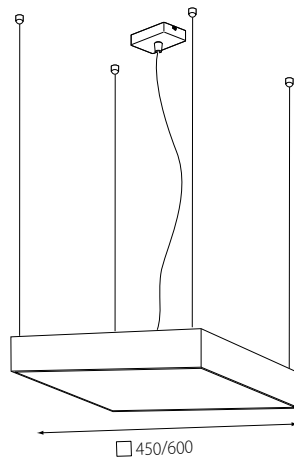
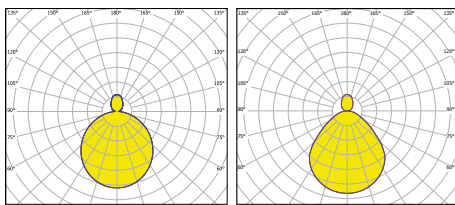
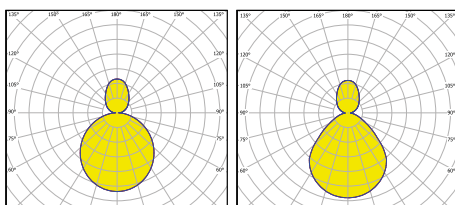
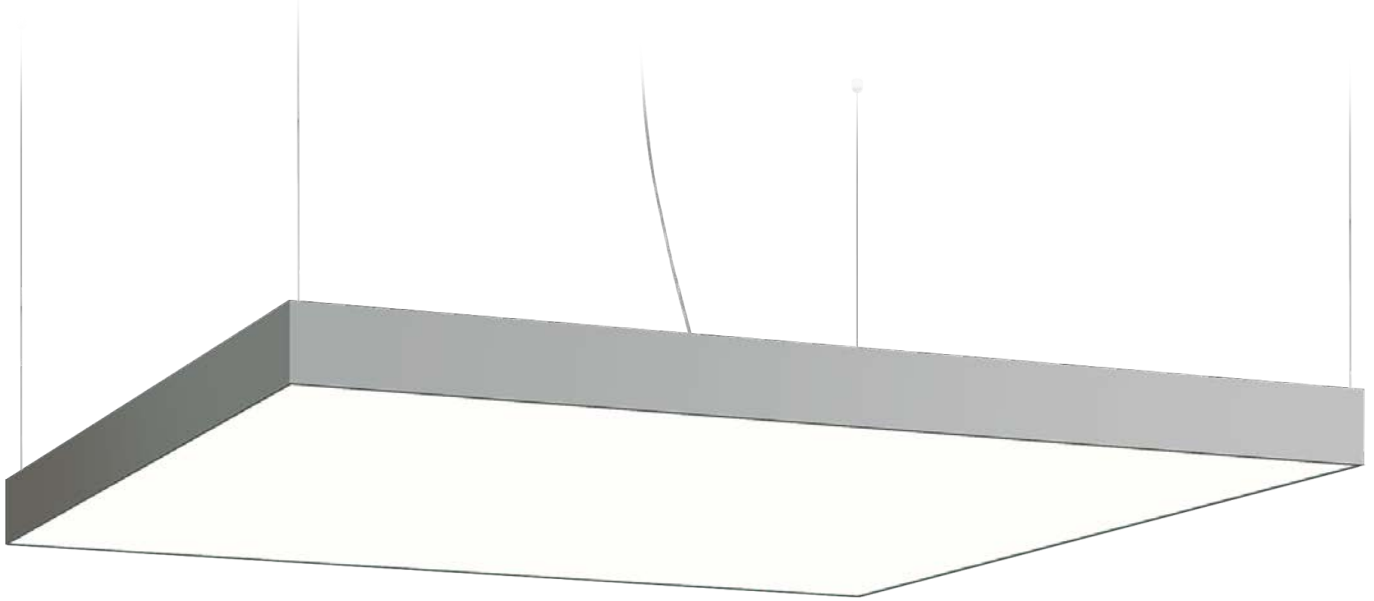
	white	F51-KAS-092-9016
900 mm Cover Plate, Indirect Side	silver	F51-KAS-092-9006
	black	F51-KAS-092-9005
1200 mm Cover Plate, Indirect Side	white	F51-KAS-122-9016
	silver	F51-KAS-122-9006
	black	F51-KAS-122-9005

Weight (kg)

900 mm Cover Plate	1,5 kg
1200 mm Cover Plate	3,2 kg

liha direct/indirect

Hängeleuchte | Pendant luminaire | Suspensions | Sospensione



A++ A

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K

up to 134lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct/indirect

satiné

microprism for reduced brightness (LRA)

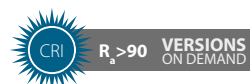
Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

7 cable colours

Central & Rod suspension



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Dimension

450×450 mm	04Q
600×600 mm	06Q
900×900 mm	09Q
1200×1200 mm	12Q

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

450×450 mm, white, 4000 K, high output DALI, satiné

F51H04Q-9016C2840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
450×450 mm	6337 lm	3832 lm
600×600 mm	12054 lm	7565 lm
900×900 mm	21863 lm	13200 lm
1200×1200 mm	34327 lm	19048 lm

System Power (W)

	high output	low output
450×450 mm	54 W	30 W
600×600 mm	92 W	59 W
900×900 mm	163 W	101 W
1200×1200 mm	258 W	144 W

Weight (kg)

450×450 mm	6,6 kg
600×600 mm	11,6 kg
900×900 mm	18,2 kg
1200×1200 mm	25,6 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K	
satiné	high output	low output	high output	low output
450×450 mm	5949 lm	3593 lm	6337 lm	3832 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
450×450 mm	6337 lm	3832 lm	5649 lm	3557 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

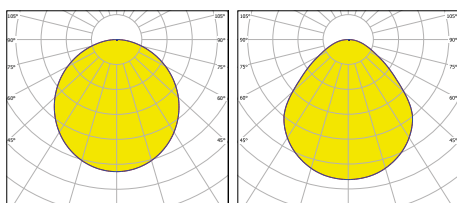
900 mm Cover Plate, Indirect Side	white	F51-KAS-092-9016
	silver	F51-KAS-092-9006
	black	F51-KAS-092-9005
1200 mm Cover Plate, Indirect Side	white	F51-KAS-122-9016
	silver	F51-KAS-122-9006
	black	F51-KAS-122-9005

Weight (kg)

900 mm Cover Plate	1,5 kg
1200 mm Cover Plate	3,2 kg

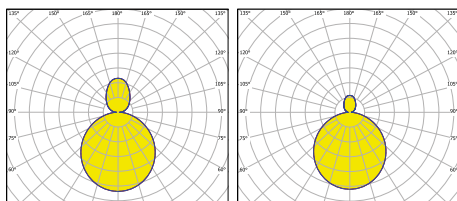
liha

Pende | Rod suspension | Suspensions rigide | Sospensione a tige rigido



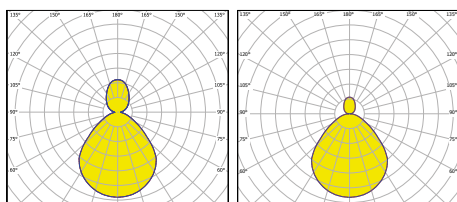
satiné direct

microprism direct



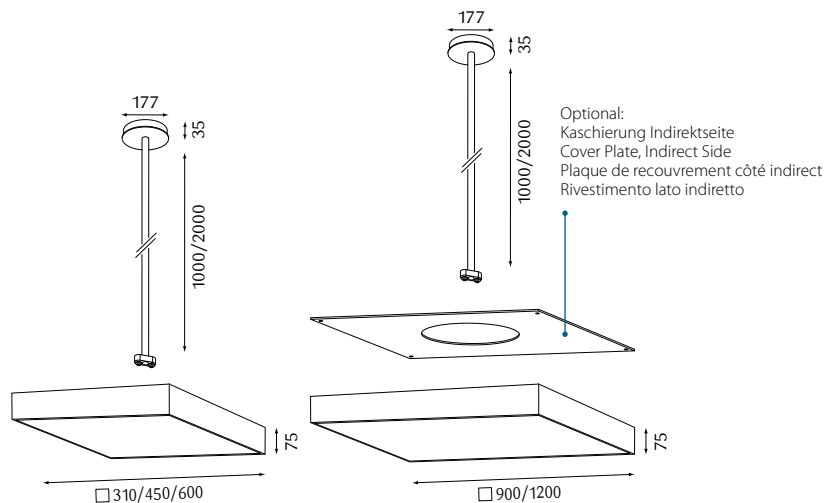
low output satiné di/id

high output satiné di/id



low output microprism di/id

high output microprism di/id



Optional:
Kaschierung Indirektseite
Cover Plate, Indirect Side
Plaque de recouvrement côté indirect
Rivestimento lato indiretto

A++ A

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 149lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct, direct/indirect

satiné

microprism for reduced brightness (LRA)

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

Central suspension

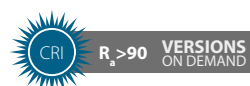
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

310×310 mm	03Q
450×450 mm	04Q
600×600 mm	06Q
900×900 mm	09Q
1200×1200 mm	12Q

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
high output DALI	H3
dynamic white (direct only)	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

450×450 mm, white, 4000 K, high output DALI, satiné

F51A04Q-9016C1840H3S

Luminous Flux (lm)	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
310×310 mm	2378 lm	1394 lm	-	-
450×450 mm	4457 lm	2697 lm	6337 lm	3832 lm
600×600 mm	9257 lm	4771 lm	12054 lm	7565 lm
900×900 mm	18079 lm	9416 lm	21863 lm	13200 lm
1200×1200 mm	30542 lm	15263 lm	34327 lm	19048 lm

System Power (W)	direct			direct / indirect	
	high output	low output	dynamic white	high output	low output
310×310 mm	21 W	12 W	21 W	-	-
450×450 mm	35 W	20 W	35 W	54 W	30 W
600×600 mm	66 W	33 W	66 W	92 W	59 W
900×900 mm	124 W	63 W	124 W	163 W	101 W
1200×1200 mm	221 W	106 W	221 W	258 W	144 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
450×450 mm direct	4190 lm	2535 lm	4457 lm	2697 lm	3930 lm
450×450 mm di / id	5949 lm	3593 lm	6337 lm	3832 lm	-

Weight (kg)

310×310 mm	5,1 kg
450×450 mm	6,6 kg
600×600 mm	11,6 kg
900×900 mm	18,2 kg
1200×1200 mm	25,6 kg

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
450×450 mm direct	4457 lm	2697 lm	3770 lm	2422 lm
450×450 mm di / id	6337 lm	3832 lm	5649 lm	3557 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

900 mm Cover Plate, Indirect Side	white	F51-KAS-092-9016
	silver	F51-KAS-092-9006
	black	F51-KAS-092-9005
1200 mm Cover Plate, Indirect Side	white	F51-KAS-122-9016
	silver	F51-KAS-122-9006
	black	F51-KAS-122-9005
1000 mm Rod Suspension	white	F50-PEN-100-9016
	silver	F50-PEN-100-9006
	black	F50-PEN-100-9005
2000 mm Rod Suspension	white	F50-PEN-200-9016
	silver	F50-PEN-200-9006
	black	F50-PEN-200-9005

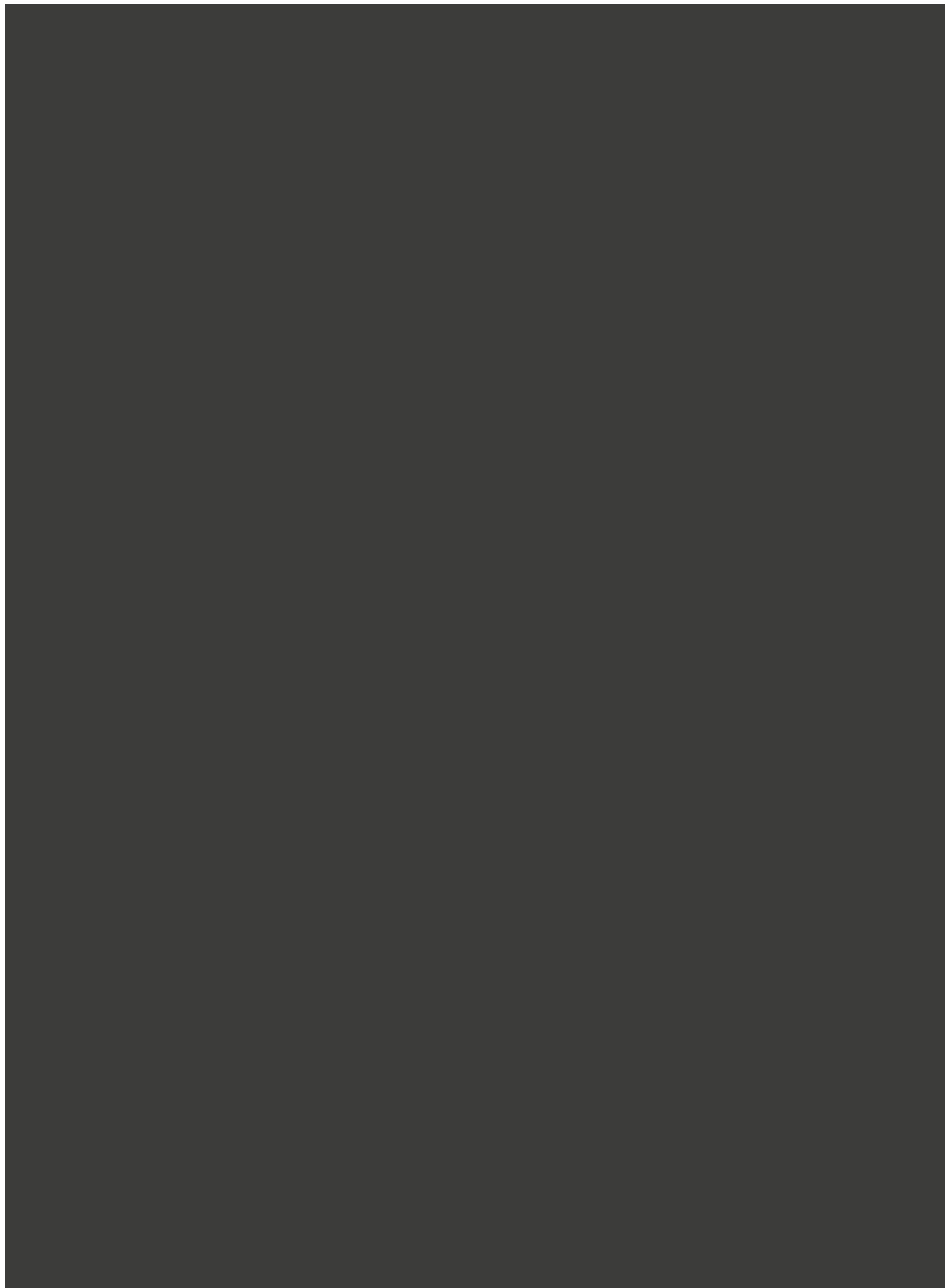
Weight (kg)

900 mm Cover Plate	1,5 kg
1200 mm Cover Plate	3,2 kg
1000 mm Rod Suspension	0,5 kg
2000 mm Rod Suspension	0,7 kg



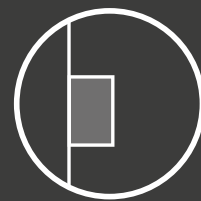


Brückengemeinde Heidenheim / Germany



WALL MOUNTED

WANDLEUCHTEN | APPLIQUES | APPLIQUE



p.forty

p. 252

pure 3

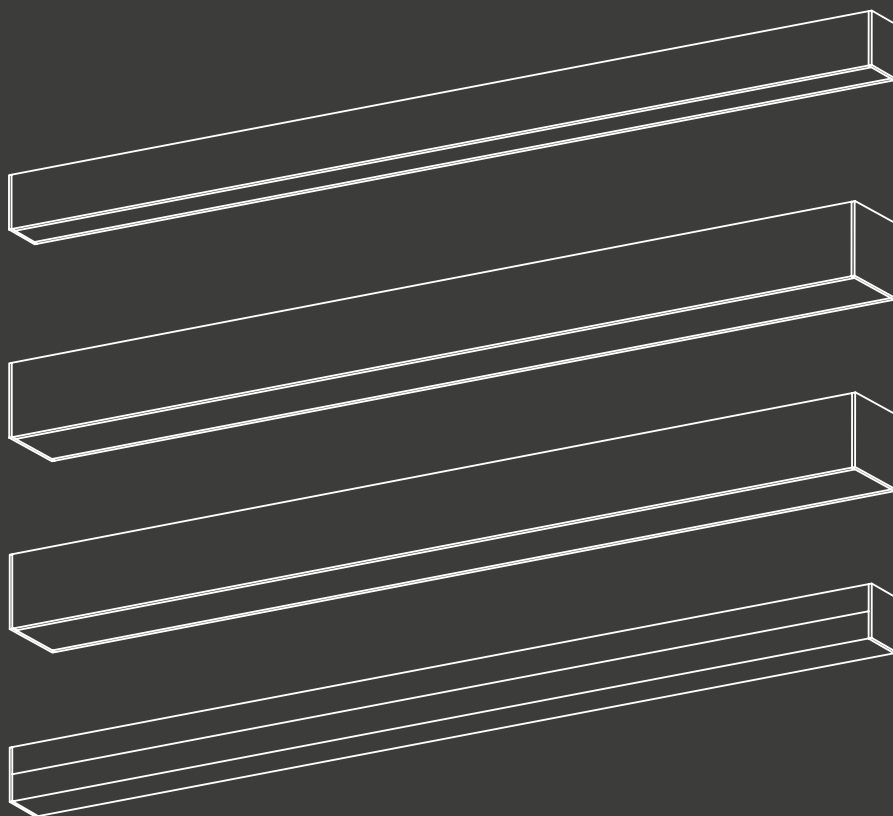
p. 256

pure 2 IP54

p. 260

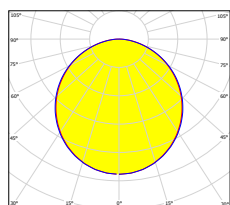
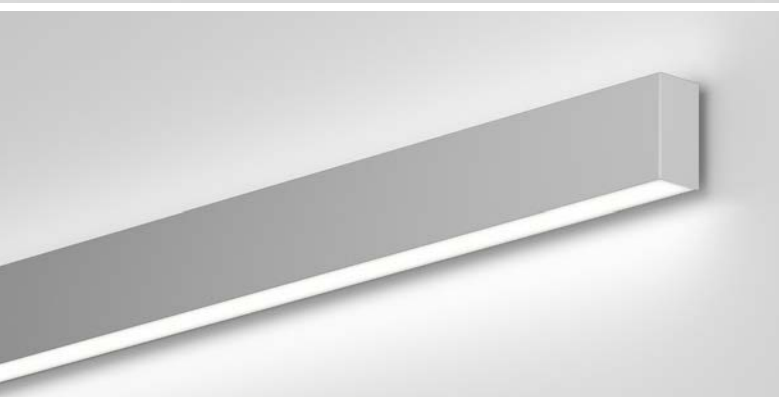
p.mini/p.mirror

p. 264

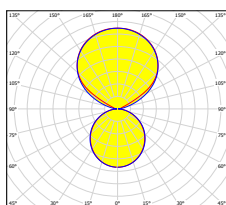


p.forty

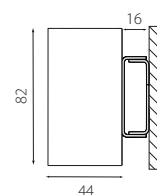
Wandleuchte | Wall luminaire | Applique



direct



direct/indirect



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 145 lm/W, up to 5950 lm/m

non-dim/DALI dim

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L80/50.000 h

Optic

direct

direct/indirect



$R_a > 90$

VERSIONS
ON DEMAND

Options

Emergency lighting 3 h (p. 447)

Motion and day-light sensor (p. 446)

RGBW indirect

RAL of your choice (p. 449)

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

574 mm	057
854 mm	085
1134 mm	113
1414 mm	141
1694 mm	169
2254 mm	225
2818 mm	281
3378 mm	337
4498 mm	449

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Exemple | Esempio

1414 mm, white, direct, 4000 K, high output DALI, satiné

P40W141 - 9016C1840H3S

Luminous Flux (lm)

4000 K satiné	direct		direct / indirect	
	high output	low output	high output	low output
574 mm	1360 lm	814 lm	3211 lm	1872 lm
854 mm	2080 lm	1230 lm	4884 lm	2826 lm
1134 mm	2879 lm	1664 lm	6692 lm	3816 lm
1414 mm	3606 lm	2075 lm	8277 lm	4750 lm
1694 mm	4362 lm	2469 lm	9510 lm	5604 lm
2254 mm	5757 lm	3329 lm	13385 lm	7632 lm
2818 mm	7211 lm	4150 lm	16554 lm	9499 lm
3378 mm	8724 lm	4938 lm	19020 lm	11208 lm
4498 mm	11514 lm	6657 lm	26769 lm	15263 lm

System Power (W)

	direct			direct / indirect		
	high output	low output	dyn. white	high output	low output	dyn. white
574 mm	13 W	8,2 W	14,5 W	25 W	14,5 W	-
854 mm	19 W	11,5 W	21 W	36 W	21 W	-
1134 mm	25 W	14,5 W	26 W	48 W	26 W	49 W
1414 mm	31 W	17,5 W	32 W	59 W	32 W	59 W
1694 mm	37 W	20 W	37 W	69 W	38 W	68 W
2254 mm	47 W	27 W	49 W	92 W	50 W	93 W
2818 mm	62 W	35 W	63 W	118 W	64 W	117 W
3378 mm	74 W	40 W	74 W	138 W	76 W	136 W
4498 mm	94 W	55 W	98 W	184 W	100 W	186 W

Weight (kg)

574 mm	2,1 kg
854 mm	2,8 kg
1134 mm	3,6 kg
1414 mm	4,1 kg
1694 mm	4,6 kg
2254 mm	5,7 kg
2818 mm	7,8 kg
3378 mm	9,1 kg
4498 mm	11,1 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

satiné	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700 K
1414 mm direct	3519 lm	2051 lm	3606 lm	2075 lm	3290 lm
1414 mm direct / indirect	8042 lm	4647 lm	8277 lm	4750 lm	7424 lm



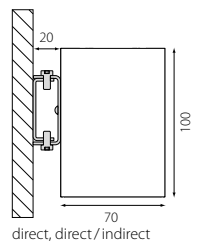
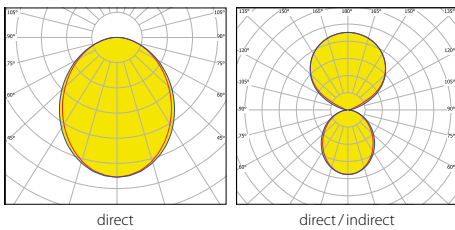
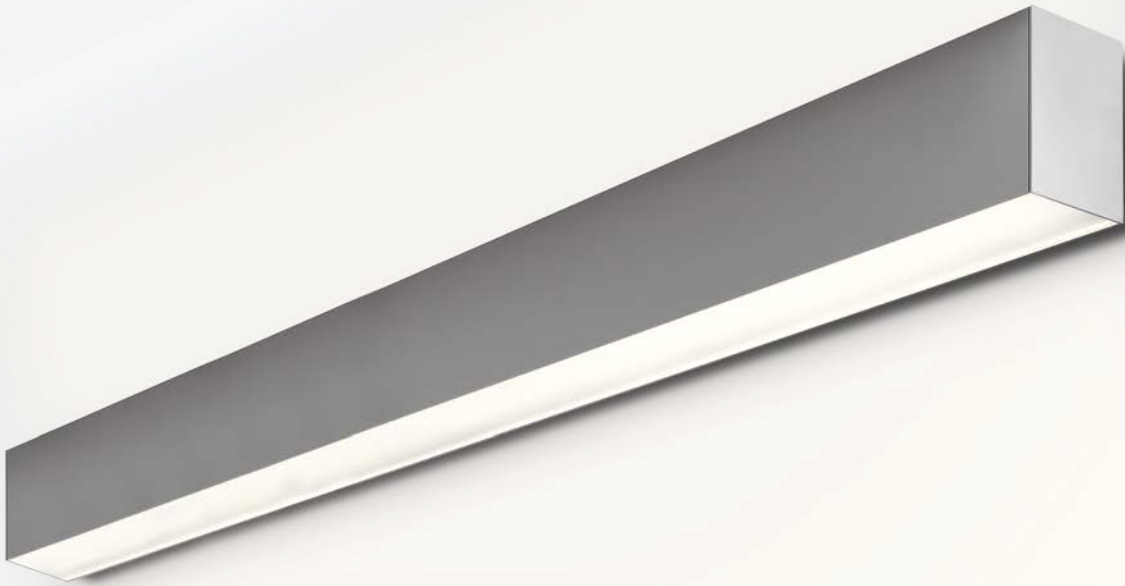




United Bankers / Finland
(Sampsa Pärnänen)

pure 3

Wandleuchte | Wall luminaire | Applique



A++ **A**

230V IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 134 lm/W, up to 6071 lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI dim

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L90/50.000h

Optic

direct

direct / indirect

satiné



Options

Emergency lighting 3h (p. 447)

Motion and day - light sensor (p. 446)

RGBW direct, indirect

RAL of your choice (p. 449)

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

574 mm	057
854 mm	085
1134 mm	113
1414 mm	141
1694 mm	169
2254 mm	225
2818 mm	281
3378 mm	337
4222 mm	422

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non - dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Exemple | Esempio

574 mm, white, direct, 4000 K, high output DALI

P33W057-9016E1840H3S

Luminous Flux (lm)

	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
574 mm	1365 lm	812 lm	3432 lm	1992 lm
854 mm	2045 lm	1192 lm	5148 lm	2988 lm
1134 mm	2767 lm	1597 lm	6924 lm	3973 lm
1414 mm	3434 lm	1962 lm	8522 lm	4975 lm
1694 mm	4225 lm	2404 lm	10226 lm	5970 lm
2254 mm	5692 lm	3127 lm	13848 lm	7950 lm
2818 mm	6868 lm	3923 lm	17044 lm	9950 lm
3378 mm	8450 lm	4807 lm	20452 lm	11940 lm
4222 mm	10303 lm	5885 lm	25566 lm	14925 lm

Weight (kg)

574 mm	3,0 kg
854 mm	3,9 kg
1134 mm	5,2 kg
1414 mm	6,1 kg
1694 mm	7,0 kg
2254 mm	8,8 kg
2818 mm	11,6 kg
3378 mm	13,6 kg
4222 mm	16,9 kg

System Power (W)

	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
574 mm	14 W	9 W	16 W	27 W	16 W	28 W
854 mm	21 W	12,5 W	23 W	39 W	22 W	40 W
1134 mm	27 W	16 W	28 W	53 W	29 W	54 W
1414 mm	33 W	19 W	34 W	64 W	36 W	66 W
1694 mm	40 W	22 W	40 W	76 W	42 W	77 W
2254 mm	53 W	29 W	54 W	106 W	55 W	108 W
2818 mm	67 W	38 W	68 W	127 W	72 W	131 W
3378 mm	80 W	45 W	81 W	152 W	84 W	155 W
4222 mm	100 W	57 W	102 W	191 W	107 W	197 W

COMPARE LIGHT COLOUR

Luminous Flux (lm)

satiné	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700 K
1414 mm direct	3335 lm	1911 lm	3434 lm	1962 lm	3104 lm
1414 mm di / id	8323 lm	4883 lm	8522 lm	4975 lm	7788 lm



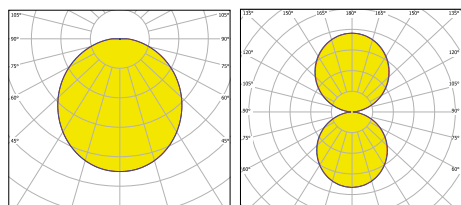




Sparkasse Eichstätt, Germany

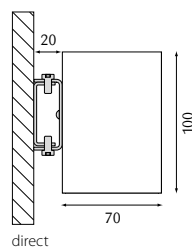
pure 2 IP54

Wandleuchte | Wall luminaire | Applique

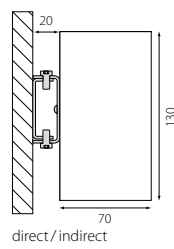


direct

direct/indirect



direct



direct/indirect

A++ **A**

230V IP54 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 107 lm/W, up to 5885 lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI dim

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L90/50.000h

Optic

direct

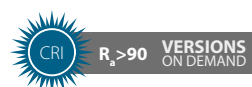
direct/indirect

satiné



Options

RAL of your choice (p. 449)



Housing

powder coated, anodised

A6CO

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

600 mm (direct only)	060
880 mm (direct only)	088
1160 mm	116
1440 mm	144
1720 mm	172

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 direct | direct / indirect

direct	1
direct / indirect	2

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Exemple | Esempio

600 mm, white, direct, 4000 K, DALI dim

P58W060 - 9016Q1840H3S

Luminous Flux (lm)

	direct		direct / indirect	
	high output	low output	high output	low output
4000 K satiné				
600 mm	1464 lm	800 lm	-	-
880 mm	2212 lm	1296 lm	-	-
1160 mm	2958 lm	1584 lm	6709 lm	3393 lm
1440 mm	3644 lm	1964 lm	8034 lm	4309 lm
1720 mm	4517 lm	2626 lm	9870 lm	5778 lm

Weight (kg)

600 mm	2,7 kg
880 mm	3,7 kg
1160 mm	4,2 kg
1440 mm	4,9 kg
1720 mm	6,0 kg

System Power (W)

	direct			direct / indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
600 mm	18 W	11 W	20 W	-	-	-
880 mm	26 W	16 W	29 W	-	-	-
1160 mm	34 W	20 W	36 W	70 W	38 W	70 W
1440 mm	42 W	24 W	43 W	83 W	47 W	85 W
1720 mm	51 W	28 W	51 W	99 W	55 W	101 W

COMPARE LIGHT COLOUR

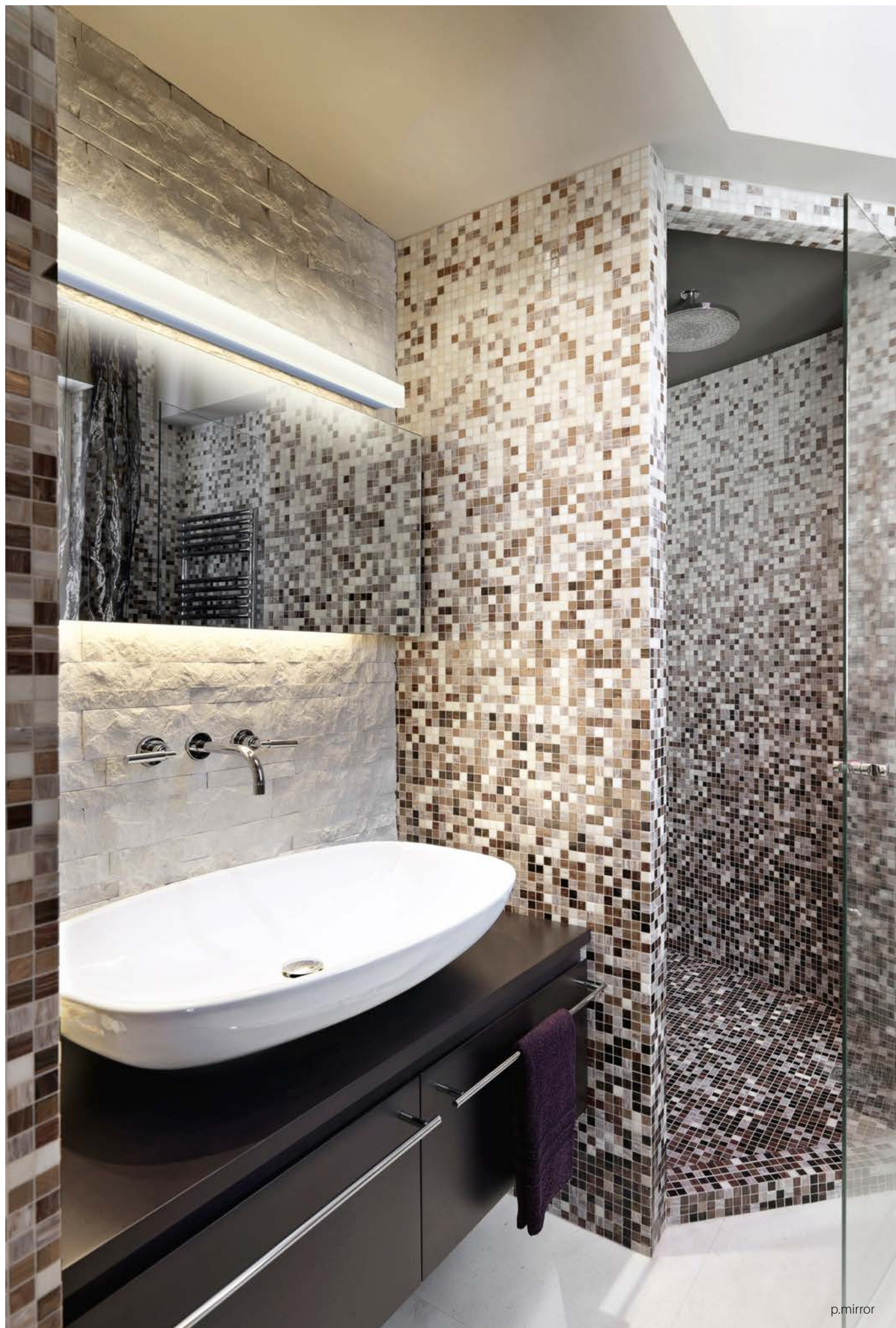
Luminous Flux (lm)

	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700 - 6500 K
satiné					
1440 mm direct	3541 lm	1905 lm	3644 lm	1964 lm	2974 lm
1440 mm direct / indirect	7799 lm	4182 lm	8034 lm	4309 lm	7318 lm





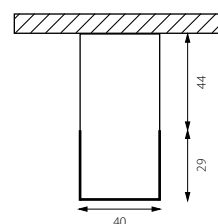
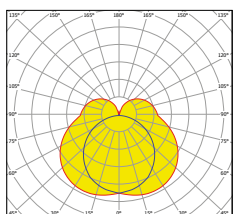
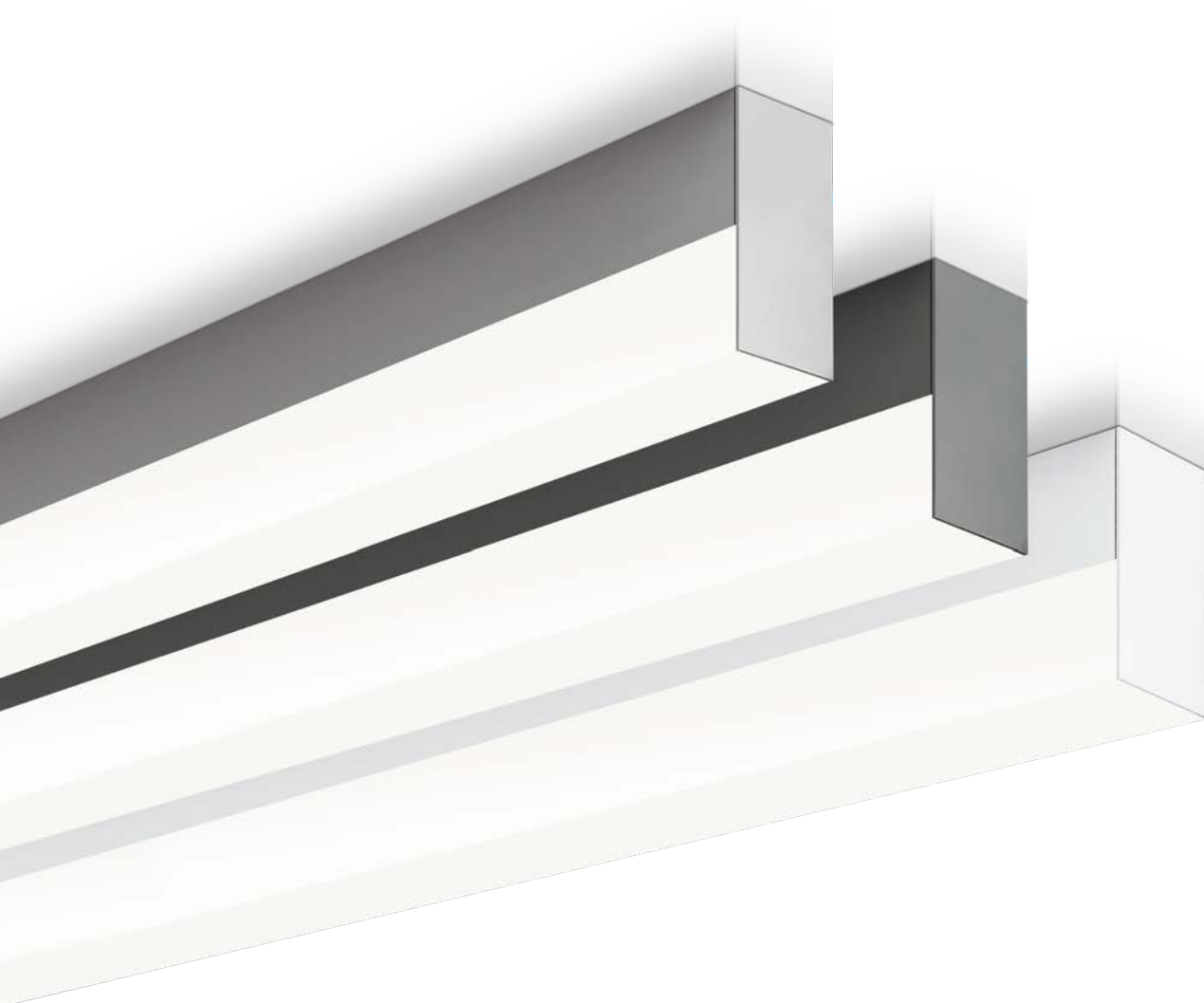
pure 2 IP54



p.mirror

p.mini IP20 & p.mirror IP44

Wandleuchte | Wall luminaire | Applique



A++ **A**

230V IP20/IP44 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K
up to 113 lm/W, up to 2011 lm/m
 $R_a > 80$, MacAdam 3
non-dim/DALI dim
IEC 62471: Blue light hazard: RG ≤ 1
Lifetime up to L80/50.000h

Optic

direct
satiné U

Options

RAL of your choice (p. 449)

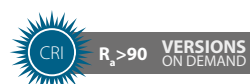
Housing

powder coated, anodised

A6C0

RAL 9016

RAL 9005



1 Länge | Length | Longueur | Lunghezza

p.mini IP20		p.mirror IP44	
580 mm	058	600 mm	060
860 mm	086	900 mm	090
1140 mm	114	1200 mm	120
1420 mm	142	1500 mm	150

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

aluminium anodised (A6C0)	A6C0
schwarz black noir nero (RAL 9005)	9005
weiß white blanc bianco (RAL 9016)	9016
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 p.mini	C
IP44 p.mirror	P

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

5 Output

low output non-dim	L1
low output DALI	L3

Beispiel | Example | Exemple | Esempio

p.mirror 580 mm, white, IP44, 4000 K, low output DALI, satiné

P67A058-9016P1840L3U

Luminous Flux (lm)

	3000 K	4000 K
580 / 600 mm	882 lm	928 lm
860 / 900 mm	1604 lm	1688 lm
1140 / 1200 mm	2139 lm	2252 lm
1420 / 1500 mm	2673 lm	2813 lm

System Power (W)

580 / 600 mm	12 W
860 / 900 mm	16 W
1140 / 1200 mm	21 W
1420 / 1500 mm	25 W

Weight (kg)

580 / 600 mm	1,2 kg
860 / 900 mm	1,6 kg
1140 / 1200 mm	2,2 kg
1420 / 1500 mm	2,5 kg





sinus
p. 292



sinus quiet
p. 294



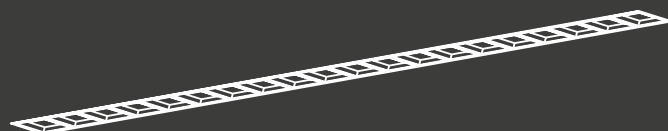
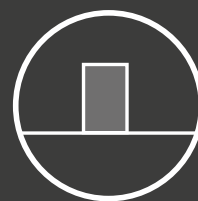
lili
p. 298



liha
p. 308

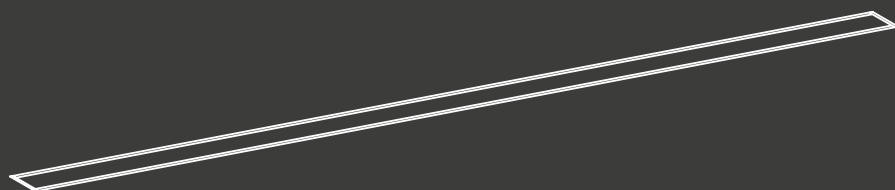
RECESSED

EINBAULEUCHTEN | LUMINAIRES ENCASTRÉS | DA INCASSO



quadro

p. 268



p.forty

p. 272



pure 3

p. 278

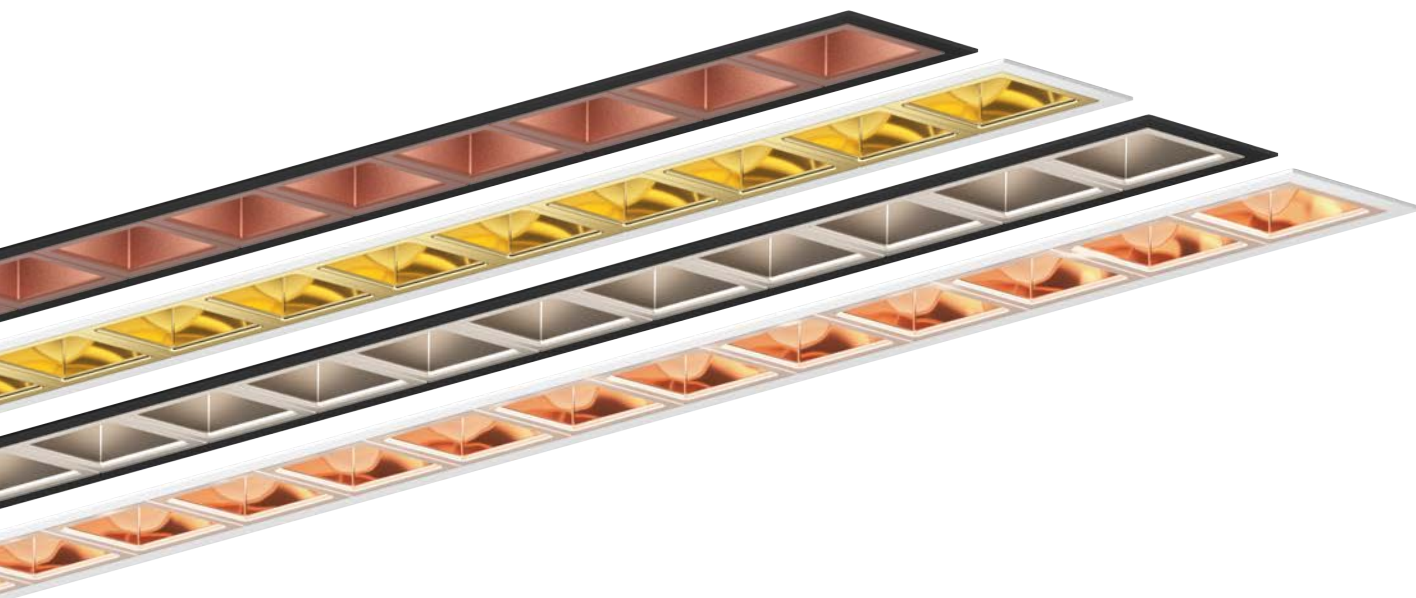


pure 2 IP54

p. 290

quadro

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



GOOD to know

quadro recessed
is **easy** to mount.
Watch video!

VIDEO
ONLINE



<https://www.planlicht.com>



Cut out ✂

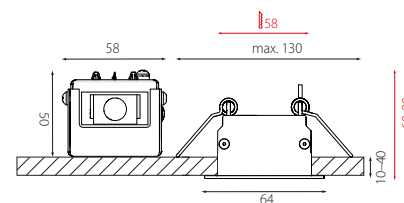
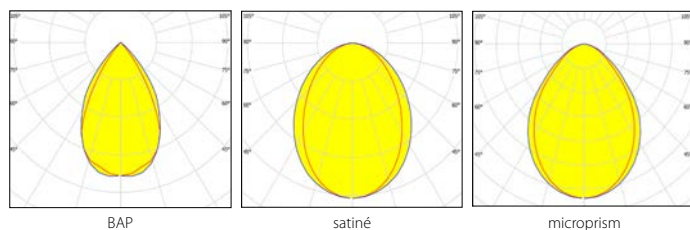
all lengths - 6mm

WIDTH

58 mm

↑ DEPTH

60-90 mm



Design: Roland Karrer

A++ **A**

230V IP20 $R_a > 80$ UGR < 16 up to L80/50.000h MacAdam 3 DALI switch DIM



LED

3000K, 4000K, dynamic white

up to 128 lm/W, up to 3867 lm/m

$R_a > 80$, UGR < 16, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG ≤ 1

Lifetime up to L80 / 50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

BAP louvre

Options

Emergency lighting 3h (p. 447)

Motion and day-light sensor (p. 446)

BAP louvre colours (p. 270)

RAL of your choice (p. 449)

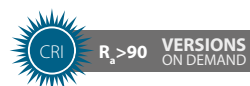
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Länge | Length | Longueur | Lunghezza

non Sensor		with Sensor	
576 mm	057		-
1136 mm	113	1161 mm	116
1416 mm	141	1441 mm	144
1696 mm	169		
2256 mm	225		

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

	non Sensor	with Sensor
low output non - dim	L1	-
low output DALI	L3	L7
high output DALI	H3	H7
dynamic white	X3	X7

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné *	S	BAP white (RAL 9016) *	W
microprism *	M	BAP black (RAL 9005)	N
BAP high-gloss silver	B	BAP glaring gold	D
BAP silver matte	P	BAP capital copper	R
BAP high-gloss gold	G	BAP gunnery grey	Y
BAP high-gloss copper	K	BAP black chrome matte	C
BAP louvre colours (p. 270)			

* Versions UGR > 19: satiné, microprism, BAP white

Beispiel | Example | Esempio

576 mm, white, 4000 K, high output DALI, BAP high-gloss silver

T65E057-9016C1840H3B

Luminous Flux (lm)

4000 K BAP silver matte	high output	low output
576 mm	2100 lm	1113 lm
1136 mm	4201 lm	2227 lm
1416 mm	5252 lm	2784 lm
1696 mm	6302 lm	3340 lm
2256 mm	8402 lm	4453 lm

System Power (W)

BAP silver matte	high output	low output	dynamic white
576 mm	21 W	10,5 W	22 W
1136 mm	40 W	20 W	42 W
1416 mm	50 W	25 W	52 W
1696 mm	60 W	30 W	62 W
2256 mm	79 W	40 W	83 W

Weight (kg)

576 mm	2,2 kg
1136 mm	2,8 kg
1416 mm	3,2 kg
1696 mm	3,8 kg
2256 mm	4,4 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
BAP silver matte	high output	low output	high output	low output	2700-6500 K
1416 mm	5099 lm	2702 lm	5252 lm	2784 lm	4640 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism		high-gloss silver		silver matte		high-gloss gold		high-gloss copper	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1416 mm	3811 lm	2264 lm	3556 lm	2069 lm	5414 lm	2870 lm	5252 lm	2784 lm	5089 lm	2697 lm	4965 lm	2631 lm

	BAP white		BAP black		glaring gold		capital copper		gunnery grey		black chrome matte	
	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output	high output	low output
1416 mm	4842 lm	2567 lm	2978 lm	1578 lm	3309 lm	1754 lm	3143 lm	1666 lm	3391 lm	1797 lm	3909 lm	2072 lm



white
9016



black
9005



glaring
gold



black chrome
matte



high-gloss
gold



gunnery
grey



high-gloss
copper



capital
copper



silver
matte



high-gloss
silver

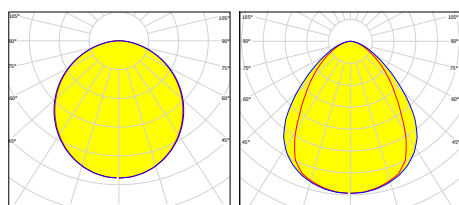
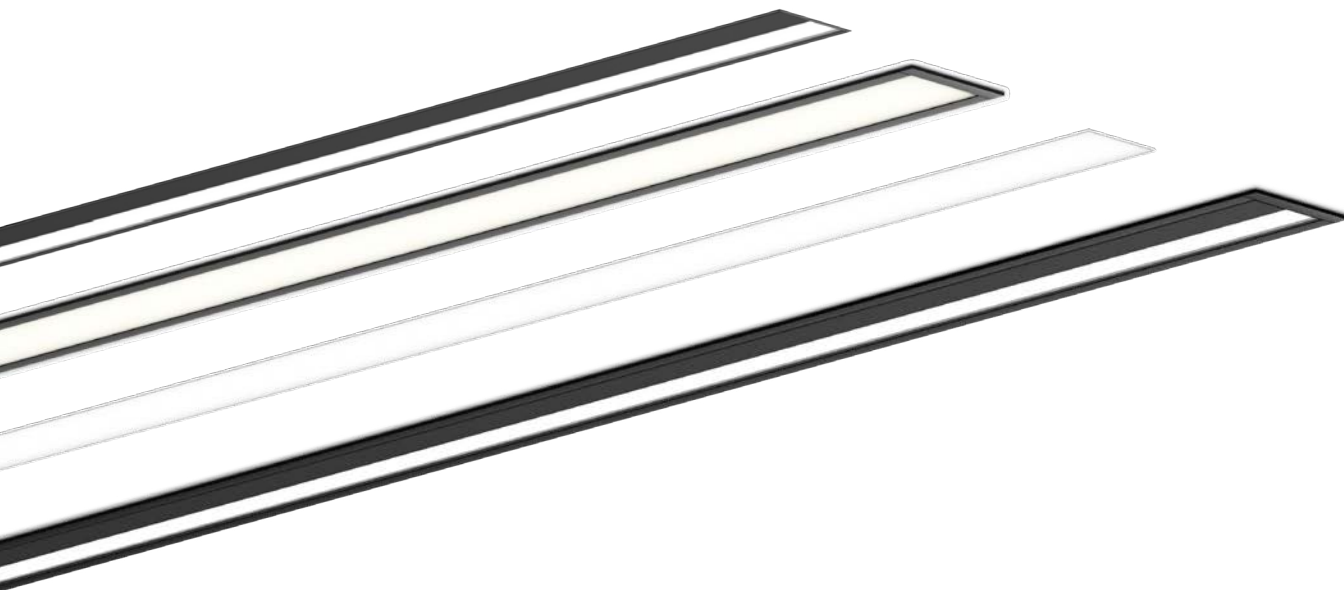


GOOD to know

quadro BAP louvre high gloss copper shifts light colours to warm - 4000 K board delivers 3605 K, 3000 K board 2790 K. So close to **2700 K** or **3500 K** solutions can be done easily with this louvre application.

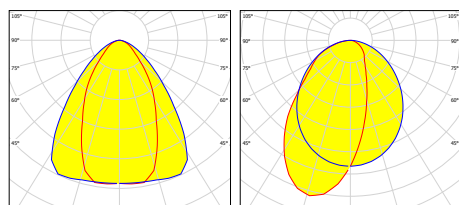
p.forty

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



satiné

microprism



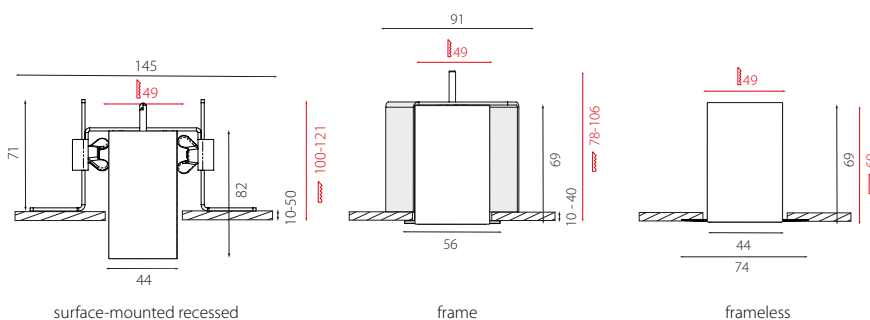
extra comfort

asymmetric



Cut out ✂

	WIDTH	DEPTH
frame: all lengths - 5 mm	49 mm	78-106 mm
frameless: all lengths + 5 mm	49 mm	68 mm
surface-mounted recessed:	49 mm	100-121 mm



surface-mounted recessed

frame

frameless



230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 163 lm/W, up to 2986 lm/m

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: $RG \leq 1$

Lifetime up to L80/50.000h

Optic

direct

satiné & microprism for reduced brightness
extra comfort microprism for reduced glare ratio ($UGR < 19$)

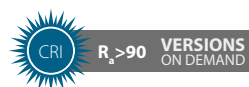
asymmetric cover

Options

Emergency lighting 3h (p. 447)

Motion and day-light sensor (p. 446)

RAL of your choice (p. 449)



Housing

powder coated, anodised

A6C0

RAL 9006

RAL 9016

RAL 9005

1 Montageart | Mounting | Montage | Montaggio

frame	E
frameless	F
surface-mounted recessed	A

2 Länge | Length | Longueur | Lunghezza

frame (E)		frameless (F) & surface-mounted recessed (A)	
586 mm	058	571 mm	057
866 mm	086	851 mm	085
1146 mm	114	1131 mm	113
1426 mm	142	1411 mm	141
1706 mm	170	1691 mm	169
2266 mm	226	2251 mm	225
2830 mm	283	2815 mm	281
3390 mm	339	3375 mm	337
4510 mm	451	4495 mm	449

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

aluminium (A6C0) (frameless only)	A6C0
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
silber silver argent argento (RAL 9006)	9006
RAL colours on request (p. 449)	

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
extra comfort (low output only)	E

Beispiel | Example | Exemple | Esempio

frame, 586 mm, white, 4000 K, high output DALI, satiné

P40E058-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
571 / 586 mm	1360 lm	814 lm
851 / 866 mm	2080 lm	1230 lm
1131 / 1146 mm	2879 lm	1664 lm
1411 / 1426 mm	3606 lm	2075 lm
1691 / 1706 mm	4362 lm	2469 lm
2251 / 2266 mm	5757 lm	3329 lm
2815 / 2830 mm	7211 lm	4150 lm
3375 / 3390 mm	8724 lm	4938 lm
4495 / 4510 mm	11514 lm	6657 lm

System Power (W)

4000 K satiné	high output	low output	dynamic white
571 / 586 mm	13 W	8,2 W	14,5 W
851 / 866 mm	19 W	11,5 W	21 W
1131 / 1146 mm	25 W	14,5 W	26 W
1411 / 1426 mm	31 W	17,5 W	32 W
1691 / 1706 mm	37 W	20 W	37 W
2251 / 2266 mm	47 W	27 W	49 W
2815 / 2830 mm	62 W	35 W	63 W
3375 / 3390 mm	74 W	40 W	74 W
4495 / 4510 mm	94 W	55 W	98 W

Weight (kg)

571 / 586 mm	1,6 kg
851 / 866 mm	1,9 kg
1131 / 1146 mm	2,4 kg
1411 / 1426 mm	3,2 kg
1691 / 1706 mm	3,7 kg
2251 / 2266 mm	4,5 kg
2815 / 2830 mm	6,3 kg
3375 / 3390 mm	7,2 kg
4495 / 4510 mm	9,0 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
1411 mm	3519 lm	2051 lm	3606 lm	2075 lm	3290 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism*		extra comfort		asymmetric	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output
1411 mm	3606 lm	2075 lm	3747 lm	2153 lm	-	2413 lm	3214 lm	1849 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5 % Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5 % luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).





United Bankers / Finland





Noble Style, Graz / Austria

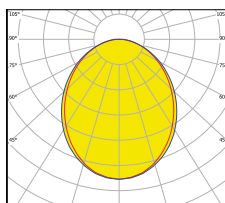
pure 3 frame

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso

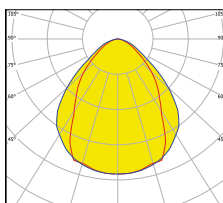


Cut out ✂

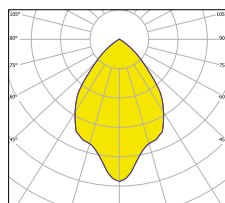
	WIDTH	↑ DEPTH
all lengths - 9 mm	77 mm	90 - 118 mm



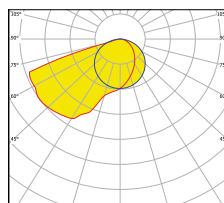
satiné



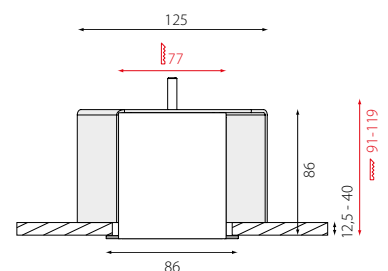
microprism



BAP



asymmetric



A++ **A**

230V IP20 IP40 BAP $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 120lm/W, up to 2990lm/m
 $R_a > 80$, MacAdam 3
non-dim / DALI
IEC 62471: Blue light hazard: $RG \leq 1$
Lifetime up to L90 / 50.000h

Optic

direct
satiné
microprism for reduced glare ratio (UGR < 19)
asymmetric
BAP louvre

Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
RAL of your choice (p. 449)
RGBW (satiné & microprisma)



Housing

powder coated
RAL 9006
RAL 9016
RAL 9005

1 Länge | Length | Longueur | Lunghezza

		asymmetric		BAP	
590 mm	059	589 mm	057	-	-
870 mm	087	869 mm	085	-	-
1150 mm	115	1149 mm	113	1171 mm	117
1430 mm	143	1429 mm	141	1451 mm	145
1710 mm	171	1709 mm	169	-	-
2270 mm	227	2275 mm	225	2317 mm	231
2834 mm	283	2835 mm	281	2877 mm	287
3394 mm	339	3395 mm	337	3463 mm	346
4238 mm	423	4239 mm	422	4303 mm	430

Bandlösungen | Customized solutions | Solutions sur mesure | Sistema lineare p. 322

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
BAP louver	C

Beispiel | Example | Esempio

590 mm, white, 4000 K, high output DALI, satiné

P33E059-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
590 mm	1365 lm	812 lm
870 mm	2045 lm	1192 lm
1150 mm	2767 lm	1597 lm
1430 mm	3434 lm	1962 lm
1710 mm	4225 lm	2404 lm
2270 mm	5692 lm	3127 lm
2834 mm	6868 lm	3923 lm
3394 mm	8450 lm	4807 lm
4238 mm	10303 lm	5885 lm

System Power (W)

	high output	low output	dynamic white
589/590 mm	14 W	9 W	16 W
869/870 mm	21 W	12,5 W	23 W
1149 - 1171 mm	27 W	16 W	28 W
1429 - 1451 mm	33 W	19 W	34 W
1709/1710 mm	40 W	22 W	40 W
2270 - 2317 mm	53 W	29 W	54 W
2834 - 2877 mm	67 W	38 W	68 W
3394 - 3463 mm	80 W	45 W	81 W
4238 - 4303 mm	100 W	57 W	102 W

Weight (kg)

589/590 mm	2,1 kg
869/870 mm	3,1 kg
1149 - 1171 mm	4,1 kg
1429 - 1451 mm	5,1 kg
1709/1710 mm	6,1 kg
2270 - 2317 mm	8,2 kg
2834 - 2877 mm	10,2 kg
3394 - 3463 mm	12,7 kg
4238 - 4303 mm	15,2 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K	4000 K	dynamic white
satiné	high output	low output	high output
1430 mm	3335 lm	1911 lm	3434 lm
			1962 lm
			2700-6500 K
			3104 lm



COMPARE COVER

Luminous Flux (lm)	satiné	microprism*	BAP louver	asymmetric
4000 K	high output	low output	high output	low output
1429 - 1451 mm	3434 lm	1962 lm	3653 lm	2134 lm
			4185 lm	2393 lm
			3533 lm	1857 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satiniertem Folie zur Erhöhung der Homogenität geliefert (-9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satined foil for increased homogeneity (-9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9,5% del flusso luminoso).





New Relic / Ireland (Donal Murphy)

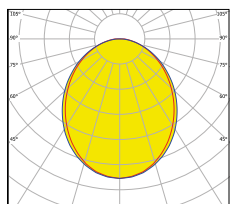
pure 3 frameless

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso

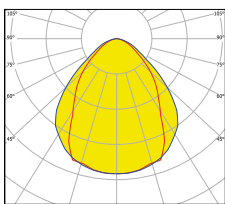


Cut out ✂

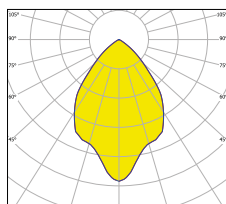
	WIDTH	DEPTH
all lengths + 1 mm	75 mm	85 mm



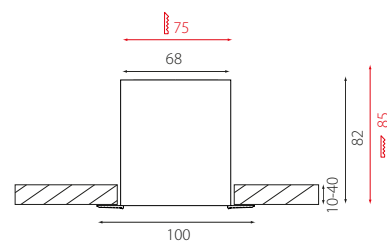
satiné



microprism



BAP



A++ **A**

230V IP20 IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white
up to 120lm/W, up to 2990lm/m
 $R_a > 80$, MacAdam 3
non-dim / DALI
IEC 62471: Blue light hazard: $RG \leq 1$
Lifetime up to L90 / 50.000h

Optic

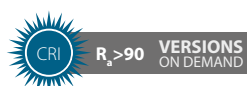
direct
satiné
microprism for reduced brightness
BAP louvre

Options

Emergency lighting 3h (p. 447)
Motion and day-light sensor (p. 446)
RGBW (satiné & microprisma)

Housing

aluminium natur



1 Länge | Length | Longueur | Lunghezza

satiné / microprism		BAP	
574 mm	057	-	-
854 mm	085	-	-
1134 mm	113	1134 mm	113
1414 mm	141	1414 mm	141
1710 mm	171	-	-
2254 mm	225	2259 mm	225
2818 mm	281	2819 mm	281
3378 mm	337	3384 mm	338
4222 mm	422	4220 mm	422

2 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 (BAP only)	C
IP40 (satiné & microprism only)	E

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
BAP louver	B

Beispiel | Example | Esempio

574 mm, 4000 K, high output DALI, satiné

P33F057-ALUBE1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
574 mm	1365 lm	812 lm
854 mm	2045 lm	1192 lm
1134 mm	2767 lm	1597 lm
1414 mm	3434 lm	1962 lm
1710 mm	4225 lm	2404 lm
2254 mm	5692 lm	3127 lm
2818 mm	6868 lm	3923 lm
3378 mm	8450 lm	4807 lm
4222 mm	10303 lm	5885 lm

System Power (W)

	high output	low output	dynamic white
574 mm	14 W	9 W	16 W
854 mm	21 W	12,5 W	23 W
1134 mm	27 W	16 W	28 W
1414 mm	33 W	19 W	34 W
1710 mm	40 W	22 W	40 W
2254 / 2259 mm	53 W	29 W	54 W
2818 / 2819 mm	67 W	38 W	68 W
3378 / 3384 mm	80 W	45 W	81 W
4220 / 4222 mm	100 W	57 W	102 W

Weight (kg)

574 mm	1,8 kg
854 mm	2,4 kg
1134 mm	3,8 kg
1414 mm	4,7 kg
1710 mm	4,8 kg
2254 / 2259 mm	7,5 kg
2818 / 2819 mm	9,4 kg
3378 / 3384 mm	11,3 kg
4220 / 4222 mm	14,0 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)		3000 K	4000 K		dynamic white
satiné		high output	low output	high output	low output
1414 mm		3335 lm	1911 lm	3434 lm	1962 lm
					2700 - 6500 K
					3104 lm

COMPARE COVER

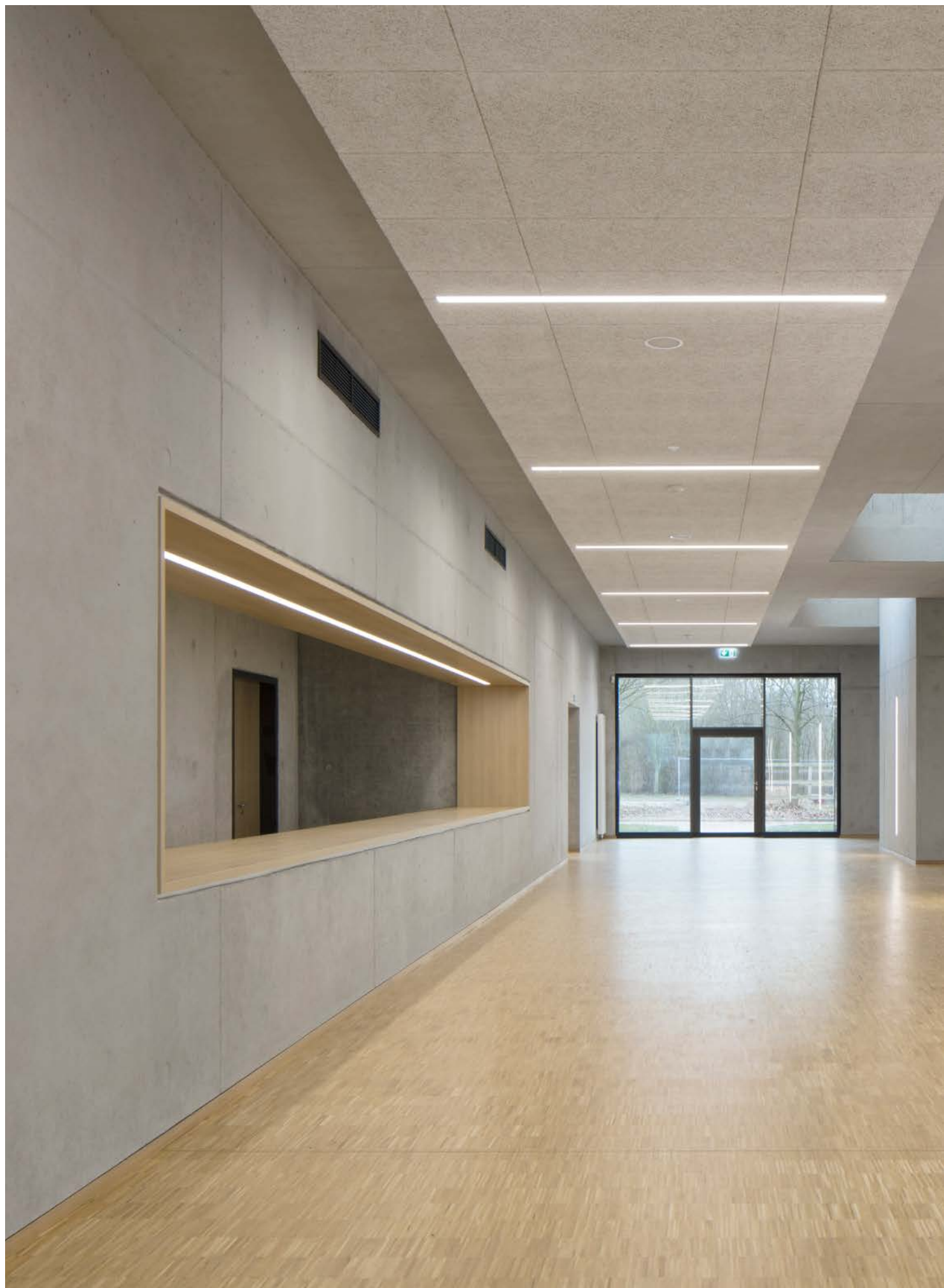
Luminous Flux (lm)	satiné		microprism*		BAP louver	
4000 K	high output	low output	high output	low output	high output	low output
1414mm	3434lm	1962lm	3653lm	2134lm	4185lm	2393lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9,5% del flusso luminoso).

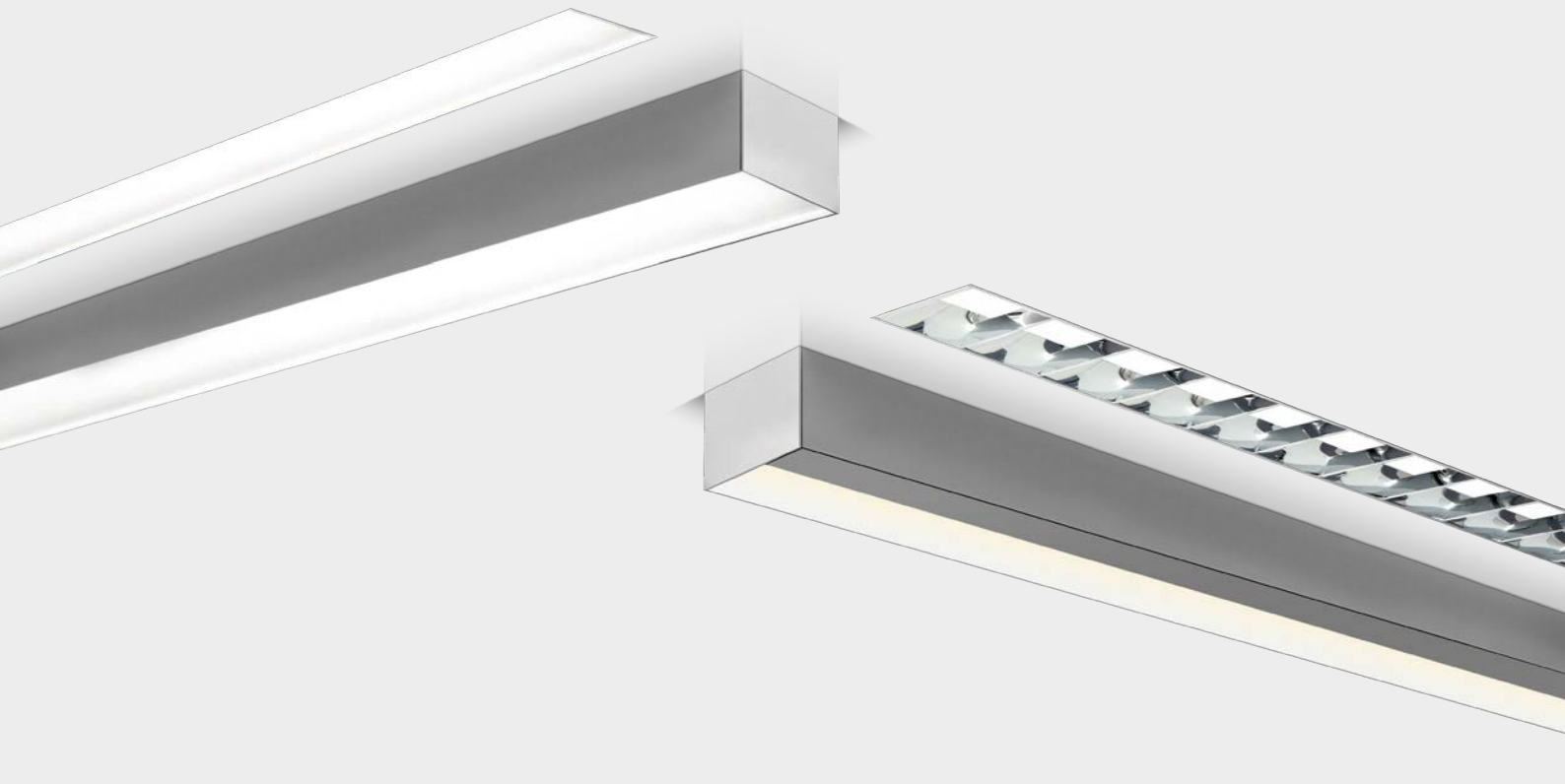




Berufsbildende Schule Neustadt am Rübenberge / Germany

pure 3

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



Cut out ✂

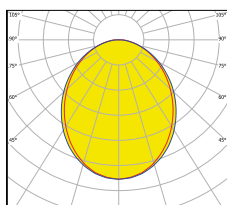
all lengths + 5 mm

WIDTH

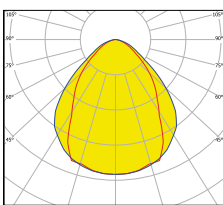
75 mm

↑ DEPTH

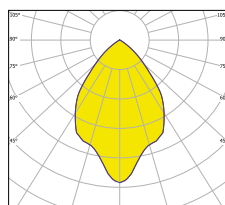
115 mm



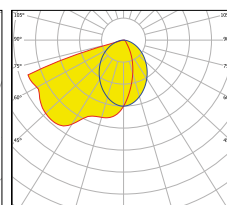
satiné



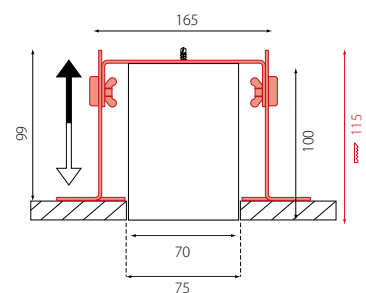
microprism



BAP



asymmetric



A++ A

230V IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 120lm/W, up to 2990lm/m

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG≤1

Lifetime up to L90 / 50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

asymmetric

BAP

Options

Emergency lighting 3h (p. 447)

Motion and day-light sensor (p. 446)

RAL of your choice (p. 449)



Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

1 Länge | Length | Longueur | Lunghezza

		asymmetric		BAP	
574 mm	057	573 mm	057	-	-
854 mm	085	853 mm	085	-	-
1134 mm	113	1133 mm	113	1134 mm	113
1414 mm	141	1413 mm	141	1414 mm	141
1694 mm	169	1693 mm	169	-	-
2254 mm	225	2259 mm	225	2259 mm	225
2818 mm	281	2819 mm	281	2819 mm	281
3378 mm	337	3379 mm	337	3384 mm	338
4222 mm	422	4223 mm	422	4220 mm	422

Bandlösungen | Customized solutions | Solutions sur mesure | Sistema lineare p. 322

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Schutzart | Protection rating | Indice de protection | Grado di protezione

IP20 (BAP & asymmetric only)	C
IP40 (satiné & microprism only)	E

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

6 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M
asymmetric	A
BAP louver	B

Beispiel | Example | Exemple | Esempio

574 mm, white, IP40, 4000 K, high output DALI, satiné

P33A057-9016E1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
574 mm	1365 lm	812 lm
854 mm	2045 lm	1192 lm
1134 mm	2767 lm	1597 lm
1414 mm	3434 lm	1962 lm
1694 mm	4225 lm	2404 lm
2254 mm	5692 lm	3127 lm
2818 mm	6868 lm	3923 lm
3378 mm	8450 lm	4807 lm
4222 mm	10303 lm	5885 lm

System Power (W)

	high output	low output	dynamic white
573/574 mm	14 W	9 W	16 W
853/854 mm	21 W	12,5 W	23 W
1133/1134 mm	27 W	16 W	28 W
1413/1414 mm	33 W	19 W	34 W
1693/1694 mm	40 W	22 W	40 W
2254/2259 mm	53 W	29 W	54 W
2818/2819 mm	67 W	38 W	68 W
3378-3384 mm	80 W	45 W	81 W
4220-4223 mm	100 W	57 W	102 W

Weight (kg)

573/574 mm	2,0 kg
853/854 mm	3,0 kg
1133/1134 mm	3,9 kg
1413/1414 mm	4,9 kg
1693/1694 mm	5,9 kg
2254/2259 mm	7,8 kg
2818/2819 mm	9,7 kg
3378-3384 mm	11,6 kg
4220-4223 mm	14,5 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
1414 mm	3335 lm	1911 lm	3434 lm	1962 lm	3104 lm



COMPARE COVER

Luminous Flux (lm)	satiné		microprism*		BAP louver		asymmetric	
4000 K	high output	low output	high output	low output	high output	low output	high output	low output
1413/1414mm	3434lm	1962lm	3653lm	2134lm	4185 lm	2393lm	3533lm	1857lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5 % Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5 % luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con un foglio satinato per ottimizzare l'omogeneità (-9.5% del flusso luminoso).

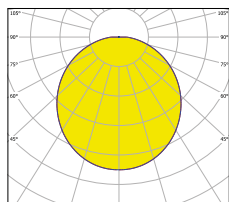




Berufsbildende Schule Neustadt am Rübenberge / Germany

pure 2 frame IP54

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso

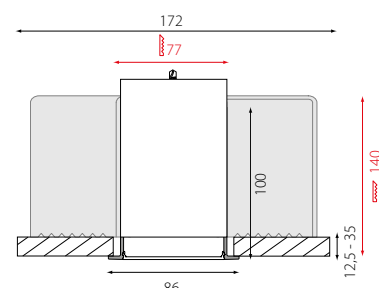


Cut out ✂

all lengths - 10 mm

WIDTH
77 mm

↑ DEPTH
140 mm



A++ **A**

230V IP54 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 91 lm/W, up to 2668 lm/m

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L90 / 50.000h

Optic

direct

satiné

Options

RAL of your choice (p. 449)

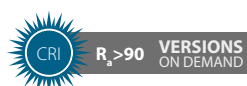
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Länge | Length | Longueur | Lunghezza

614 mm	060
894 mm	088
1174 mm	116
1454 mm	144
1734 mm	172
2294 mm	228
2854 mm	284
3414 mm	340
4534 mm	424

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

Beispiel | Example | Esempio

614 mm, white, 4000 K, high output DALI

P58E061-9016Q1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
614 mm	1464 lm	800 lm
894 mm	2212 lm	1296 lm
1174 mm	2958 lm	2584 lm
1454 mm	3644 lm	1964 lm
1734 mm	4517 lm	2626 lm
2294 mm	6115 lm	3422 lm
2854 mm	7288 lm	3928 lm
3414 mm	9034 lm	5252 lm
4534 mm	12230 lm	5892 lm

System Power (W)

	high output	low output	dynamic white
614 mm	18 W	11 W	20 W
894 mm	26 W	16 W	29 W
1174 mm	34 W	20 W	36 W
1454 mm	44 W	24 W	43 W
1734 mm	51 W	28 W	51 W
2294 mm	67 W	36 W	68 W
2854 mm	84 W	48 W	86 W
3414 mm	101 W	56 W	102 W
4534 mm	135 W	73 W	136 W

Weight (kg)

614 mm	2,4 kg
894 mm	3,2 kg
1174 mm	4,1 kg
1454 mm	5,4 kg
1734 mm	6,3 kg
2294 mm	8,0 kg
2854 mm	11,2 kg
3414 mm	13,0 kg
4534 mm	16,5 kg

COMPARE LIGHT COLOUR

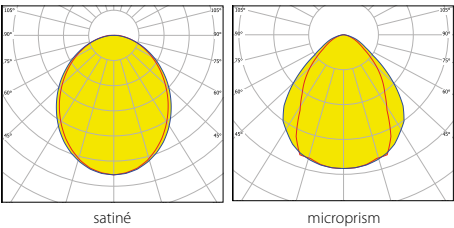
Luminous Flux (lm)

	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
1454 mm	3541 lm	1905 lm	3644 lm	1964 lm	2974 lm



sinus frame

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



Cut out ✂		
DIMENSION	ø DIAMETER	↑ DEPTH
ø 1190 mm	ø 1181 / 1027 mm	90 mm
ø 1546 mm	ø 1537 / 1383 mm	90 mm
ø 2966 mm	ø 2957 / 2803 mm	90 mm
ø 5806 mm	ø 5797 / 5643 mm	90 mm

A++ A

230V IP40 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM       

LED
3000 K, 4000 K, dynamic white
up to 120 lm/W
 $R_a > 80$, MacAdam 3
non-dim / DALI
IEC 62471: Blue light hazard: $RG \leq 1$
Lifetime up to L90 / 50.000 h

Optic
direct
satiné
microprism for reduced brightness (LRA)

Options
Emergency lighting 3 h (p. 447)
RAL of your choice (p. 449)

Housing
powder coated
RAL 9006 
RAL 9016 
RAL 9005 



1 Dimension

ø 1190 mm	119
ø 1546 mm	154
ø 2966 mm	296
ø 5806 mm	580

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Esempio

ø 1190 mm, white, 4000 K, high output DALI, satiné

R33E119-9016E1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 1190 mm	8180 lm	4768 lm
ø 1546 mm	11068 lm	6388 lm
ø 2966 mm	22768 lm	12508 lm
ø 5806 mm	45536 lm	25016 lm

System Power (W)

	high output	low output	dynamic white
ø 1190 mm	83 W	51 W	90 W
ø 1546 mm	108 W	63 W	112 W
ø 2966 mm	213 W	116 W	215 W
ø 5806 mm	426 W	231 W	430 W

Weight (kg)

ø 1190 mm	12,8 kg
ø 1546 mm	16,7 kg
ø 2966 mm	32,2 kg
ø 5806 mm	63,1 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
ø 1546 mm	10748 lm	6208 lm	11068 lm	6388 lm	10095 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (-9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (-9.5% luminous flux).

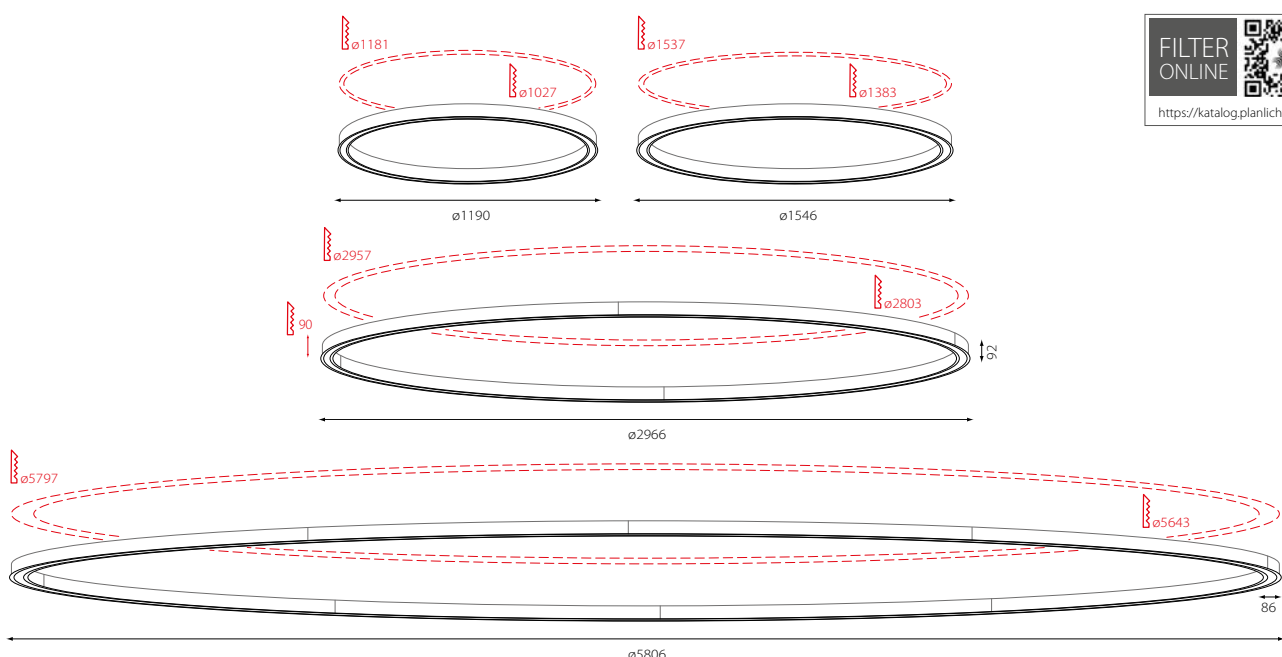
* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (-9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9,5% del flusso luminoso).

COMPARE COVER

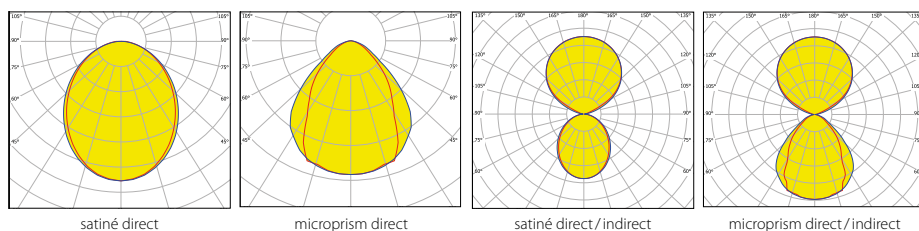
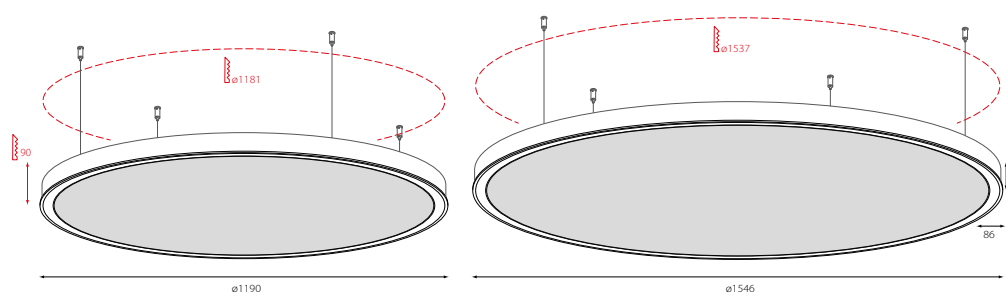
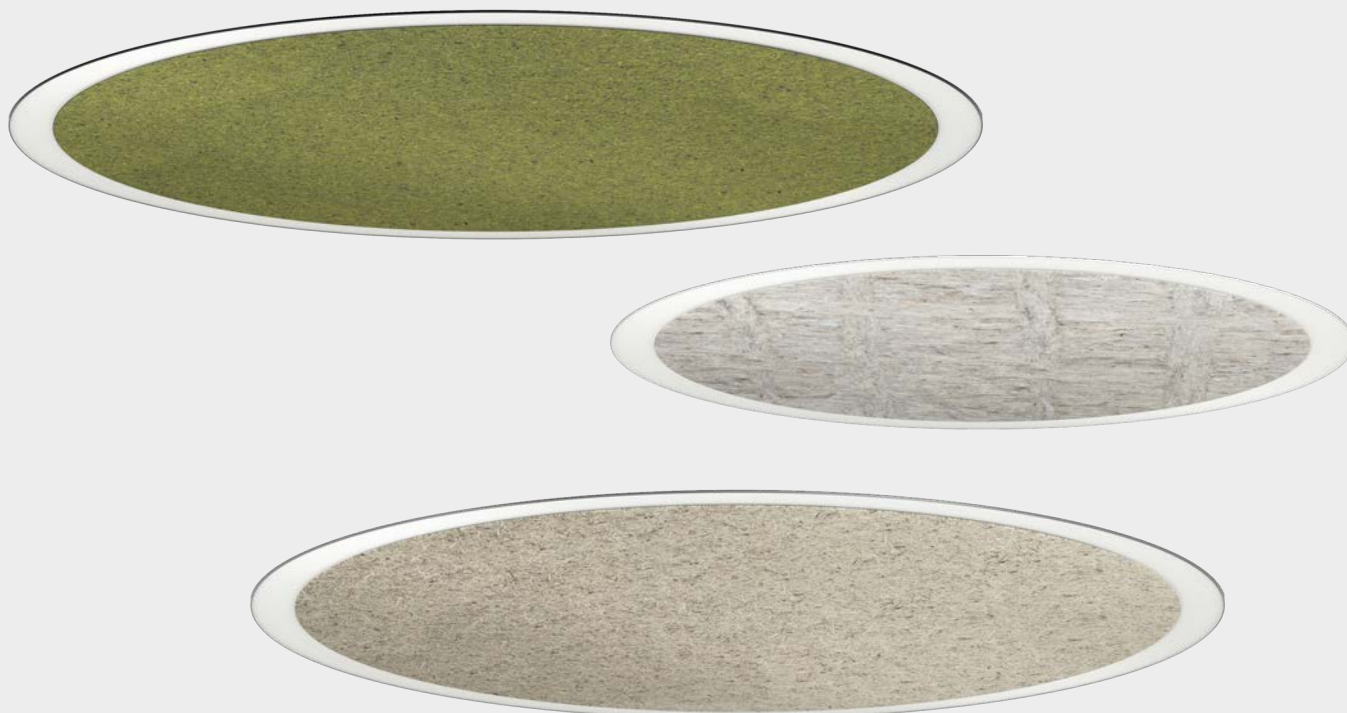
Luminous Flux (lm)

	satiné		microprism*	
4000 K	high output	low output	high output	low output
ø 1546 mm	11068 lm	6388 lm	12116 lm	6928 lm



sinus quiet

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



Cut out ✂		
DIMENSION	ø DIAMETER	↑ DEPTH
ø 1190 mm	1181 mm	90 mm
ø 1546 mm	1537 mm	90 mm

A++ **A**

230V IP20 $R_a > 80$ up to L90/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 120lm/W

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG≤1

Lifetime up to L90/50.000h

Optic

direct

satiné

microprism

Options

Emergency lighting 3h (p. 447)

RAL of your choice (p. 449)

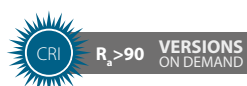
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

ø 1190 mm	119
ø 1546 mm	154

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange	QA
QUIET.FELT standard pebble	QP
QUIET.FELT standard lime	QL
QUIET.FELT extra+ black *	QB
QUIET.FELT extra+ fire *	QF
QUIET.FELT extra+ light grey melange *	QG
QUIET.FELT extra+ chocolate *	QC
Organoid® Mous *	QM
Organoid® Wollä *	QW
Organoid® Wildspitze *	QH

* QUIET.FELT extra+ & Organoid® on demand

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	SI
weiß white blanc bianco (RAL 9016)	WS
schwarz black noir nero (RAL 9005)	SW
RAL colours on request (p. 449)	

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

5 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

4 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 1190 mm, pebble acoustic module, white, 4000 K, high output DALI, satiné

R33E119-QPWE1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 1190 mm	8180 lm	4768 lm
ø 1546 mm	11068 lm	6388 lm

System Power (W)

	high output	low output	dynamic white
ø 1190 mm	83 W	51 W	90 W
ø 1546 mm	108 W	63 W	112 W

Weight (kg)	Organoid
ø 1190 mm	13,6 kg
ø 1546 mm	18,8 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
ø 1546 mm	10748 lm	6208 lm	11068 lm	6388 lm	10095 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism*	
4000 K	high output	low output	high output	low output
ø 1546 mm	11068 lm	6388 lm	12116 lm	6928 lm



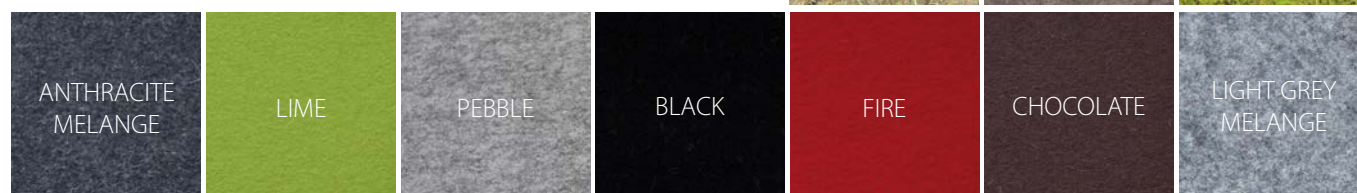
* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satiniertem Folie zur Erhöhung der Homogenität geliefert (- 9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5% sur le flux lumineux).

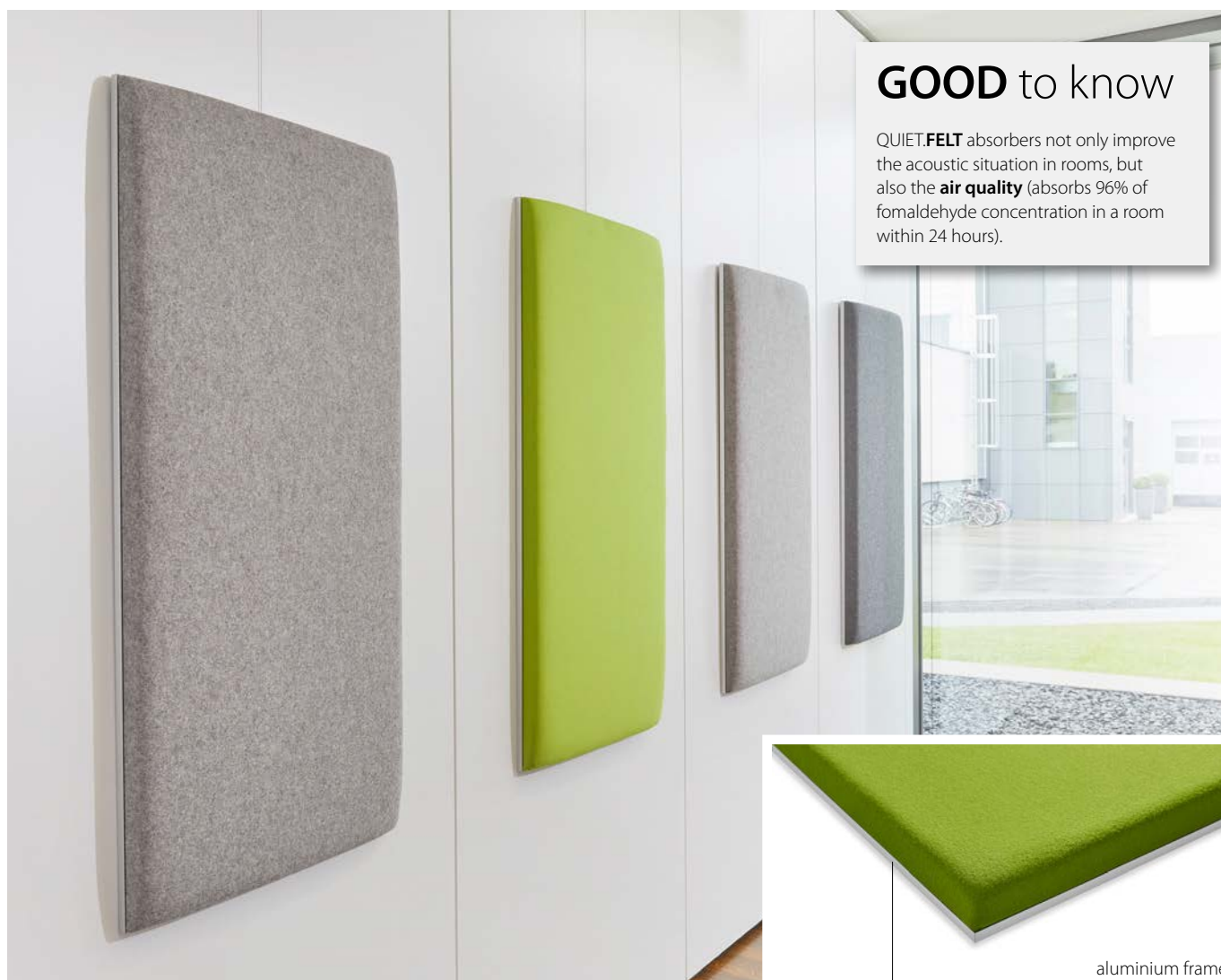
* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9,5% del flusso luminoso).

ACOUSTIC ABSORBERS



felt

Akustikpaneel | Acoustic panel | Panneau acoustique | Elementi fonoassorbenti



GOOD to know

QUIET.FELT absorbers not only improve the acoustic situation in rooms, but also the **air quality** (absorbs 96% of formaldehyde concentration in a room within 24 hours).



aluminium frame

1 Länge | Length | Longueur | Lunghezza

600x600 mm	06Q
600x1200 mm	120

Beispiel | Example | Exemple | Esempio

600x1200 mm, anthracite melange acoustic module

643-W120-QA

2 Akustik Modul | Acoustic module | Panneau acoustique | Modulo acustico

QUIET.FELT standard anthracite melange	QA
QUIET.FELT standard ight grey melange	QG
QUIET.FELT standard lime	QL
QUIET.FELT extra + black *	QB
QUIET.FELT extra + fire *	QF
QUIET.FELT extra + chocolate *	QC

* QUIET.FELT extra + on demand

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

pendant kit

B57101



Acoustic panel

ISO 11654: Class A, $\alpha_w=1,00$

EN 13501-1: B-s2,d0



EQUIVALENT SOUND ABSORPTION AREA – absorber QUIET.FELT

Frequency Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
600x600 mm	0,1	0,1	0,1	0,2	0,3	0,3	0,3	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4	0,4
600x1200 mm	0,1	0,2	0,3	0,5	0,5	0,6	0,7	0,7	0,8	0,8	0,8	0,8	0,8	0,7	0,7	0,7	0,7	0,7

RECOMMENDED NUMBER OF PANELS

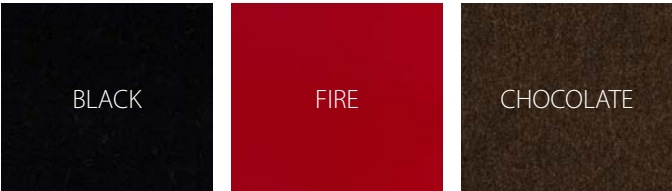
panel 600x1200 mm	2x	4x	6x	8x	12x	15x
panel 600x600 mm	4x	8x	12x	16x	24x	30x
small rooms < 15 m²	noticeable	good	very good	excellent		
medium rooms < 20 m²		noticeable	good	very good	excellent	
large rooms < 35 m²		noticeable	noticeable	good	very good	excellent



STANDARD

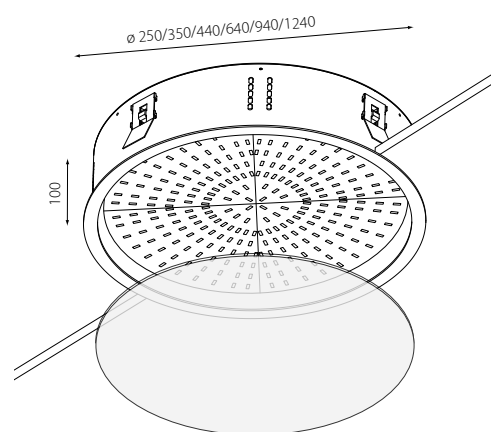
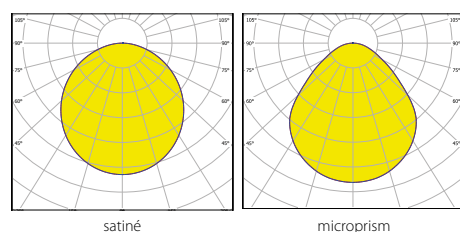
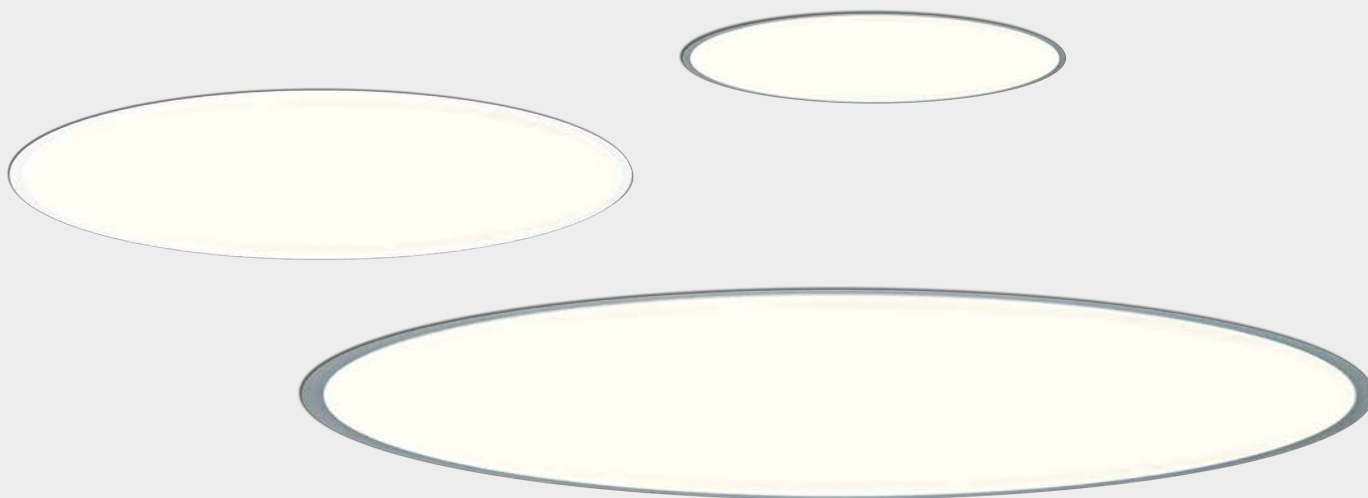


EXTRA +



lili frame

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 155 lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

RAL of your choice (p. 449)

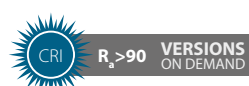
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

ø 250 mm (non dynamic white)	025
ø 350 mm	035
ø 440 mm	044
ø 640 mm	064
ø 940 mm	094
ø 1240 mm	124

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Esempio

ø 440 mm, white, 4000 K, high output DALI, satiné

F50E044-9016C1840H3S

Luminous Flux (lm)

4000 K satiné, white	high output	low output
ø 250 mm	1314 lm	709 lm
ø 350 mm	2036 lm	1216 lm
ø 440 mm	3165 lm	1847 lm
ø 640 mm	6803 lm	3417 lm
ø 940 mm	13708 lm	7016 lm
ø 1240 mm	25724 lm	13353 lm

System Power (W)

	high output	low output	dynamic white
ø 250 mm	14,5 W	7,5 W	-
ø 350 mm	18,5 W	11 W	19,5 W
ø 440 mm	27 W	15 W	28 W
ø 640 mm	51 W	25 W	53 W
ø 940 mm	96 W	47 W	99 W
ø 1240 mm	172 W	86 W	190 W

Weight (kg)

ø 250 mm	0,7 kg
ø 350 mm	2,4 kg
ø 440 mm	3,7 kg
ø 640 mm	7,4 kg
ø 940 mm	15,9 kg
ø 1240 mm	25,9 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700 - 6500 K
ø 440 mm, white	3014 lm	1819 lm	3165 lm	1847 lm	2911 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 440 mm, white	3165 lm	1847 lm	2663 lm	1583 lm

Diese Daten gelten nur für eine Leuchte der Gehäusefarbe in RAL 9016, bei anderen Farben können die Daten abweichen.
 This data is valid only for luminaires in the color "RAL 9016", data may differ with other colors.
 Ces données sont valables pour un luminaire avec un boîtier en RAL 9016, il arrive que ces données varient si le RAL change.
 Questi dati sono validi per un apparecchio nel colore in RAL 9016, sui altri colori possono variare i dati.

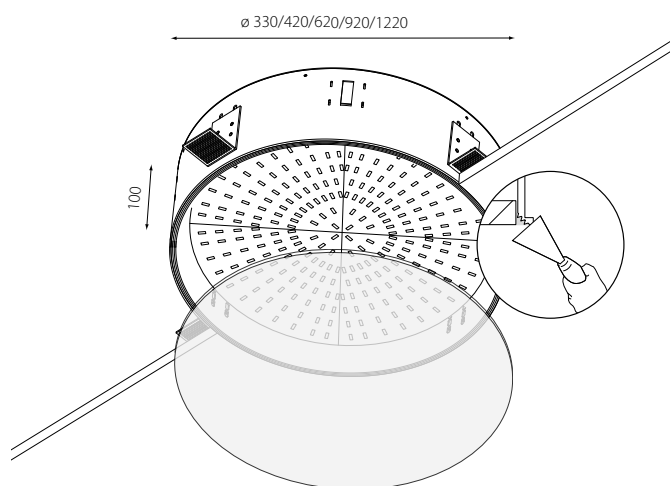
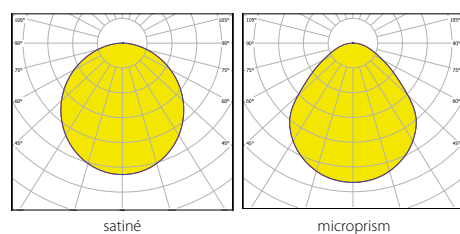
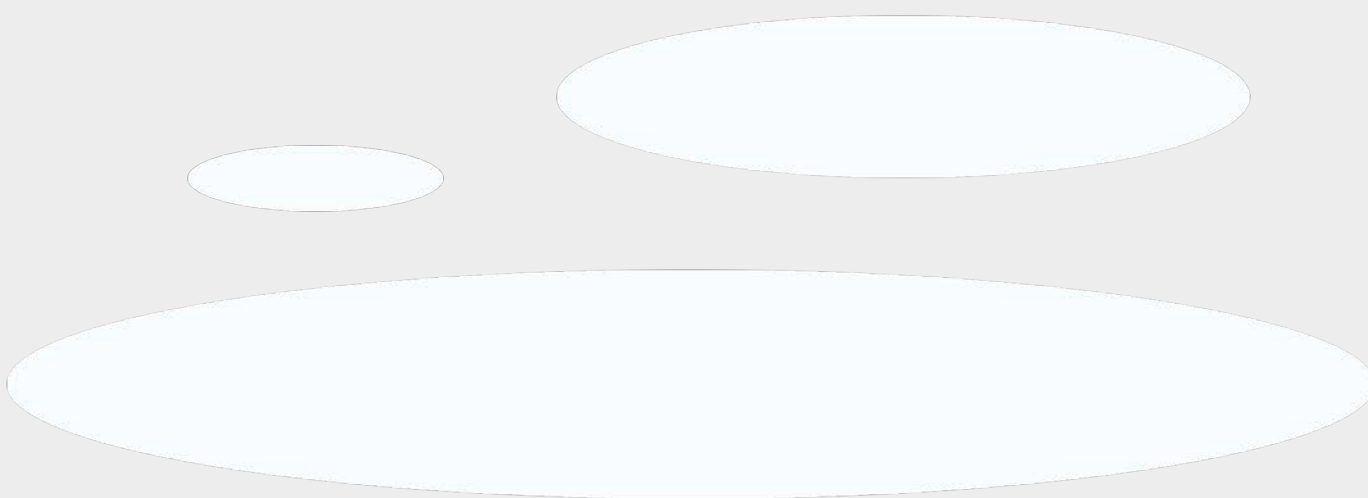


Cut out ✂

DIMENSION	ø DIAMETER	↑ DEPTH
ø 250 mm	ø 237 mm	115 mm
ø 350 mm	ø 337 mm	115 mm
ø 440 mm	ø 427 mm	115 mm
ø 640 mm	ø 627 mm	115 mm
ø 940 mm	ø 927 mm	115 mm
ø 1240 mm	ø 1227 mm	115 mm

lili frameless

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 155 lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Housing

powder coated

RAL 9016



1 Dimension

ø 330 mm	033
ø 420 mm	042
ø 620 mm	062
ø 920 mm	092
ø 1220 mm	122

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

3 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

4 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

ø 420 mm, 4000 K, high output DALI, satiné

F50F042-9016C1840H3S

Luminous Flux (lm)

4000 K satiné	high output	low output
ø 330 mm	2036 lm	1216 lm
ø 420 mm	3165 lm	1847 lm
ø 620 mm	6803 lm	3417 lm
ø 920 mm	13708 lm	7016 lm
ø 1220 mm	25724 lm	13353 lm

System Power (W)

	high output	low output	dynamic white
ø 330 mm	18,5 W	11 W	19,5 W
ø 420 mm	27 W	15 W	28 W
ø 620 mm	51 W	25 W	53 W
ø 920 mm	96 W	47 W	99 W
ø 1220 mm	172 W	86 W	190 W

Weight (kg)

ø 330 mm	2,4 kg
ø 420 mm	3,7 kg
ø 620 mm	7,4 kg
ø 920 mm	15,9 kg
ø 1220 mm	25,9 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)

	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
ø 420 mm	3014 lm	1819 lm	3165 lm	1847 lm	2911 lm

COMPARE COVER

Luminous Flux (lm)

	satiné		microprism	
4000 K	high output	low output	high output	low output
ø 420 mm	3165 lm	1847 lm	2663 lm	1583 lm



Cut out ✂

DIMENSION	ø DIAMETER	↑ DEPTH
ø 330 mm	ø 337 mm	115 mm
ø 420 mm	ø 427 mm	115 mm
ø 620 mm	ø 627 mm	115 mm
ø 920 mm	ø 927 mm	115 mm
ø 1220 mm	ø 1227 mm	115 mm

Montagehilfe | Installation helper | aide à installation | Set da montaggio

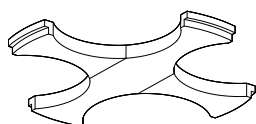
F50F-ROH-033

F50F-ROH-042

F50F-ROH-062

F50F-ROH-092

F50F-ROH-122







Ebenbichler Optik, Graz / Austria





Hechenblaickner, Graz / Austria

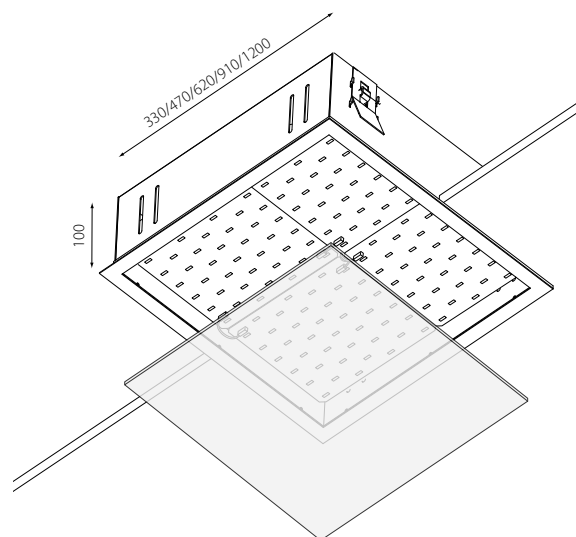
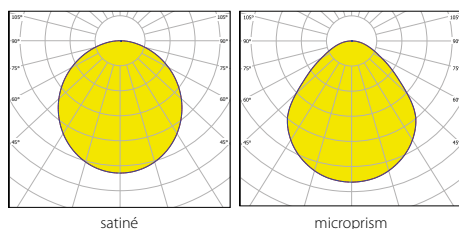
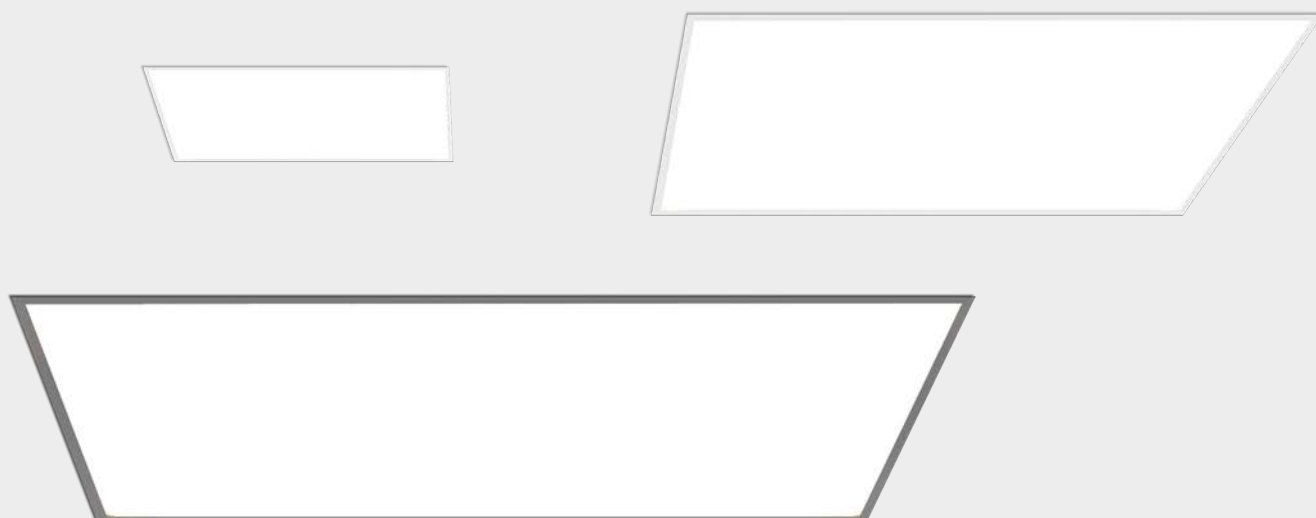




Attorney Friedl Holler, Leibnitz / Austria

liha frame

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 136lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80 / 50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)

Options

RAL of your choice (p. 449)

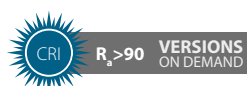
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Dimension

330×330 mm	03Q
470×470 mm	04Q
620×620 mm	06Q
910×910 mm	09Q
1200×1200 mm	12Q

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

5 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Esempio

470×470 mm, white, 4000 K, high output DALI, satiné

F51E04Q-9016C1840H3S

Luminous Flux (lm)

4000 K satiné, white	high output	low output
330×330 mm	2249 lm	1172 lm
470×470 mm	4048 lm	2610 lm
620×620 mm	7897 lm	4104 lm
910×910 mm	15647 lm	8129 lm
1200×1200 mm	26710 lm	13348 lm

System Power (W)

	high output	low output	dynamic white
330×330 mm	20 W	10,5 W	20 W
470×470 mm	34,5 W	21,5 W	34,5 W
620×620 mm	66 W	33,5 W	65 W
910×910 mm	122 W	62,5 W	122 W
1200×1200 mm	219 W	105 W	219 W

Weight (kg)

330×330 mm	2,4 kg
470×470 mm	3,7 kg
620×620 mm	7,4 kg
910×910 mm	15,9 kg
1200×1200 mm	25,9 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
470×470 mm, white	3855 lm	2486 lm	4048 lm	2610 lm	3604 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
470×470 mm, white	4048 lm	2610 lm	3918 lm	2522 lm

Diese Daten gelten nur für eine Leuchte der Gehäusefarbe in RAL 9016, bei anderen Farben können die Daten abweichen.
 This data is valid only for luminaires in the color "RAL 9016", data may differ with other colors.
 Ces données sont valables pour un luminaire avec un boîtier en RAL 9016, il arrive que ces données varient si le RAL change.
 Questi dati sono validi per un apparecchio nel colore in RAL 9016, sui altri colori possono variare i dati.

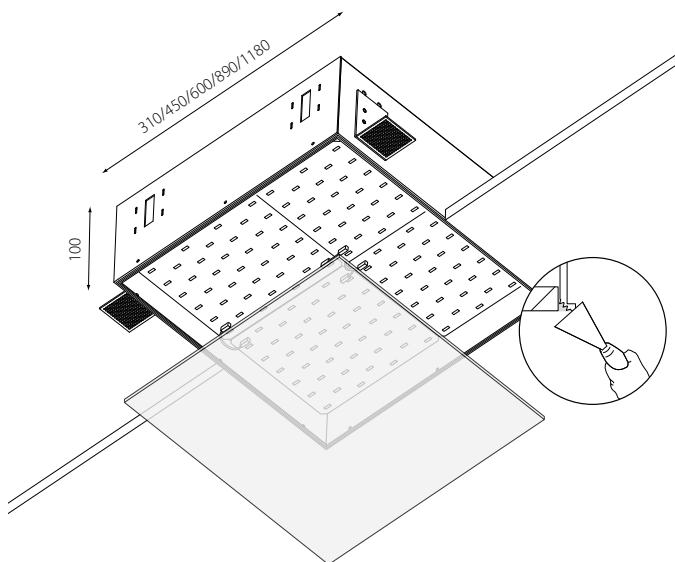
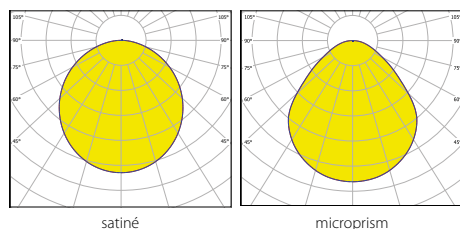
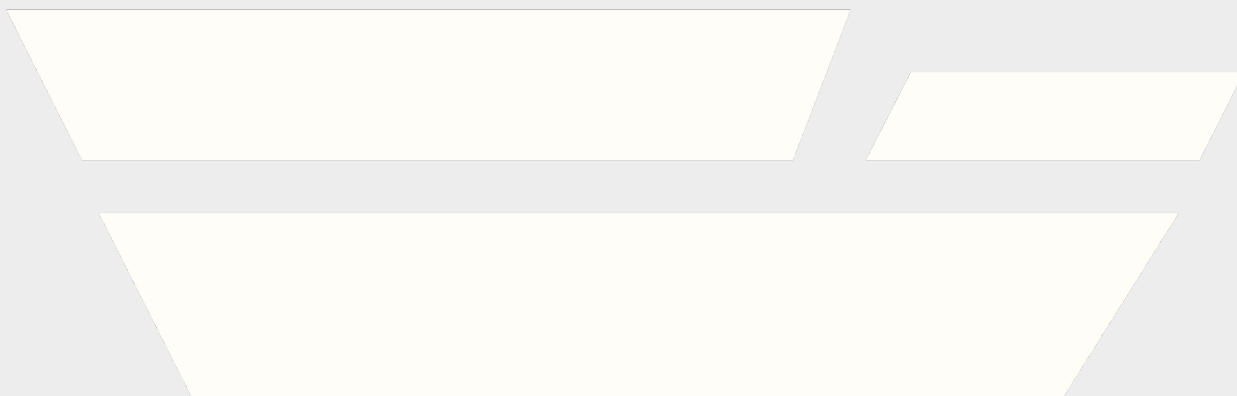


Cut out ✂

DIMENSION	ø DIAMETER	↑ DEPTH
330×330 mm	□ 317 mm	115 mm
470×470 mm	□ 457 mm	115 mm
620×620 mm	□ 607 mm	115 mm
910×910 mm	□ 897 mm	115 mm
1200×1200 mm	□ 1187 mm	115 mm

liha frameless

Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 136lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: RG 0

Lifetime up to L80/50.000h

Optic

direct

satiné

microprism for reduced brightness (LRA)



Housing

powder coated

RAL 9016

1 Dimension

310×310 mm	03Q
450×450 mm	04Q
600×600 mm	06Q
890×890 mm	08Q
1180×1180 mm	11Q

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700 - 6500 K dynamic white	HCL

3 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

4 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Esempio

450×450 mm, 4000 K, high output DALI, satiné
F51F04Q-9016C1840H3S

Luminous Flux (lm)

4000 K satiné, white	high output	low output
310×310 mm	2249 lm	1172 lm
450×450 mm	4048 lm	2610 lm
600×600 mm	7897 lm	4104 lm
890×890 mm	15647 lm	8129 lm
1180×1180 mm	26710 lm	13348 lm

System Power (W)

	high output	low output	dynamic white
310×310 mm	20 W	10,5 W	20 W
450×450 mm	34,5 W	21,5 W	34,5 W
600×600 mm	66 W	33,5 W	65 W
890×890 mm	122 W	62,5 W	122 W
1180×1180 mm	219 W	105 W	219 W

Weight (kg)

310×310 mm	4,3 kg
450×450 mm	6,6 kg
600×600 mm	10,7 kg
890×890 mm	22,0 kg
1180×1180 mm	36,4 kg

COMPARE LIGHT COLOUR

Luminous Flux (lm)	3000 K		4000 K		dynamic white
satiné	high output	low output	high output	low output	2700-6500 K
450×450 mm, white	3855 lm	2486 lm	4048 lm	2610 lm	3604 lm

COMPARE COVER

Luminous Flux (lm)	satiné		microprism	
4000 K	high output	low output	high output	low output
450 x 450 mm, white	4048 lm	2610 lm	3918 lm	2522 lm

Diese Daten gelten nur für eine Leuchte der Gehäusefarbe in RAL 9016, bei anderen Farben können die Daten abweichen.
This data is valid only for luminaires in the color "RAL 9016", data may differ with other colors.
Ces données sont valables pour un luminaire avec un boîtier en RAL 9016, il arrive que ces données varient si le RAL change.
Questi dati sono validi per un apparecchio nel colore in RAL 9016, sui altri colori possono variare i dati.



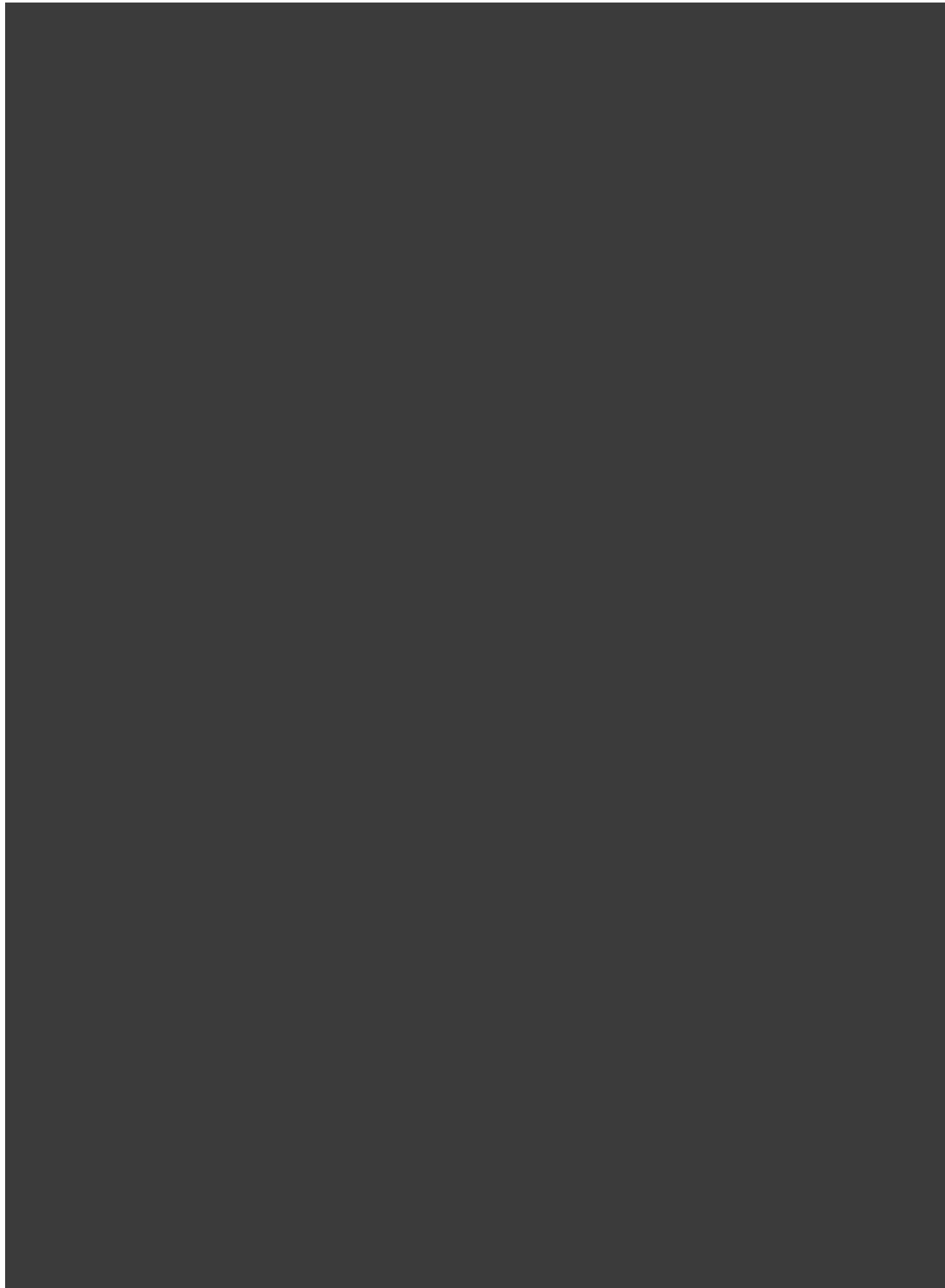
Cut out ✂

DIMENSION	Ø DIAMETER	↑ DEPTH
310×310 mm	□ 317 mm	115 mm
450×450 mm	□ 457 mm	115 mm
600×600 mm	□ 607 mm	115 mm
890×890 mm	□ 897 mm	115 mm
1180×1180 mm	□ 1187 mm	115 mm





EcoPower, Bönen / Germany



CUSTOMIZED

BANDLÖSUNGEN | SOLUTIONS SUR MESURE | SISTEMA LINEARE



p.forty

p. 316

pure 3

p. 322

sinus

p. 328

anto+ inset

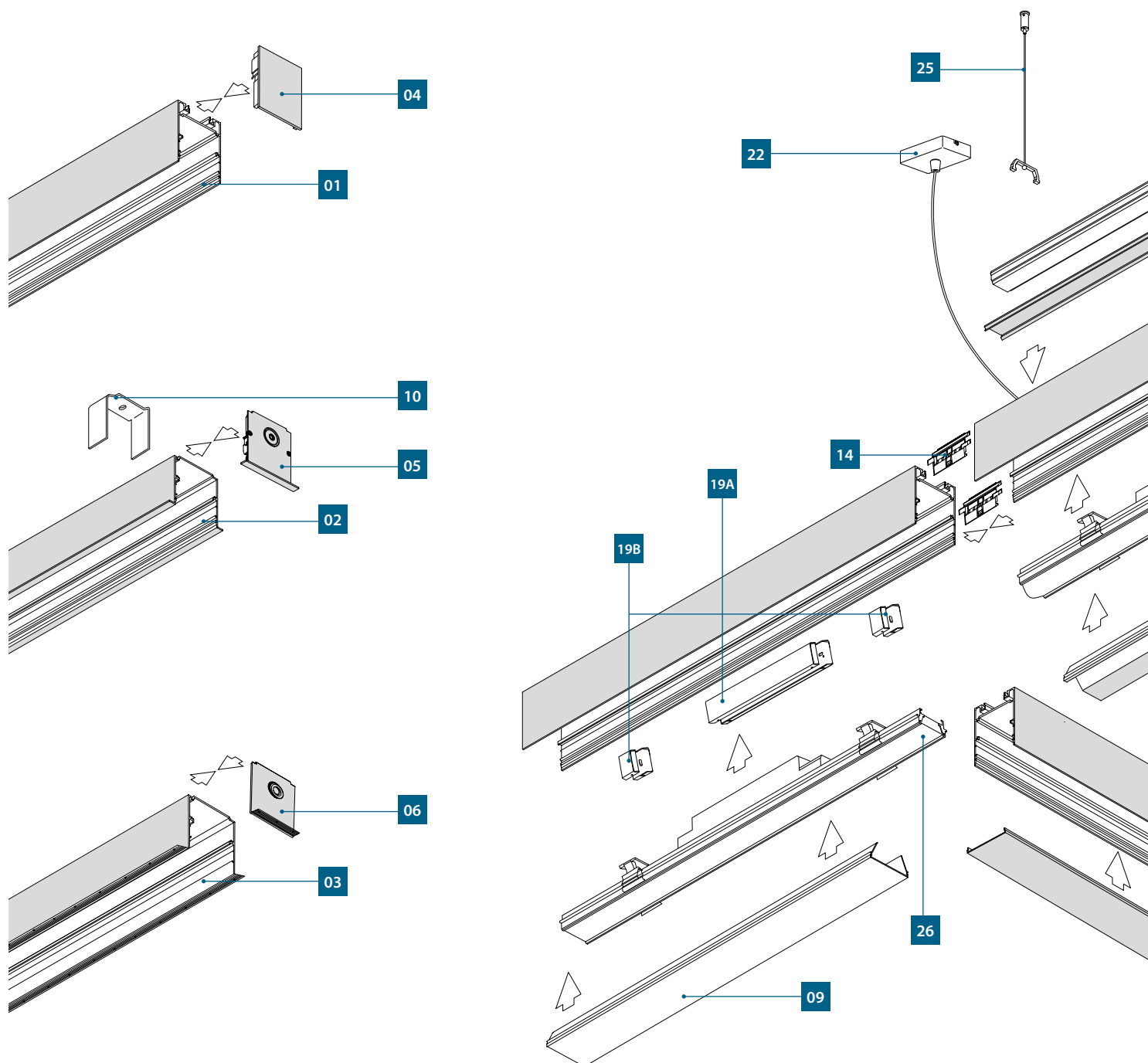
p. 330

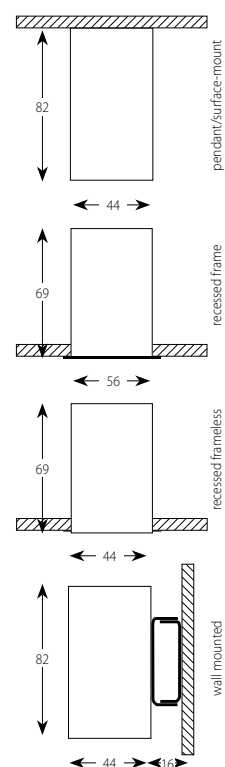
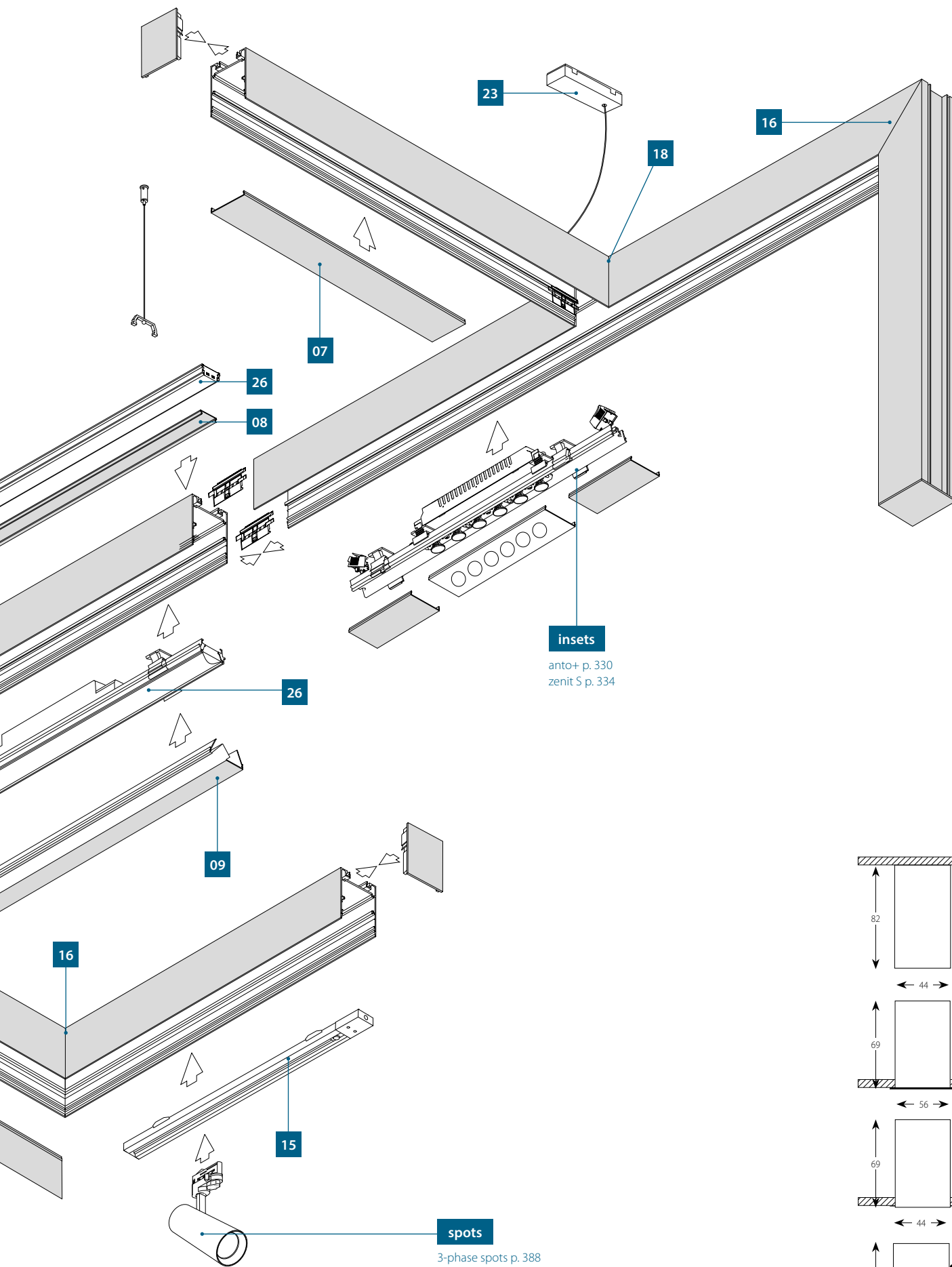
zenit S inset

p. 334

zenit XS inset

p. 338





Gehäuseprofil | Profile housing | Boîte profilée | Profilo d'alloggiamento

01

pendant / surface mounted / wall

P40-PRO1-9006	S			
P40-PRO1-9016	W			
P40-PRO1-9005	B			

02

recessed FRAME

P40-PROE-9006	S	
P40-PROE-9016	W	
P40-PROE-9005	B	

03

recessed FRAMELESS

P40-PROF-ALUB	A	
---------------	---	---

Meterware; Maximale Teilprofillänge: 4500 mm
Sold by the metre; maximum section length: 4500 mm
Marchandise vendue au mètre; longueur de section max. 4500 mm
Articolo a metro; lunghezza mass. 4500 mm

Endkappe | End cap | Embout | Tappo di chiusura

04

pendant / surface mounted / wall

P40-END1-9006	S			
P40-END1-9016	W			
P40-END1-9005	B			

05

recessed FRAME

P40-ENDE-9006	S	
P40-ENDE-9016	W	
P40-ENDE-9005	B	

06

recessed FRAMELESS

P40-ENDF-ALUB	A	
---------------	---	---

Blindabdeckung | Blank cover | Cache opaque | Coperchio cieco

07

direct

P40-BLI-9006	S	
P40-BLI-9016	W	
P40-BLI-9005	B	

08

indirect

P40-BL2-9006	S	
P40-BL2-9016	W	
P40-BL2-9005	B	

Meterware | Sold by the metre
Marchandise vendue au mètre
Articolo a metraggio

09

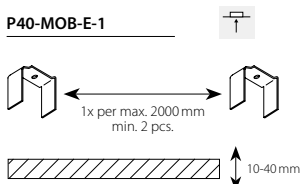
Diffusoren | Diffusers | Diffuseurs | Diffusori

P40-DIF-S	satiné
P40-DIF-M	microprism
P40-DIF-E	extra comfort
P40-DIF-A-BLACK	asymmetric

Meterware; Maximale Länge: 2500 mm
Sold by the metre; maximum length: 2500 mm
Marchandise vendue au mètre; longueur max. 2500 mm
Articolo a metraggio; lunghezza max. 2500 mm

10

Einbau-Montagebügel | Recessed-mount bracket | Étrier d'encastrement | Staffe di montaggio FRAME

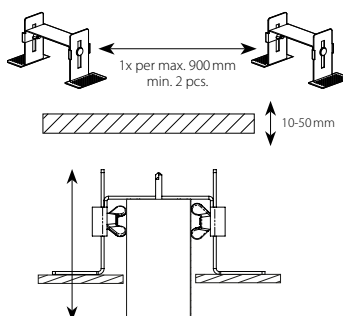


11

Einbau-Montagebügel | Recessed-mount bracket | Étrier d'encastrement | Staffe di montaggio

P40-MOB-F-1	
-------------	---

Inklusive Schrauben | screws included
Vis incluses | incl. viti



12

Durchgangsverdrahtung Blindteil
Feed-through wiring for blank cover
Pré-câblage par cacheque Wue blanc
Cablaggio passante coperchio chieco

P40-DV-BLI

Meterware | Sold by the metre
Marchandise vendue au mètre
Articolo a metro

13

Überbrückungssatz für Lichteinsätze | Bridging for light sources | Pontage par inserts lumineux | Set di continuità per insertimenti di luce

P40-DV-R

max. 2250 mm

14

Linienverbinder | Segment connector | Raccords en ligne | Connettore lineare

P40-LIN

paarweise | in pairs | paire | a coppie
Inklusive Inbusschrauben | Hexagon socket screws included |
Vis à six pans creux incluses | incl. brugole

15

3-Phasen-Schiene | 3-phase track | Rail 3 phases | Binario 3-fase

P40-3PH-110-AL	A	1100 mm
P40-3PH-110-WS	W	1100 mm
P40-3PH-110-SW	B	1100 mm
P40-3PH-210-AL	A	2100 mm
P40-3PH-210-WS	W	2100 mm
P40-3PH-210-SW	B	2100 mm

Inkl. Einspeisung u. Endabdeckung | Power supply and end cap included | Alimentation et embout inclus | incl. alimentatore e tappo di chiusura

S	silver Silber argent argento RAL 9006
W	white weiß blanc bianco RAL 9016
B	black schwarz noir nero RAL 9005
A	aluminium

16

Gehrungsschnitt | Mitre cut | Coupe d'onglet | Taglio mitre

horizontal

P40-HOR-90	90°
P40-HOR-135	135°

vertical

P40-VER-90	90°
-------------------	-----

Inklusive Verbinder | Connectors included
Connecteurs inclus | incl. connettori

17

Kreuzverbinder | Cross connector | Rac-cord en croix | Connettore a croce

P40-KV1	90°	pendant/surface
P40-KVE	90°	recessed FRAME
P40-KVF	90°	recessed FRAMELESS

18

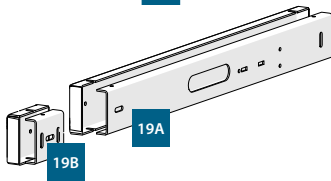
T-Verbinder | T-Connector | Connecteur en T | T-connettore

P40-TV1	90°	pendant/surface
P40-TVE	90°	recessed FRAME
P40-TVF	90°	recessed FRAMELESS

19

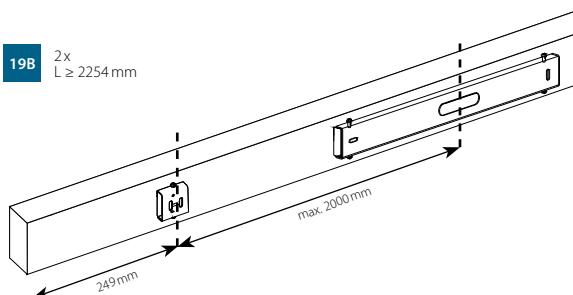
Wandhalterung | Wall bracket | Fixation murale | Supporto parete

P40-WAB-E-1	19A
P40-WAB-M-1	19B



19B

2x
L ≥ 2254 mm



20

Anschlussklemme | Connection terminal
Bornier de connexion | Morsetto elettrico

P40-ANS5	5-polig 5-pole 5 pôles 5-poli
P40-ANS7	7-polig 7-pole 7 pôles 7-poli

Inklusive Zubehör; eine Klemme pro Einspeisung;
Klemmbereich 0,75 - 2,5 mm² | Accessories included;
one terminal per power supply; clamping range
0,75 - 2,5 mm² | Accessoires inclus; un bornier par
alimentation; plage de serrage 0,75 - 2,5 mm² | Acces-
sori incl., 1 morsetto per ogni alimentazione, range
0,75 - 2,5 mm²

21

Kabelset | Connection set | Set de connexion |
Set di Cavo

P40-DVS

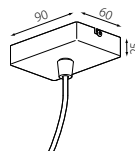
7-polig für Dimmung | 7-pole for dimming
7 pôles pour gradation | 7-poli per smorzare

22

Einspeisung mit Baldachin | Power
supply with canopy | Alimentation avec
patère | Alimentatore con baldacchino

P40-EIN-3	3 × 0,75 mm²
P40-EIN-5	5 × 0,75 mm²
P40-EIN-7	7 × 0,75 mm²
P40-EIN-7-Q1,5	7 × 1,50 mm²

2500 mm

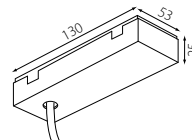


23

Einspeisung mit Design-Baldachin | Pow-
er supply with design canopy | Alimen-
tation avec patère design | Alimentatore
con baldacchino di disegno

P40-EIN-5-DB	5 × 0,75 mm²
---------------------	--------------

2500 mm



24

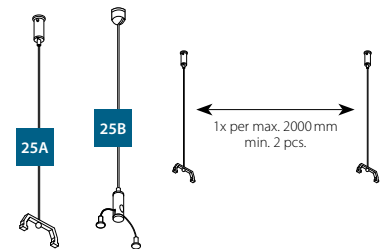
Einspeisung 3-Phasen-Schiene | Power feed
3-phase-track | Alimentation pour rail 3
phases | Alimentatore per rotaia 3-poli

P40-EIN-3PH-WS	W	3 × 1,5 mm²
P40-EIN-3PH-SW	B	3 × 1,5 mm²

2500 mm
inkl. 3-Phasen-Universaladapter | 3 phase uni-
versal adapter incl. | adaptateur universel 3 phases
inclus | adattatori universali 3-fase

25

Seilabhängungen | Suspension ca-
bles | Câbles de suspension | Sospensione
a cavo



25A

Schnellspanner | Rapid tensioner | Tendeurs
rapides | Molla di regolazione

P40-SEI-200	2000 mm
P40-SEI-600	6000 mm

25B

Schnellspanner für Schrägdecken | Rapid
tensioner for inclined ceilings | Tendeurs
rapides pour suspension sur plafond en
souple | Molla di regolazione per soffitti
inclinati

P58-SEI-200	2000 mm
P58-SEI-600	6000 mm

25C

Caddyclips (T24)

P40-SEI-150-CC	1500 mm
-----------------------	---------

26

Lichteinsätze | Light sources
Inserts lumineux | Insertimenti di luce
p. 320



R_a >90

VERSIONS
ON DEMAND



satiné (S)

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
563 mm	1380 lm	816 lm	1360 lm	814 lm	1279 lm	3176 lm	1847 lm	3211 lm	1872 lm	2977 lm
633 mm	1553 lm	919 lm	1530 lm	916 lm	1438 lm	3573 lm	2078 lm	3612 lm	2106 lm	–
703 mm	1730 lm	1022 lm	1719 lm	1022 lm	1607 lm	3986 lm	2314 lm	4044 lm	2348 lm	–
773 mm	1907 lm	1125 lm	1907 lm	1127 lm	1776 lm	4399 lm	2550 lm	4477 lm	2590 lm	–
843 mm	2080 lm	1227 lm	2080 lm	1230 lm	1938 lm	4799 lm	2782 lm	4884 lm	2826 lm	–
913 mm	2253 lm	1330 lm	2253 lm	1332 lm	2099 lm	5198 lm	3013 lm	5291 lm	3061 lm	–
983 mm	2440 lm	1436 lm	2475 lm	1446 lm	2285 lm	5641 lm	3259 lm	5782 lm	3319 lm	5224 lm
1053 mm	2628 lm	1542 lm	2698 lm	1560 lm	2471 lm	6085 lm	3505 lm	6274 lm	3577 lm	5605 lm
1123 mm	2803 lm	1645 lm	2879 lm	1664 lm	2636 lm	6491 lm	3739 lm	6692 lm	3816 lm	5979 lm
1403 mm	3519 lm	2051 lm	3606 lm	2075 lm	3290 lm	8042 lm	4647 lm	8277 lm	4850 lm	7424 lm
1683 mm	4295 lm	2431 lm	4362 lm	2469 lm	3928 lm	9307 lm	5449 lm	9510 lm	5604 lm	8669 lm
2243 mm	5605 lm	3290 lm	5757 lm	3329 lm	5373 lm	12983 lm	7479 lm	13385 lm	7632 lm	11957 lm

microprism (M) *

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
563 mm	1447 lm	856 lm	1426 lm	850 lm	1362 lm	3222 lm	1880 lm	3254 lm	1913 lm	3017 lm
633 mm	1628 lm	963 lm	1604 lm	956 lm	1532 lm	3625 lm	2115 lm	3661 lm	2152 lm	–
703 mm	1809 lm	1070 lm	1799 lm	1066 lm	1703 lm	4041 lm	2354 lm	4098 lm	2396 lm	–
773 mm	1990 lm	1176 lm	1994 lm	1175 lm	1874 lm	4458 lm	2592 lm	4534 lm	2640 lm	–
843 mm	2171 lm	1283 lm	2175 lm	1281 lm	2044 lm	4864 lm	2828 lm	4946 lm	2880 lm	–
913 mm	2352 lm	1390 lm	2356 lm	1388 lm	2214 lm	5269 lm	3063 lm	5358 lm	3120 lm	–
983 mm	2533 lm	1497 lm	2581 lm	1502 lm	2384 lm	5712 lm	3308 lm	5852 lm	3373 lm	5314 lm
1053 mm	2714 lm	1603 lm	2807 lm	1617 lm	2555 lm	6156 lm	3554 lm	6346 lm	3626 lm	5710 lm
1123 mm	2895 lm	1710 lm	2994 lm	1725 lm	2725 lm	6566 lm	3791 lm	6769 lm	3869 lm	6090 lm
1403 mm	3628 lm	2131 lm	3747 lm	2153 lm	3403 lm	8159 lm	4712 lm	8375 lm	4816 lm	7544 lm
1683 mm	4396 lm	2531 lm	4517 lm	2570 lm	4071 lm	9560 lm	5529 lm	9638 lm	5684 lm	8723 lm
2243 mm	5790 lm	3421 lm	5988 lm	3451 lm	6097 lm	13132 lm	7583 lm	13539 lm	7738 lm	12181 lm

extra comfort (E)

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
563 mm	1611 lm	953 lm	1588 lm	950 lm	1496 lm	3395 lm	1982 lm	3415 lm	2006 lm	3014 lm
633 mm	1818 lm	1072 lm	1786 lm	1069 lm	1683 lm	3819 lm	2230 lm	3842 lm	2257 lm	–
703 mm	2014 lm	1190 lm	2003 lm	1192 lm	1876 lm	4253 lm	22481 lm	4298 lm	2515 lm	–
773 mm	2217 lm	1309 lm	2220 lm	1315 lm	2069 lm	4686 lm	2732 lm	4754 lm	2772 lm	–
843 mm	2419 lm	1428 lm	2422 lm	1435 lm	2258 lm	5112 lm	2980 lm	5186 lm	3024 lm	–
913 mm	2620 lm	1547 lm	2623 lm	1554 lm	2445 lm	5538 lm	3228 lm	5618 lm	3276 lm	–
983 mm	2825 lm	1665 lm	1875 lm	1685 lm	2652 lm	5990 lm	3484 lm	6129 lm	3546 lm	5588 lm
1053 mm	3030 lm	1783 lm	3128 lm	1817 lm	2858 lm	6441 lm	3740 lm	6640 lm	3817 lm	6004 lm
1123 mm	3233 lm	1902 lm	3337 lm	1938 lm	3049 lm	6871 lm	3990 lm	7083 lm	4071 lm	6404 lm
1403 mm	4053 lm	2368 lm	4181 lm	2413 lm	3802 lm	8539 lm	4961 lm	8787 lm	5070 lm	7933 lm
1683 mm	4917 lm	2799 lm	5061 lm	2849 lm	4517 lm	10005 lm	5827 lm	10226 lm	5993 lm	9177 lm
2243 mm	6466 lm	3804 lm	6674 lm	3875 lm	6097 lm	13742 lm	7979 lm	14166 lm	8142 lm	12808 lm

asymmetric (A)

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
563 mm	1164 lm	690 lm	1193 lm	714 lm	1067 lm	2958 lm	1722 lm	3019 lm	1787 lm	2755 lm
633 mm	1309 lm	776 lm	1343 lm	803 lm	1200 lm	3327 lm	1937 lm	3396 lm	2010 lm	–
703 mm	1472 lm	870 lm	1510 lm	898 lm	1365 lm	3736 lm	2166 lm	3820 lm	2240 lm	–
773 mm	1634 lm	963 lm	1677 lm	992 lm	1530 lm	4144 lm	2395 lm	4245 lm	2471 lm	–
843 mm	1872 lm	1051 lm	1829 lm	1082 lm	1669 lm	4521 lm	2613 lm	4631 lm	2696 lm	–
913 mm	1931 lm	1138 lm	1982 lm	1172 lm	1808 lm	4897 lm	2830 lm	5016 lm	1920 lm	–
983 mm	2125 lm	1246 lm	2183 lm	1275 lm	2033 lm	5379 lm	3085 lm	5529 lm	3164 lm	4971 lm
1053 mm	2319 lm	1354 lm	2384 lm	1377 lm	2258 lm	5861 lm	3340 lm	6042 lm	3408 lm	5399 lm
1123 mm	2474 lm	1444 lm	2543 lm	1469 lm	2409 lm	6251 lm	3563 lm	6445 lm	3635 lm	5759 lm
1403 mm	3130 lm	1813 lm	3214 lm	1849 lm	3008 lm	7750 lm	4432 lm	7977 lm	4538 lm	7153 lm
1683 mm	3934 lm	2216 lm	4025 lm	2284 lm	3598 lm	8993 lm	5213 lm	9193 lm	5417 lm	8364 lm
2243 mm	4948 lm	2888 lm	5086 lm	2938 lm	4818 lm	12502 lm	7126 lm	12897 lm	7270 lm	11518 lm

1 ⇒ für Diffusoren | for diffusers | pour diffuseurs | per diffusori

satiné or microprism	MS
asymmetric or extra comfort	AE
RGBW	LE

2 direct | direct/indirect

direct	1
direct/indirect (pendant & wall only)	2
indirect (only for RGBW)	9

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830, 3000 K	830
LF840, 4000 K	840
2700-6500 K dynamic white	HCL
RGBW (983/1123/1403 mm & indirect only)	RGB-W

4 Output

low output	L
high output	H
dynamic white	X
RGBW	

Beispiel | Example | Exemple | Esempio

Versions asymmetric or extra comfort. 703 mm direct, low output, non-dim, 3000 K

P40-AE1-830L-070

Beispiel | Example | Exemple | Esempio

Versions satiné or microprism. 1123 mm direct/indirect, high output, DALI, 4000 K

P40-MS2-840H-112-DA

5 Länge | Length | Longueur | Lunghezza

563 mm	056
633 mm	063
703 mm	070
773 mm	077
843 mm	084
913 mm	091
983 mm	098
1053 mm	105
1123 mm	112
1403 mm	140
1683 mm	168
2243 mm	224

6 DIM

non-dim	
DALI	-DA

Beispiel | Example | Exemple | Esempio

Versions asymmetric or extra comfort. 2243 mm direct, dynamic white

P40-AE1-HCLX-224

Beispiel | Example | Exemple | Esempio

RGBW, 983 mm, indirect

P40-LE9-RGB-W-098

System Power (W)

	direct			direct/indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
563 mm	13 W	8,2 W	14,5 W	24 W	14,5 W	26 W
633 mm	14,5 W	9,3 W	16,5 W	28 W	16 W	–
703 mm	16 W	9,9 W	17,5 W	31 W	17,5 W	–
773 mm	17,5 W	10,5 W	19 W	34 W	19 W	–
843 mm	19 W	11,5 W	21 W	37 W	21 W	–
913 mm	21 W	12,5 W	22 W	40 W	22 W	–
983 mm	22 W	13 W	23 W	42 W	23 W	43 W
1053 mm	23 W	13,5 W	24 W	45 W	25 W	45 W
1123 mm	25 W	14,5 W	25 W	49 W	26 W	49 W
1403 mm	31 W	17,5 W	31 W	59 W	32 W	59 W
1683 mm	36 W	20 W	37 W	69 W	38 W	69 W
2243 mm	47 W	27 W	49 W	92 W	50 W	93 W

RGBW

RGBW

indirect

400 lm/m 6,1 W/m

Länge | Length | Longueur | Lunghezza

983 / 1123 / 1403 mm

figures lm & W in 3000 K (830)



Emergency add-ons

P40-NOT-3H-LED 3 h battery

P40-NOT-ZVS-INOTEC INOTEC monitoring component for central current supply (direct 983 mm / direct/ indirect 1403 mm only)

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5 % Lichtstrom).

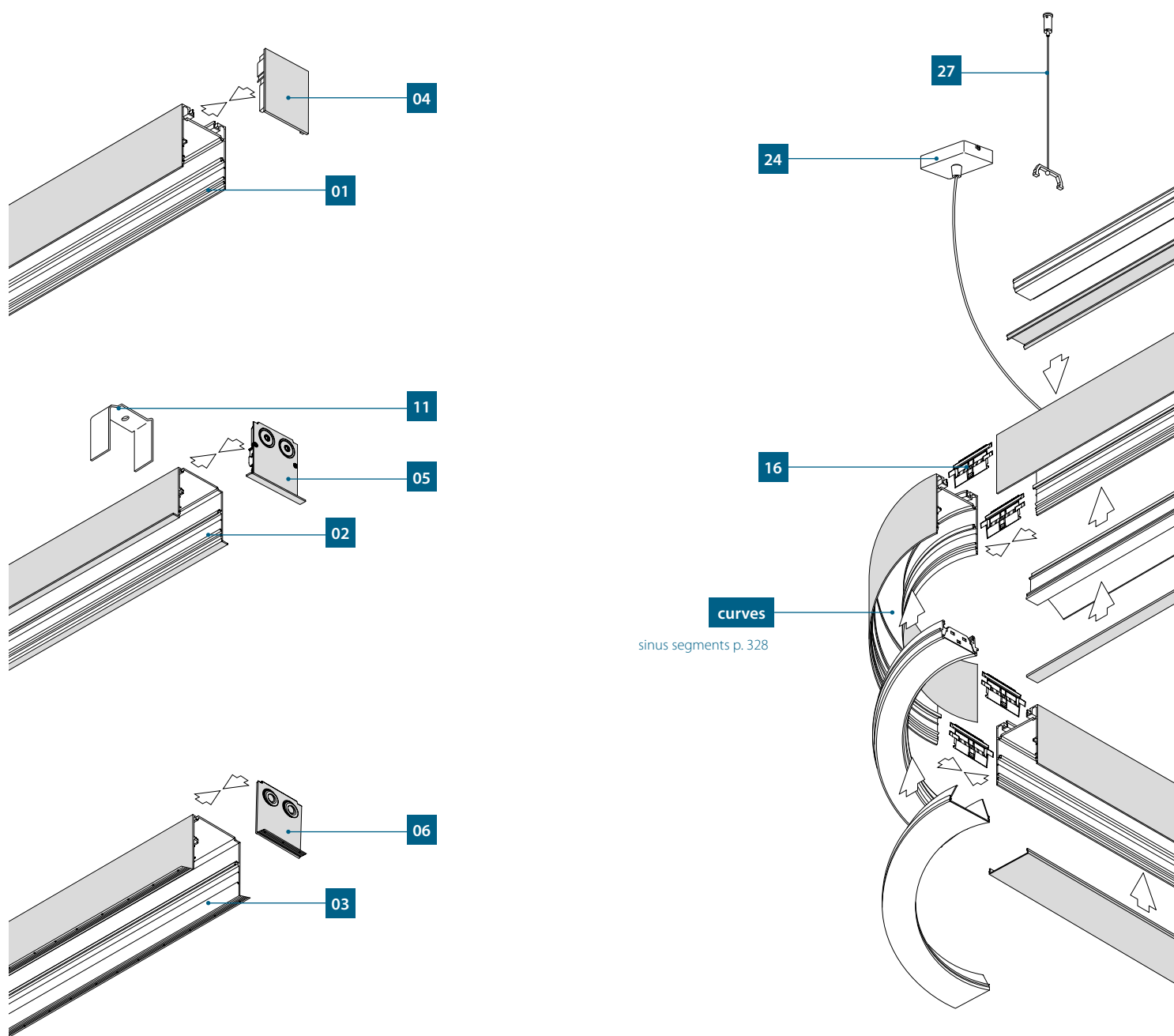
* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5 % luminous flux).

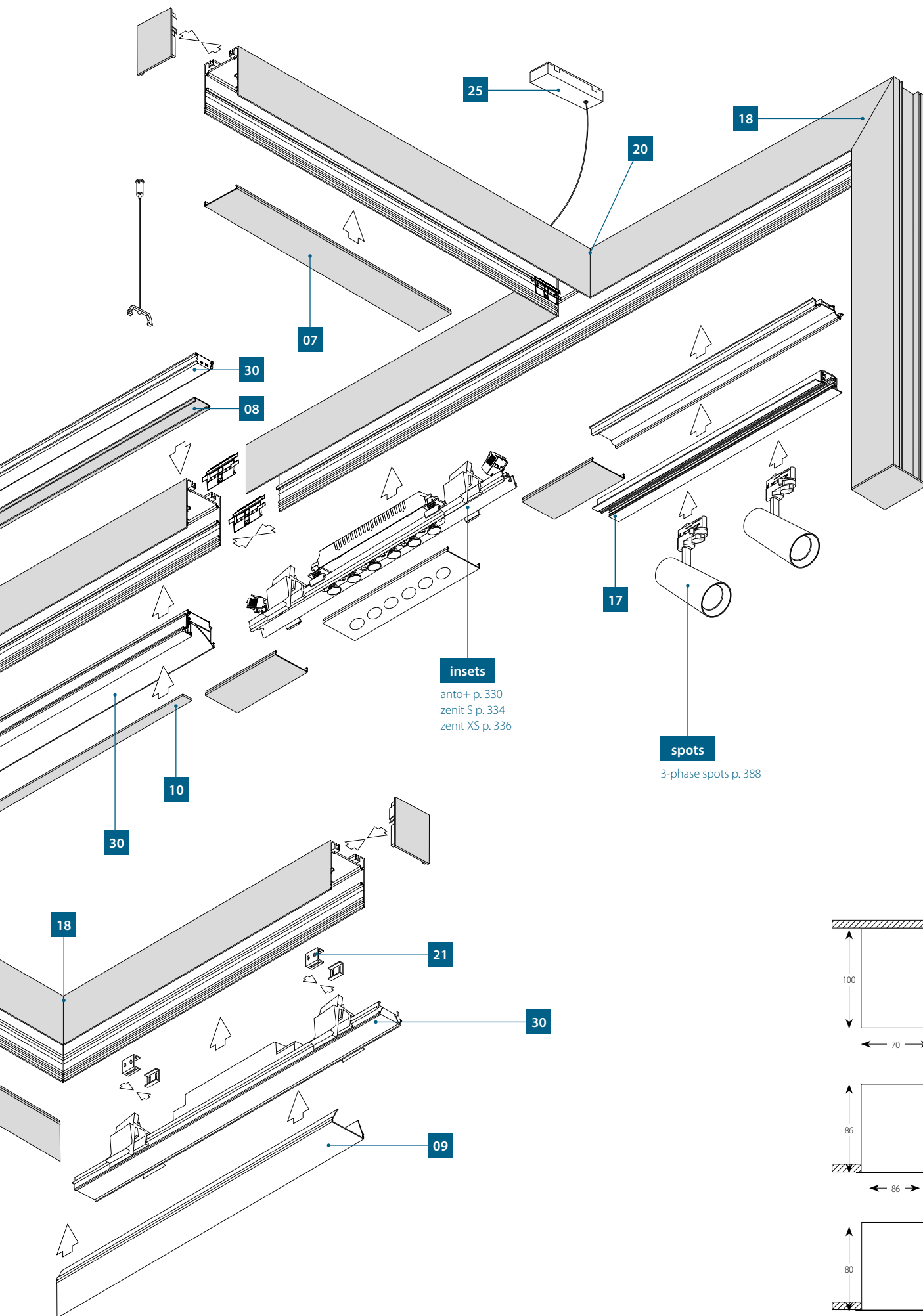
* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada è fornita con una pellicola satinata per ottimizzare l'omogeneità (-9,5% del flusso luminoso).

pure 3

Komponenten | Components | Composants | Componenti





pure 3

Komponenten | Components | Composants | Componenti

Gehäuseprofil | Profile housing | Boîte profilée | Profilo d'alloggiamento

01

pendant / surface mounted / wall

P33-PRO1-9006	S			
P33-PRO1-9016	W			
P33-PRO1-9005	B			

02

recessed FRAME

P33-PROE-9006	S	
P33-PROE-9016	W	
P33-PROE-9005	B	

03

recessed FRAMELESS

P33-PROF-ALUB	A	
---------------	---	---

Meterware; Maximale Teilprofillänge: 4500 mm
Sold by the metre; maximum section length: 4500 mm
Marchandise vendue au mètre; longueur de section max. 4500 mm
Articolo a metraggio; lunghezza max. 4500 mm

Endkappe | End cap | Embout | Tappo di chiusura

04

pendant / surface mounted / wall

P33-END1-9006	S			
P33-END1-9016	W			
P33-END1-9005	B			

05

recessed FRAME

P33-ENDE-9006	S	
P33-ENDE-9016	W	
P33-ENDE-9005	B	

06

recessed FRAMELESS

P33-ENDF-ALUB	A	
---------------	---	---

Blindabdeckung | Blank cover | Cache opaque | Coperchio chieco

07

direct

P33-BLI-9006	S	
P33-BLI-9016	W	
P33-BLI-9005	B	

08

indirect

P33-BL2-9006	S	
P33-BL2-9016	W	
P33-BL2-9005	B	

Meterware | Sold by the metre
Marchandise vendue au mètre
Articolo a metro

09

Diffusoren | Diffusers | Diffuseurs | Diffusori

P33-DIF-S-LED	satiné
P33-DIF-M	microprism

Meterware; Maximale Länge: 2500 mm
Sold by the metre; maximum length: 2500 mm
Marchandise vendue au mètre; longueur max. 2500 mm
Articolo a metraggio; lunghezza max. 2500 mm

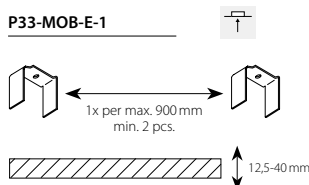
10

Abdeckung asymmetrisch | Cover asymmetric | Opaque asymmetric | Copertura asimmetrica

P33-BAS-9006	S
P33-BAS-9016	W
P33-BAS-9005	B

11

Einbau-Montagebügel | Recessed-mount bracket | Étrier d'encastrement | Staffe di montaggio FRAME

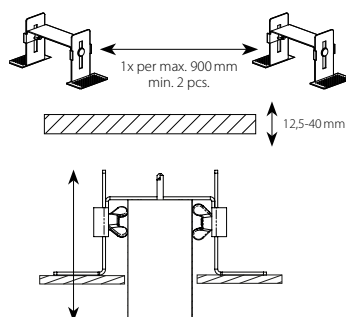


12

Einbau-Montagebügel | Recessed-mount bracket | Étrier d'encastrement | Staffe di montaggio

P33-MOB-F-1	
-------------	---

Inklusive Schrauben | screws included
Vis incluses | incl. viti



14

Durchgangsverdrahtung Blindteil
Feed-through wiring for blank cover
Pré-câblage par cache opaque blanc
Cablaggio passante coperchio chieco

P33-DV-BLI

Meterware | Sold by the metre
Marchandise vendue au mètre
Articolo a metraggio

15

Überbrückungssatz für Leuchteinsätze | Bridging for light sources | Pontage pour inserts lumineux | Set di continuità per inserti di luce

P33-DV-R

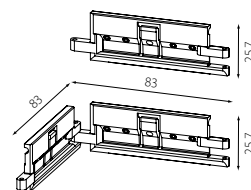
max. 2250 mm

16

Linienverbinder | Segment connector | Raccordi en ligne | Connettore lineare

P33-LIN

paarweise | in pairs | paire | a coppie
Inklusive Inbusschrauben | Hexagon socket screws included | Vis à six pans creux incluses | incl. brugole



17

3-Phasen-Schiene | 3-phase track | Rail 3 phases | Binario 3-fase

P33-3PH-110-AL	A	1100 mm
P33-3PH-110-WS	W	1100 mm
P33-3PH-110-SW	B	1100 mm
P33-3PH-210-AL	A	2100 mm
P33-3PH-210-WS	W	2100 mm
P33-3PH-210-SW	B	2100 mm

Inkl. Einspeisung u. Endabdeckung | Power supply and end cap included | Alimentation et embout inclus | incl. alimentatore e tappo di chiusura

18

Gehrungsschnitt | Mitre cut | Coupe d'onglet | Taglio mitre

horizontal

P33-HOR-90	90°
P33-HOR-135	135°

vertical

P33-VER-90	90°
-------------------	-----

Inklusive Verbinder | Connectors included
Connecteurs inclus | incl. connettori

19

Kreuzverbinder | Cross connector | Raccord en croix | Connettore a croce

P33-KV1	90°	pendant/surface
P33-KVE	90°	recessed FRAME
P33-KVF	90°	recessed FRAMELESS

20

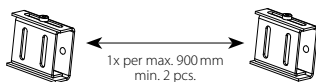
T-Verbinder | T-Connector | Connecteur en T | T-connettore

P33-TV1	90°	pendant/surface
P33-TVE	90°	recessed FRAME
P33-TVF	90°	recessed FRAMELESS

21

Wandhalterung | Wall bracket | Fixation murale | Supporto per parete

P33-WAH-E



22

Anschlussklemme | Connection terminal
Bornier de connexion | Morsetto elettrico

P33-ANS5	5-polig 5-pole 5 pôles 5-poli
P33-ANS7	7-polig 7-pole 7 pôles 7-poli

Inklusive Zubehör; eine Klemme pro Einspeisung;
Klemmbereich 0,75 - 2,5 mm² | Accessories included;
one terminal per power supply; clamping range
0,75 - 2,5 mm² | Accessoires inclus; un bornier par
alimentation; plage de serrage 0,75 - 2,5 mm² | Acces-
sori incl., 1 morsetto per ogni alimentazione, range
0,75 - 2,5 mm²

23

Verbindungsset | Connection set | Set de connexion | Set di Cavo

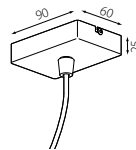
P33-DVS1	7-polig 7-pole 7 pôles 7-poli
-----------------	-------------------------------------

24

Einspeisung mit Baldachin | Power supply
with canopy | Alimentation avec patère
| Alimentazione con rosone

P33-EIN-3	3 × 0,75 mm²
P33-EIN-5	5 × 0,75 mm²
P33-EIN-7	7 × 0,75 mm²
P33-EIN-7-Q1,5	7 × 1,50 mm²

2500 mm

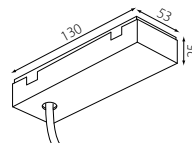


25

Einspeisung mit Design-Baldachin | Pow-
er supply with design canopy | Alimenta-
tion avec patère design | Alimentazione
con rosone da design

P33-EIN-5-DB	5 × 0,75 mm²
---------------------	--------------

2500 mm



26

Einspeisung 3-Phasen-Schiene | Power feed
3-phase-track | Alimentation pour rail 3
phases | Alimentatore per binario 3 fase

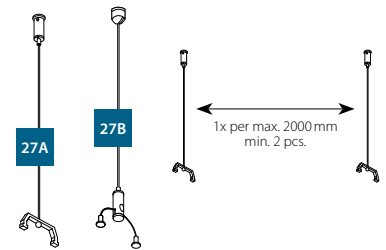
P33-EIN-3PH-WS	W	3 × 1,5 mm²
P33-EIN-3PH-SW	B	3 × 1,5 mm²

2500 mm

inkl. 3-Phasen-Universaladapter | 3 phase uni-
versal adapter incl. | adaptateur universel 3 phases
inclus | adattatori universali 3-fase

27

Seilabhängungen | Suspension ca-
bles | Câbles de suspension | Sospensione
a cavo



27A

Schnellspanner | Rapid tensioner | Tendeurs
rapides | Molla di regolazione

P33-SEI-200	2000 mm
P33-SEI-600	6000 mm

27B

Schnellspanner für Schrägdecken | Rapid
tensioner for inclined ceilings | Tendeurs
rapides pour suspension sur plafond en
soutente | Molla di regolazione per soffitti
inclinati

P58-SEI-200	2000 mm
P58-SEI-600	6000 mm

27C

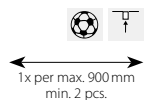
Caddyclips (T24)

P33-SEI-150-CC	1500 mm
-----------------------	---------

28

Ballwurfsicherungsbügel | Recessed-mount
bracket | Étrier d'encastrement | Staffa di
montaggio per antiurto

P33-PBB-9006-2	S
P33-PBB-9016-2	W
P33-PBB-9005-2	B



pure 3 ⇔ sinus ⇔ pure 3

29

Verbindungsstecker | Connector
Connecteur | Connettore

P33-DVS2	7-polig 7-pole 7 pôles 7-poli
-----------------	-------------------------------------

30

Lichteinsätze | Light sources
Inserts lumineux | Insertimenti di luce
p. 326

S	silver Silber argent argento RAL 9006
W	white weiß blanc bianco RAL 9016
B	black schwarz noir nero RAL 9005
A	aluminium

pure 3

Komponenten | Components | Composants | Componenti

Lichteinsätze | Light sources | Inserts lumineux | Insertimenti di luce

Luminous Flux (lm)



R_a >90 VERSIONS ON DEMAND

A++

A

satiné (LE)

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
563 mm	1332 lm	790 lm	1364 lm	812 lm	1223 lm	3316 lm	1952 lm	3432 lm	1992 lm	3146 lm
633 mm	1499 lm	888 lm	1535 lm	914 lm	1376 lm	3731 lm	2196 lm	3861 lm	2241 lm	–
703 mm	1665 lm	987 lm	1706 lm	1015 lm	1529 lm	4146 lm	2440 lm	4290 lm	2490 lm	–
773 mm	1834 lm	1062 lm	1875 lm	1093 lm	1664 lm	4560 lm	2684 lm	4719 lm	2739 lm	–
843 mm	2001 lm	1159 lm	2045 lm	1192 lm	1815 lm	4974 lm	2928 lm	5148 lm	2988 lm	–
913 mm	2168 lm	1256 lm	2215 lm	1291 lm	1966 lm	5389 lm	3172 lm	5577 lm	3237 lm	–
983 mm	2335 lm	1352 lm	2386 lm	1391 lm	2118 lm	5803 lm	3416 lm	6006 lm	3486 lm	5506 lm
1053 mm	2519 lm	1455 lm	2594 lm	1497 lm	2366 lm	6281 lm	3755 lm	6491 lm	3725 lm	5781 lm
1123 mm	2687 lm	1552 lm	2767 lm	1597 lm	2524 lm	6700 lm	4005 lm	6924 lm	3973 lm	6166 lm
1403 mm	3335 lm	1911 lm	3434 lm	1962 lm	3104 lm	8323 lm	4883 lm	8522 lm	4975 lm	7788 lm
1683 mm	4063 lm	2320 lm	4225 lm	2404 lm	3785 lm	9988 lm	5859 lm	10226 lm	5970 lm	9346 lm
2243 mm	5517 lm	3046 lm	5692 lm	3127 lm	5150 lm	13400 lm	8010 lm	13848 lm	7950 lm	12332 lm

micropism (LE) *

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
563 mm	1446 lm	852 lm	1484 lm	872 lm	1322 lm	3455 lm	2027 lm	3544 lm	2054 lm	3254 lm
633 mm	1626 lm	958 lm	1669 lm	981 lm	1487 lm	3887 lm	2280 lm	3987 lm	2311 lm	–
703 mm	1807 lm	1065 lm	1855 lm	1090 lm	1652 lm	4319 lm	2533 lm	4430 lm	2568 lm	–
773 mm	1991 lm	1150 lm	2029 lm	1173 lm	1788 lm	4751 lm	2788 lm	4873 lm	2824 lm	–
843 mm	2172 lm	1254 lm	2213 lm	1280 lm	1950 lm	5183 lm	3041 lm	5316 lm	3081 lm	–
913 mm	2353 lm	1359 lm	2397 lm	1387 lm	2113 lm	5615 lm	3294 lm	5759 lm	3338 lm	–
983 mm	2534 lm	1463 lm	2582 lm	1493 lm	2275 lm	6047 lm	3548 lm	6202 lm	3595 lm	5695 lm
1053 mm	2756 lm	1600 lm	2840 lm	1624 lm	2592 lm	6453 lm	3716 lm	6767 lm	3858 lm	6004 lm
1123 mm	2940 lm	1706 lm	3029 lm	1732 lm	2764 lm	6883 lm	3964 lm	7218 lm	4115 lm	6404 lm
1403 mm	3598 lm	2107 lm	3653 lm	2124 lm	3366 lm	8604 lm	5071 lm	8854 lm	5168 lm	8127 lm
1683 mm	4364 lm	2508 lm	4603 lm	2618 lm	4109 lm	10325 lm	6085 lm	10625 lm	6202 lm	9752 lm
2243 mm	5932 lm	3297 lm	6262 lm	3402 lm	5579 lm	13766 lm	7930 lm	14436 lm	9230 lm	12808 lm

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5% Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized-foil for increased homogeneity (- 9.5% luminous flux).

* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5% sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con una pellicola satinata per ottimizzare l'omogeneità (-9.5% del flusso luminoso).

BAP louvre (BE)

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
1125 mm	3149 lm	1774 lm	3314 lm	1867 lm	2880 lm	6760 lm	3793 lm	7115 lm	3993 lm	6183 lm
1405 mm	3976 lm	2273 lm	4185 lm	2393 lm	3637 lm	8535 lm	4838 lm	8984 lm	5093 lm	7807 lm

asymmetric (AE)

	direct					direct/indirect				
	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
564 mm	1331 lm	696 lm	1408 lm	722 lm	1115 lm	3655 lm	1945 lm	3805 lm	1984 lm	3021 lm
704 mm	1732 lm	868 lm	1823 lm	907 lm	–	4550 lm	2261 lm	4703 lm	2356 lm	–
844 mm	2015 lm	1045 lm	2121 lm	1091 lm	1684 lm	5418 lm	2881 lm	5646 lm	3022 lm	4483 lm
984 mm	2403 lm	1218 lm	2530 lm	1282 lm	–	6369 lm	3371 lm	6659 lm	3545 lm	–
1124 mm	2694 lm	1426 lm	2836 lm	1500 lm	2252 lm	7389 lm	3853 lm	7778 lm	4056 lm	6176 lm
1404 mm	3356 lm	1764 lm	3533 lm	1857 lm	2805 lm	9237 lm	4821 lm	9728 lm	5075 lm	7714 lm
1684 mm	3998 lm	2151 lm	4208 lm	2265 lm	3341 lm	11032 lm	5732 lm	11612 lm	6034 lm	9220 lm

RGBW

RGBW

direct satiné

260 lm/m 5,7 W/m

Länge | Length | Longueur | Lunghezza

563 / 703 / 843 / 983 / 1123 / 1403 mm

direct/indirect satiné

660 lm/m 11 W/m

indirect

400 lm/m 6,1 W/m

Länge | Length | Longueur | Lunghezza

983 / 1123 / 1403 mm

figures lm & W in 3000 K (830)

1 ⇒ Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné or microprism	LE
BAP louvre	BE
asymmetric	AE

2 direct | direct/indirect

direct	1
direct/indirect	2
indirect (only for RGBW)	9

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830, 3000 K	830
LF840, 4000 K	840
2700 - 6500 K dynamic white	HCL
RGBW (satiné only)	RGB-W

4 Output

low output	L
high output	H
dynamic white / RGBW	

Beispiel | Example | Exemple | Esempio

Asymmetric, 704 mm direct, low output, non-dim, 3000 K

P33-AE1-830L-070

Beispiel | Example | Exemple | Esempio

Versions satiné or microprism. 1123 mm direct/indirect, high output, DALI, 4000 K

P33-LE2-840H-112-DA

5 Länge | Length | Longueur | Lunghezza

satiné/microprism		asymmetric		BAP louvre	
563 mm	056	564 mm	056	1125 mm	112
633 mm	063	704 mm	070	1405 mm	140
703 mm	070	844 mm	084		
773 mm	077	984 mm	098		
843 mm	084	1124 mm	112		
913 mm	091	1404 mm	140		
983 mm	098	1684 mm	168		
1053 mm	105				
1123 mm	112				
1403 mm	140				
1683 mm	168				
2243 mm	224				

6 DIM

non-dim	
DALI-dim	- DA

Beispiel | Example | Exemple | Esempio

BAP louvre, 1426 mm direct, dynamic white

P33-BE1-HCL-142

Beispiel | Example | Exemple | Esempio

satiné, 1403 mm, indirect, RGBW

P33-LE9-RGB-W-140

System Power (W)

satiné microprism	direct			direct/indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
563 mm	14 W	9 W	16 W	27 W	16 W	28 W
633 mm	16 W	10 W	18 W	31 W	18 W	–
703 mm	18 W	11 W	20 W	34 W	20 W	–
773 mm	19 W	11,5 W	21 W	36 W	21 W	–
843 mm	21 W	12,5 W	23 W	39 W	22 W	–
913 mm	23 W	14 W	24 W	43 W	24 W	–
983 mm	24 W	15 W	26 W	46 W	26 W	47 W
1053 mm	25 W	15 W	26 W	50 W	27 W	50 W
1123 mm	27 W	16 W	28 W	53 W	29 W	54 W
1403 mm	33 W	19 W	34 W	64 W	36 W	66 W
1683 mm	40 W	22 W	40 W	76 W	42 W	77 W
2243 mm	53 W	29 W	54 W	107 W	55 W	108 W

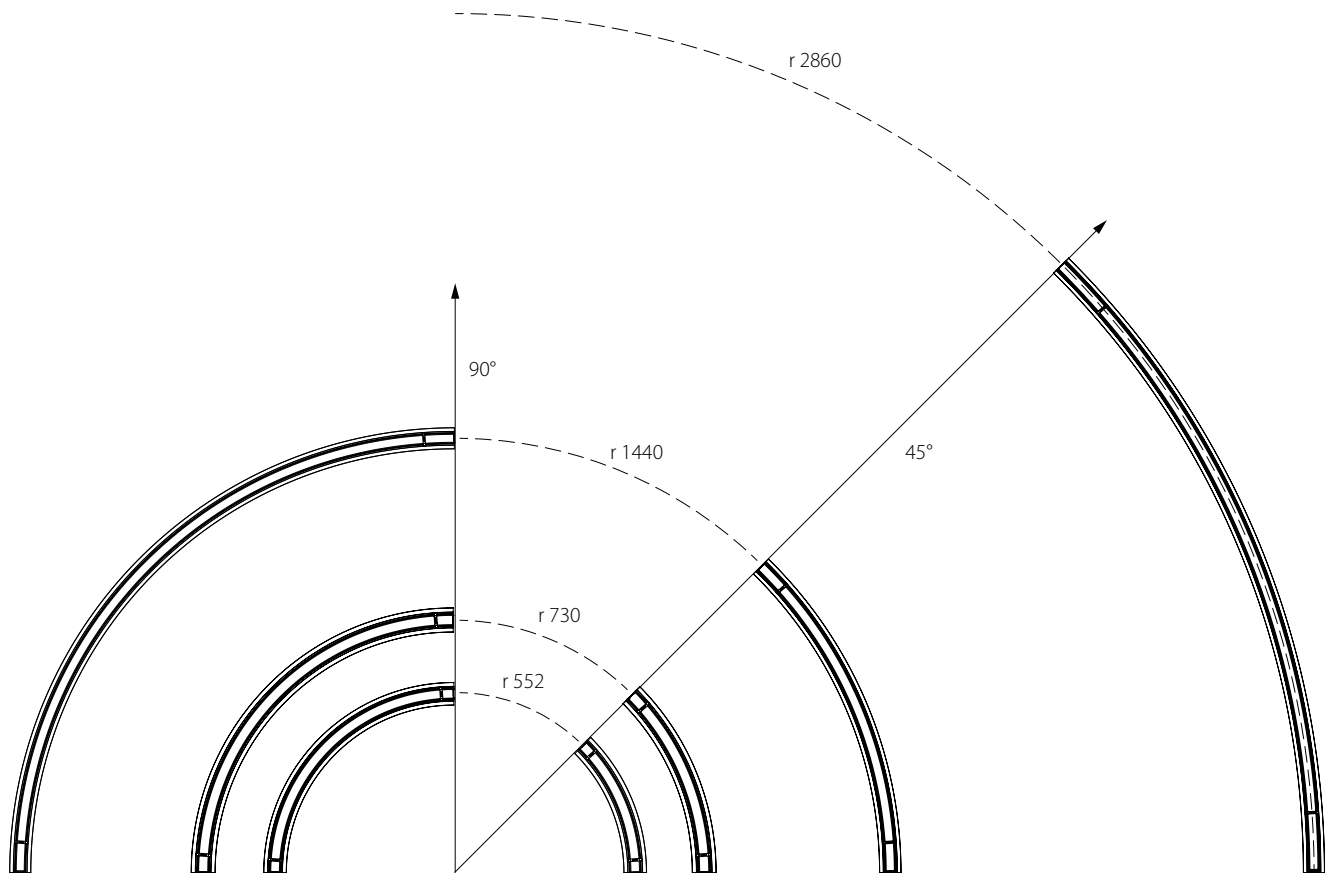
BAP louvre	direct			direct/indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
1125 mm	28 W	16 W	23 W	53 W	29 W	44 W
1405 mm	35 W	19 W	29 W	69 W	38 W	47 W

asymmetric	direct			direct/indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
564 mm	17 W	9 W	13 W	30 W	16 W	23 W
704 mm	20 W	11 W	–	37 W	18 W	–
844 mm	24 W	13 W	18 W	44 W	23 W	33 W
984 mm	27 W	14 W	–	51 W	26 W	–
1124 mm	30 W	16 W	23 W	58 W	29 W	44 W
1404 mm	37 W	19 W	29 W	75 W	38 W	57 W
1684 mm	44 W	23 W	34 W	90 W	45 W	68 W



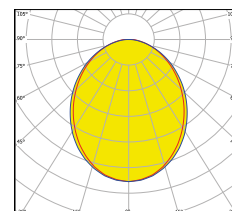
Emergency add-ons

P33-NOT-3H-LED	3 h battery
P33-NOT-ZVS-INOTEC	INOTEC monitoring component for central current supply (direct 983 mm / direct/indirect 1403 mm only)

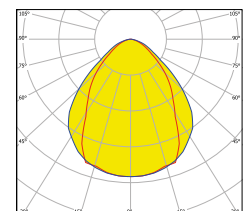


System Power (W)

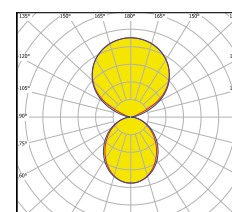
satiné micropism	direct			direct/indirect		
	high output	low output	dynamic white	high output	low output	dynamic white
45°, r 552 mm	10,5 W	6,3 W	—	20 W	11 W	—
90°, r 552 mm	21 W	12,5 W	23 W	40 W	22 W	40 W
45°, r 730 mm	14,5 W	9 W	16 W	27 W	16 W	28 W
90°, r 730 mm	27 W	16 W	28 W	53 W	29 W	54 W
45°, r 1440 mm	27 W	16 W	28 W	53 W	29 W	54 W
90°, r 1440 mm	53 W	29 W	54 W	107 W	55 W	108 W
45°, r 2860 mm	26 W	29 W	54 W	107 W	55 W	108 W



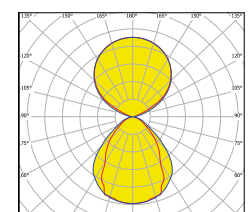
satiné direct



micropism direct



satiné direct/indirect



micropism direct/indirect



230V IP40 $R_a > 80$ up to L90/50.000h

MacAdam 3 DALI switchDIM



LED

3000 K, 4000 K, dynamic white

up to 118 lm/W

$R_a > 80$, MacAdam 3

non-dim / DALI dim

IEC 62471: Blue light hazard: RG≤1

Lifetime up to L90 / 50.000 h

Optic

direct

satiné

micropism for reduced brightness

Options

RAL of your choice

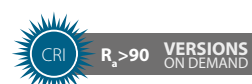
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Montageart | Mounting | Montage | Montaggio

Aufbauleuchte Surface-mount luminaire Luminaire en saillie a soffitto	A
Hängeleuchte Pendant luminaire Suspension Sospensione	H
Einbauleuchte Recessed luminaire Luminaire encastré da incasso FRAME	E

2 Winkel/Radius | Angle/Radius | Angle/Rayon | Angolo/Raggio

45°, r 552 mm	14
90°, r 552 mm	19
45°, r 730 mm	34
90°, r 730 mm	39
45°, r 1440 mm	54
90°, r 1440 mm	59
45°, r 2860 mm	74

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

4 direct | direct/indirect

direct	1
direct/indirect (pendant only)	2

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840
2700-6500 K dynamic white	HCL

6 Output / DIM

low output non-dim	L1
low output DALI	L3
high output DALI	H3
dynamic white	X3

7 Diffusoren | Diffusers | Diffuseurs | Diffusori

satiné	S
microprism	M

Beispiel | Example | Exemple | Esempio

45°, r 552 mm, white, pendant direct/indirect, 3000 K, high output DALI, satiné

P33-H14-9016E2830H3S

Luminous Flux (lm)

satiné (S)

	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
45°, r 552 mm	1000 lm	579 lm	1022 lm	596 lm	–	2487 lm	1464 lm	2574 lm	1494 lm	–
90°, r 552 mm	2001 lm	1159 lm	2045 lm	1192 lm	1815 lm	4974 lm	2928 lm	5148 lm	2988 lm	4719 lm
45°, r 730 mm	1336 lm	790 lm	1364 lm	812 lm	1223 lm	3316 lm	1952 lm	3432 lm	1992 lm	3146 lm
90°, r 730 mm	2687 lm	1552 lm	2767 lm	1597 lm	2524 lm	6700 lm	4005 lm	6294 lm	3973 lm	6166 lm
45°, r 1440 mm	2687 lm	1552 lm	2767 lm	1597 lm	2524 lm	6700 lm	4005 lm	6294 lm	3973 lm	6166 lm
90°, r 1440 mm	5517 lm	3046 lm	5692 lm	3127 lm	5150 lm	13400 lm	8010 lm	13848 lm	7950 lm	12332 lm
45°, r 2860 mm	5517 lm	3046 lm	5692 lm	3127 lm	5150 lm	13400 lm	8010 lm	13848 lm	7950 lm	12332 lm

microprism (M) *

	3000 K		4000 K		dynamic white	3000 K		4000 K		dynamic white
	high output	low output	high output	low output	2700-6500 K	high output	low output	high output	low output	2700-6500 K
45°, r 552 mm	1086 lm	627 lm	1106 lm	640 lm	–	2591 lm	1521 lm	2658 lm	1541 lm	–
90°, r 552 mm	2172 lm	1254 lm	2213 lm	1280 lm	1950 lm	5183 lm	3041 lm	5316 lm	3081 lm	4881 lm
45°, r 730 mm	1450 lm	852 lm	1484 lm	872 lm	1322 lm	3455 lm	2027 lm	3544 lm	2054 lm	3254 lm
90°, r 730 mm	2940 lm	1706 lm	3029 lm	1732 lm	2764 lm	6883 lm	3964 lm	7218 lm	4115 lm	6404 lm
45°, r 1440 mm	2940 lm	1706 lm	3029 lm	1732 lm	2764 lm	6883 lm	3964 lm	7218 lm	4115 lm	6404 lm
90°, r 1440 mm	5932 lm	3297 lm	6262 lm	3402 lm	5579 lm	13766 lm	7930 lm	14436 lm	8230 lm	12808 lm
45°, r 2860 mm	5932 lm	3297 lm	6262 lm	3402 lm	5579 lm	13766 lm	7930 lm	14436 lm	8230 lm	12808 lm

Weight (kg)

	direct	direct/indirect
45°, r 552 mm	1,6 kg	1,7 kg
90°, r 552 mm	3,2 kg	3,5 kg
45°, r 730 mm	2,1 kg	2,3 kg
90°, r 730 mm	4,2 kg	4,5 kg
45°, r 1440 mm	4,0 kg	4,4 kg
90°, r 1440 mm	8,0 kg	8,7 kg
45°, r 2860 mm	7,9 kg	8,6 kg

* Der angegebene Lichtstrom bezieht sich auf die Leuchte mit klarer mikroprismatischer Abdeckung. Die Leuchte wird mit satinierter Folie zur Erhöhung der Homogenität geliefert (- 9,5 % Lichtstrom).

* The indicated luminous flux corresponds to the luminaire with a clear microprismatic diffuser. The luminaire is delivered with a satinized foil for increased homogeneity (- 9.5 % luminous flux).

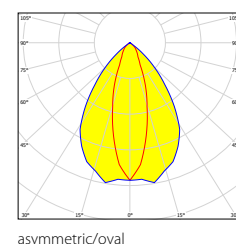
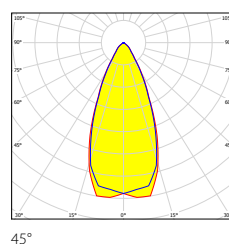
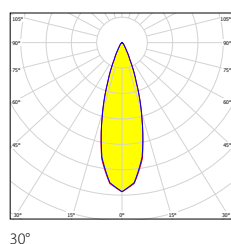
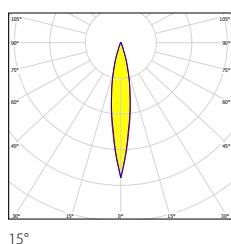
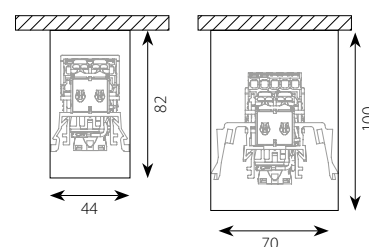
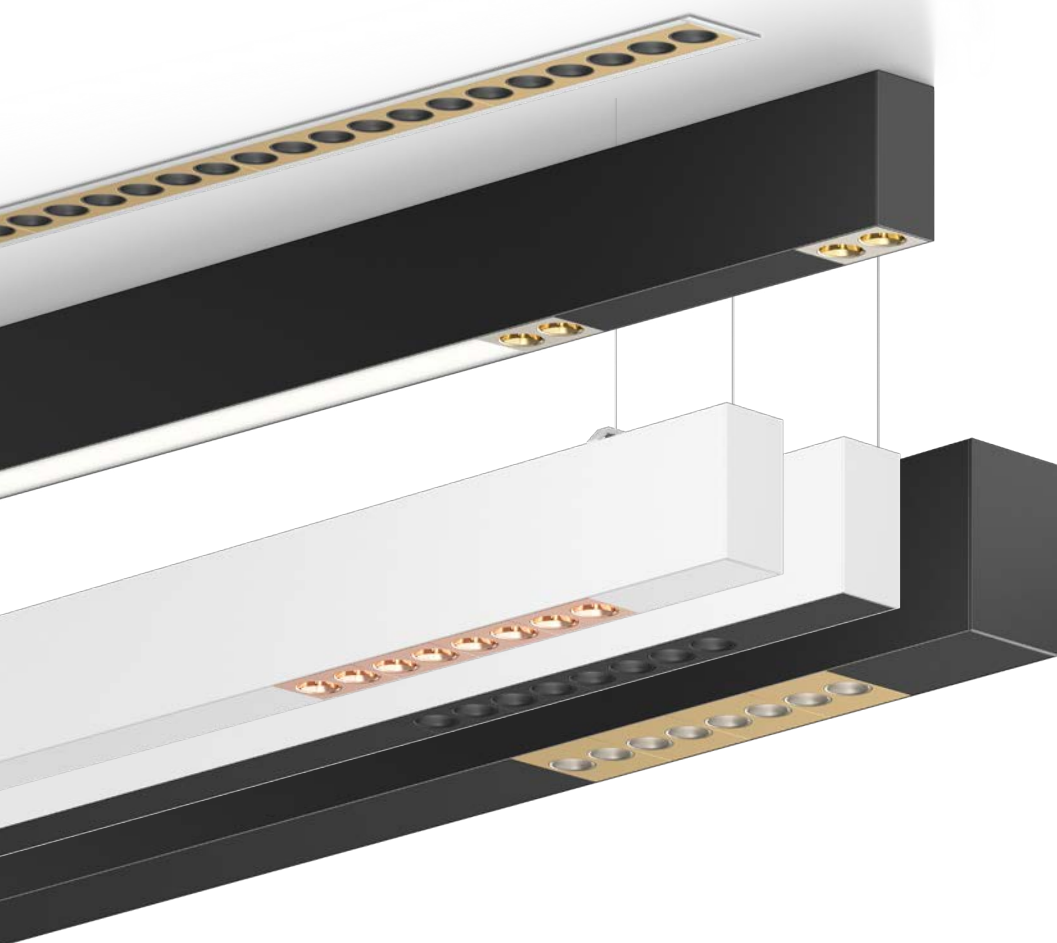
* Le flux lumineux indiqué correspond au luminaire avec diffuseur microprismatique transparent. Le luminaire est livré avec un film satiné pour optimiser l'homogénéité (- 9,5 % sur le flux lumineux).

* Il flusso luminoso indicato corrisponde all'apparecchio con diffusore microprismatico trasparente. La lampada é fornita con un foglio satinato per ottimizzare l'omogeneità (-9.5% del flusso luminoso).



anto+ inset p.forty & pure 3

Inset p.forty & pure 3



230V IP20 $R_g > 90$ UGR<16 up to L80/50.000h

MacAdam 3

DALI switchDIM



LED

2700K, 3000K, 4000K, dynamic white

up to 91 lm/W

$R_g > 90$, UGR<16, MacAdam 3

non-dim/DALI dim

IEC 62471: Blue light hazard: RG≤1

Lifetime

up to L80/50.000h

Optic

direct

15°, 30°, 45°, asymmetric

Options

different lens tube and mask colours

1 Spots

2 spots	02
4 spots	04
6 spots (2 x 100 mm Blind Cover)	06
8 spots (2 x 100 mm Blind Cover)	08
12 spots (2 x 100 mm Blind Cover)	12
18 spots	18
30 spots	30

2 Lens tube colour

high-gloss silver	B	black (RAL 9005)	N
silver matte	P	glaring gold	D
high-gloss gold	G	capital copper	R
high-gloss copper	K	gunnery grey	Y
white (RAL 9016) *	W	black chrome matte	C

* versions UGR>16

3 Mask colour

high-gloss silver	B	black (RAL 9005)	N
silver matte	P	glaring gold	D
high-gloss gold	G	capital copper	R
high-gloss copper	K	gunnery grey	Y
white (RAL 9016)	W	black chrome matte	C

4 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

2700 K	927
3000 K	930
4000 K	940
2700 - 6500 K dynamic white	HCL

5 Output

medium output	M
dynamic white	X

6 DIM

non-dim	1
DALI, dynamic white	3

7 Ausstrahlwinkel | Emission angle | Angle de rayonnement | Angolo di fascio

15°	1
30°	3
45°	4
asymmetric	A

Beispiel | Example | Esempio

Inset 18 spots, lens tube silver matte, mask black chrome matte, 4000 K, non-dim, emittance angle 45°

P-A18-PC940M14

Luminous Flux (lm)

anto+ / lens tube silver matte



	2700 K				3000 K				4000 K				dynamic white +			
	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.
2 spots	241 lm	220 lm	184 lm	193 lm	246 lm	224 lm	188 lm	197 lm	256 lm	234 lm	196 lm	205 lm	—	—	—	—
4 spots	478 lm	435 lm	365 lm	382 lm	487 lm	444 lm	372 lm	390 lm	507 lm	463 lm	389 lm	406 lm	—	—	—	—
6 spots	737 lm	672 lm	564 lm	590 lm	752 lm	685 lm	575 lm	602 lm	783 lm	714 lm	600 lm	627 lm	—	—	—	—
8 spots	989 lm	900 lm	756 lm	791 lm	1008 lm	919 lm	770 lm	807 lm	1049 lm	958 lm	805 lm	840 lm	—	—	—	—
12 spots	1526 lm	1391 lm	1167 lm	1221 lm	1557 lm	1418 lm	1190 lm	1246 lm	1621 lm	1478 lm	1242 lm	1298 lm	—	—	—	—
18 spots	2211 lm	2016 lm	1692 lm	1770 lm	2256 lm	2055 lm	1725 lm	1806 lm	2349 lm	2142 lm	1800 lm	1181 lm	1128 lm	1028 lm	863 lm	903 lm
30 spots	3471 lm	3165 lm	2656 lm	2779 lm	3542 lm	3226 lm	2708 lm	2835 lm	3688 lm	3363 lm	2826 lm	2953 lm	1770 lm	1614 lm	1355 lm	1417 lm

+ dynamic white lumens = 2700 K. Lumens 6500 K ca. + 11%

System Power (W)

		dyn. white
2 spots	4,1 W	—
4 spots	7,7 W	—
6 spots	10 W	—
8 spots	14 W	—
12 spots	19 W	—
18 spots	29 W	17 W
30 spots	47 W	27 W



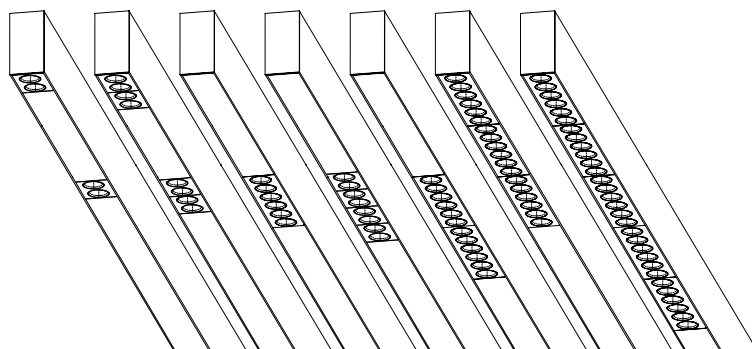
Weight (g)

	Inset p.forty		Inset pure 3	
	non-dim	DALI/HCL	non-dim	DALI/HCL
2 spots	80 g	—	90 g	—
4 spots	120 g	—	130 g	—
6 spots	290 g	380 g	330 g	420 g
8 spots	450 g	500 g	490 g	540 g
12 spots	530 g	560 g	570 g	600 g
18 spots	570 g	610 g	610 g	650 g
30 spots	950 g	1000 g	990 g	1040 g

Variations anto+ Insets

	MEDIUM OUTPUT		DYNAMIC
	non-dim	DALI	WHITE
2 spots	YES	NO	NO
4 spots	YES	NO	NO
6 spots	YES	YES	NO
8 spots	YES	YES	NO
12 spots	YES	YES	YES
18 spots	YES	YES	YES
30 spots	YES	YES	YES

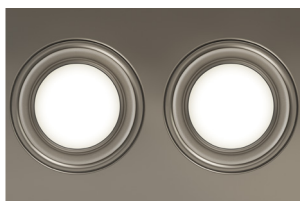
■ YES
■ NO
■ YES, BLIND COVERS



anto+

Inset p.forty & pure 3

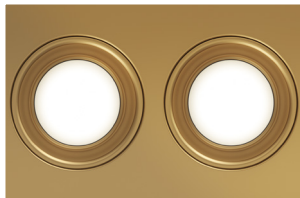
gunnery
grey



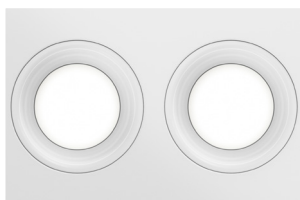
high-gloss
gold



glaring
gold



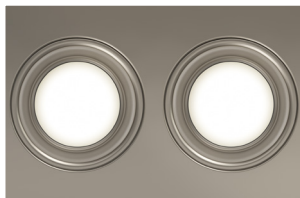
white
9016



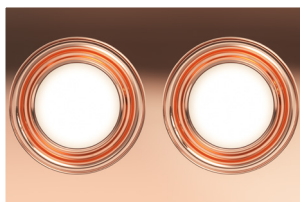
black
9005



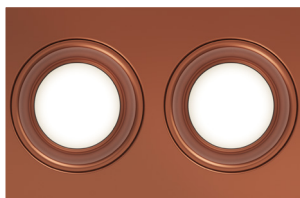
black chrome
matte



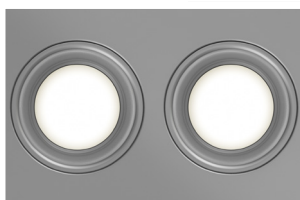
high-gloss
copper



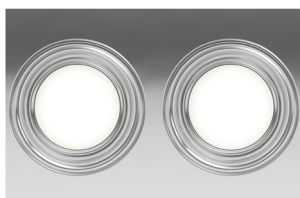
capital
copper



silver
matte



high-gloss
silver

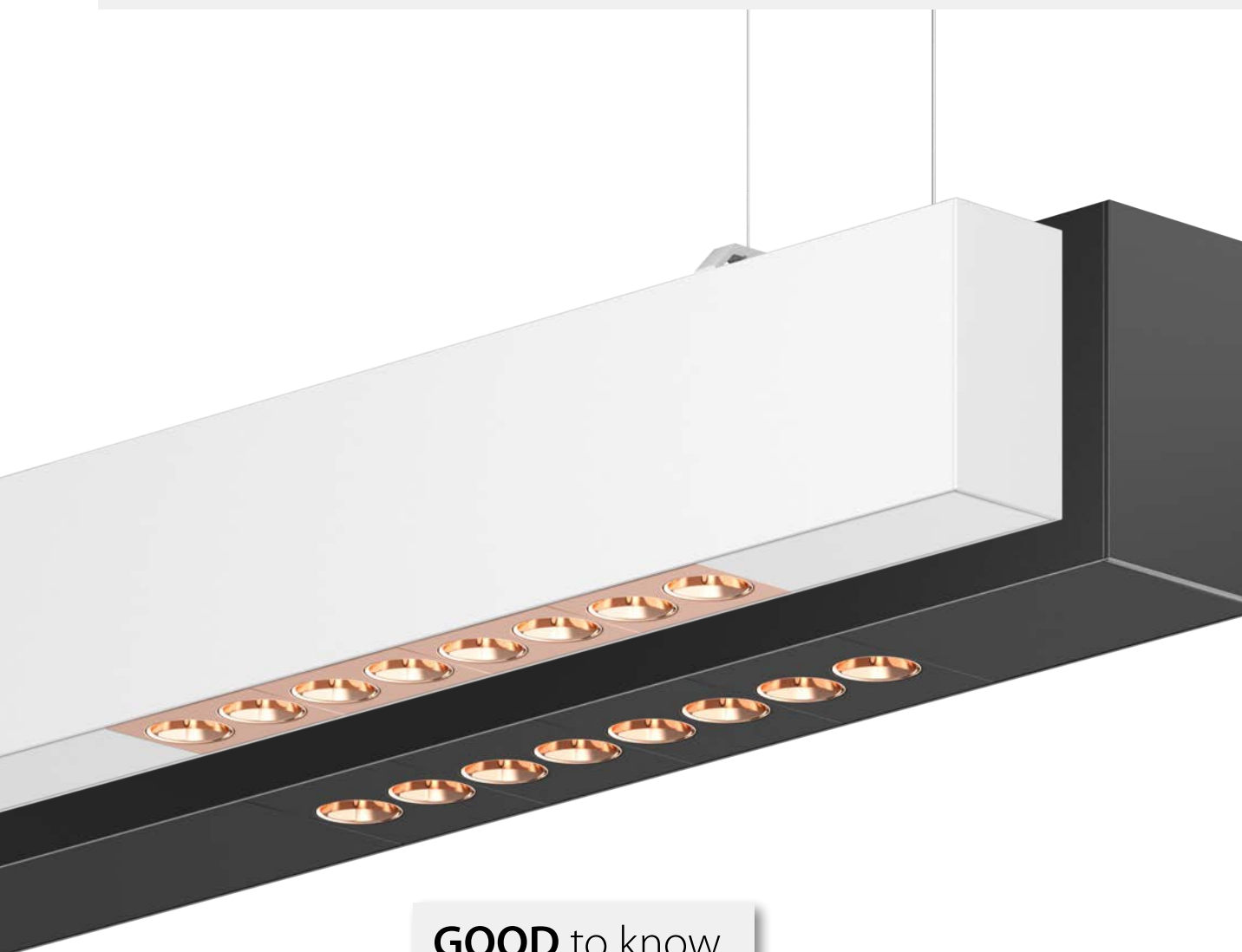


COMPARE LENS TUBES

anto+ / inset 18 spots

lens tube	2700 K				3000 K				4000 K				dynamic white +			
	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.
silver matte	2211 lm	2016 lm	1692 lm	1770 lm	2256 lm	2055 lm	1725 lm	1806 lm	2349 lm	2142 lm	1800 lm	1181 lm	1128 lm	1028 lm	863 lm	903 lm
high-gloss silver	2364 lm	2169 lm	1986 lm	2124 lm	2412 lm	2211 lm	2025 lm	2166 lm	2511 lm	2307 lm	2112 lm	2303 lm	1206 lm	1106 lm	1013 lm	1083 lm
white 9016	2307 lm	2124 lm	1848 lm	1944 lm	2352 lm	2166 lm	1884 lm	1983 lm	2451 lm	2256 lm	1965 lm	2150 lm	1177 lm	1083 lm	942 lm	991 lm
black 9005	2118 lm	1920 lm	1497 lm	1494 lm	2160 lm	1959 lm	1527 lm	1524 lm	2250 lm	2040 lm	1590 lm	1587 lm	1080 lm	979 lm	763 lm	762 lm
high-gloss gold	2349 lm	2154 lm	1983 lm	2121 lm	2397 lm	2196 lm	2022 lm	2163 lm	2496 lm	2289 lm	2109 lm	2277 lm	1198 lm	1097 lm	1011 lm	1082 lm
high gloss copper	2325 lm	2145 lm	1983 lm	2067 lm	2373 lm	2187 lm	2022 lm	2109 lm	2472 lm	2280 lm	2106 lm	2213 lm	1186 lm	1094 lm	1011 lm	1054 lm
glaring gold	2172 lm	1971 lm	1584 lm	1644 lm	2214 lm	2010 lm	1617 lm	1677 lm	2310 lm	2094 lm	1683 lm	1746 lm	1108 lm	1005 lm	808 lm	838 lm
capital copper	2151 lm	1944 lm	1512 lm	1566 lm	2193 lm	1983 lm	1542 lm	1596 lm	2286 lm	2067 lm	1608 lm	1655 lm	1097 lm	991 lm	771 lm	799 lm
gunnery grey	2202 lm	1980 lm	1590 lm	1650 lm	2247 lm	2019 lm	1623 lm	1683 lm	2340 lm	2106 lm	1689 lm	1755 lm	1123 lm	1010 lm	811 lm	842 lm
black chrome matte	2244 lm	2043 lm	1716 lm	1803 lm	2289 lm	2085 lm	1749 lm	1839 lm	2385 lm	2172 lm	1824 lm	1914 lm	1144 lm	1042 lm	875 lm	920 lm

+ dynamic white lumens = 2700 K. Lumens 6500 K ca. + 11%

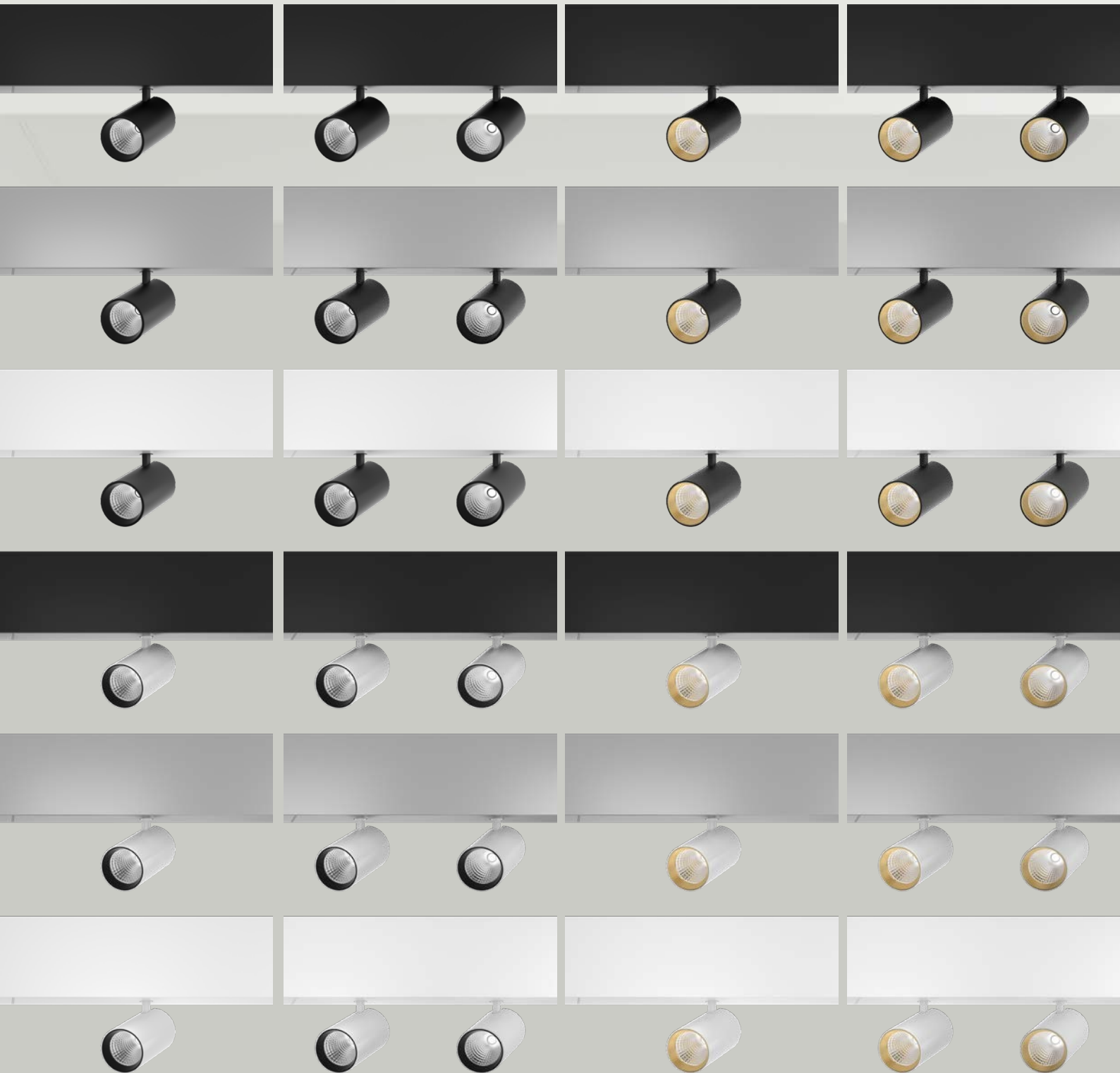


GOOD to know

anto+ masks can cover 2 or 6 spots.

zenit S inset p.forty & pure 3

VARIATIONS





1 Spots

1 Spot	1
2 Spots	2



3 Gehäusefarbe
Housing colour
Couleur du luminaire
Colore profilo

weiß white blanc bianco	W
schwarz black noir nero	S

2 Entblendvorsatz | Anti-glare attachment
Module anti-éblouissement | Modulo anti-abbagliamento

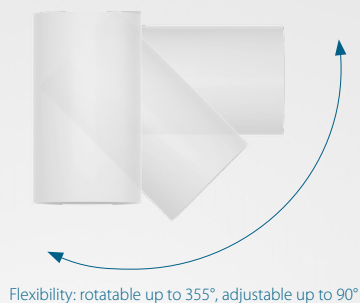
gold gold or oro	G
schwarz black noir nero	S

4 Farbe Blindabdeckung | Blank cover colour | Couleur du cache opaque | Colore elemento chieco

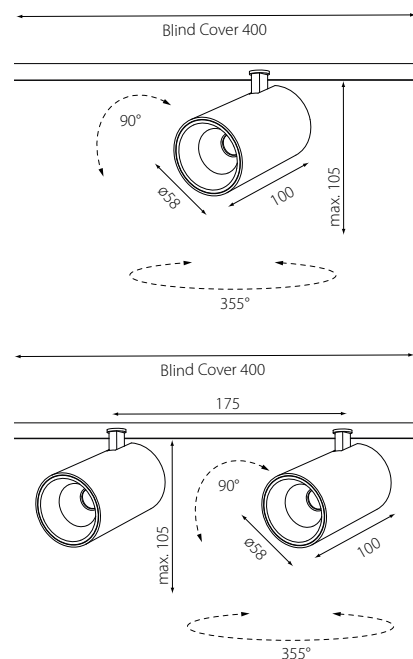
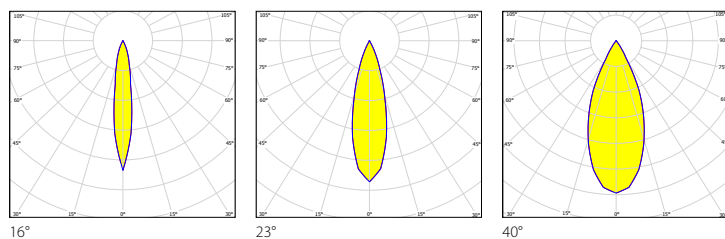
weiß white blanc bianco	WS
schwarz black noir nero	SW
silber silver argent argento	SI

zenit S inset p.forty & pure 3

Strahler | Spotlight | Projecteur | Proiettore Inset p.forty & pure 3



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ UGR<16 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

2700 K, 3000 K, 3500 K, 4000 K

up to 117 lm/W

$R_a > 80/90$, MacAdam 3

non-dim / DALI dim

Blue light hazard: RG≤1 IEC 62471

Lifetime

up to L80 / 50.000 h

Optic

Reflector: 16°, 23°, 40°

Flexibility

rotatable up to 355°, adjustable up to 90°

Options

Honeycomb glare protection

Oval spot lens

Clear protective glass

Blur glass

Housing

powder coated

white

black

1 Spots

1 Spot	1
2 Spots	2

2 Entblendvorsatz | Anti-glare attachment
Module anti-éblouissement | Modulo anti-abbagliamento

gold gold or oro	G
schwarz black noir nero	S

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	W
schwarz black noir nero	S

4 Farbe Blindabdeckung | Blank cover colour
Couleur du cache opaque | Colore elemento chieco

weiß white blanc bianco	WS
schwarz black noir nero	SW
silber silver argent argento	SI

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940

6 Output

low output	L
high output	H

7 non-dim, DALI dim

non-dim	1
DALI	3

8 Reflektor | Reflector | Réflecteur | Riflettore

16°	1
23°	2
40°	4

Beispiel | Example | Esempio

Inset pure 3, 2 Spots black, anti-glare cone gold, LF940, high output, DALI, 23°, blank cover in white

P33-Z2S-GSWS940H32

Luminous Flux (lm) *

	low output		high output		low output		high output		low output		high output	
	16°		16°		23°		23°		40°		40°	
	gold	black	gold	black	gold	black	gold	black	gold	black	gold	black
LF830 3000 K	820 lm	796 lm	1161 lm	1127 lm	784 lm	761 lm	1112 lm	1079 lm	768 lm	746 lm	1088 lm	1056 lm
LF840 4000 K	859 lm	834 lm	1217 lm	1181 lm	825 lm	801 lm	1172 lm	1138 lm	803 lm	779 lm	1139 lm	1106 lm
LF927 2700 K	644 lm	625 lm	913 lm	887 lm	623 lm	605 lm	881 lm	855 lm	609 lm	591 lm	862 lm	837 lm
LF930 3000 K	672 lm	653 lm	933 lm	906 lm	646 lm	627 lm	903 lm	877 lm	631 lm	613 lm	878 lm	852 lm
LF935 3500 K	704 lm	683 lm	987 lm	958 lm	679 lm	659 lm	952 lm	924 lm	660 lm	641 lm	925 lm	898 lm
LF940 4000 K	713 lm	692 lm	988 lm	960 lm	686 lm	666 lm	943 lm	916 lm	667 lm	647 lm	921 lm	895 lm

Weight (kg) *

zenit S	0,3 kg
---------	--------

System Power (W) *

	low output	high output
zenit S	7 W	11 W

* figures per single spot

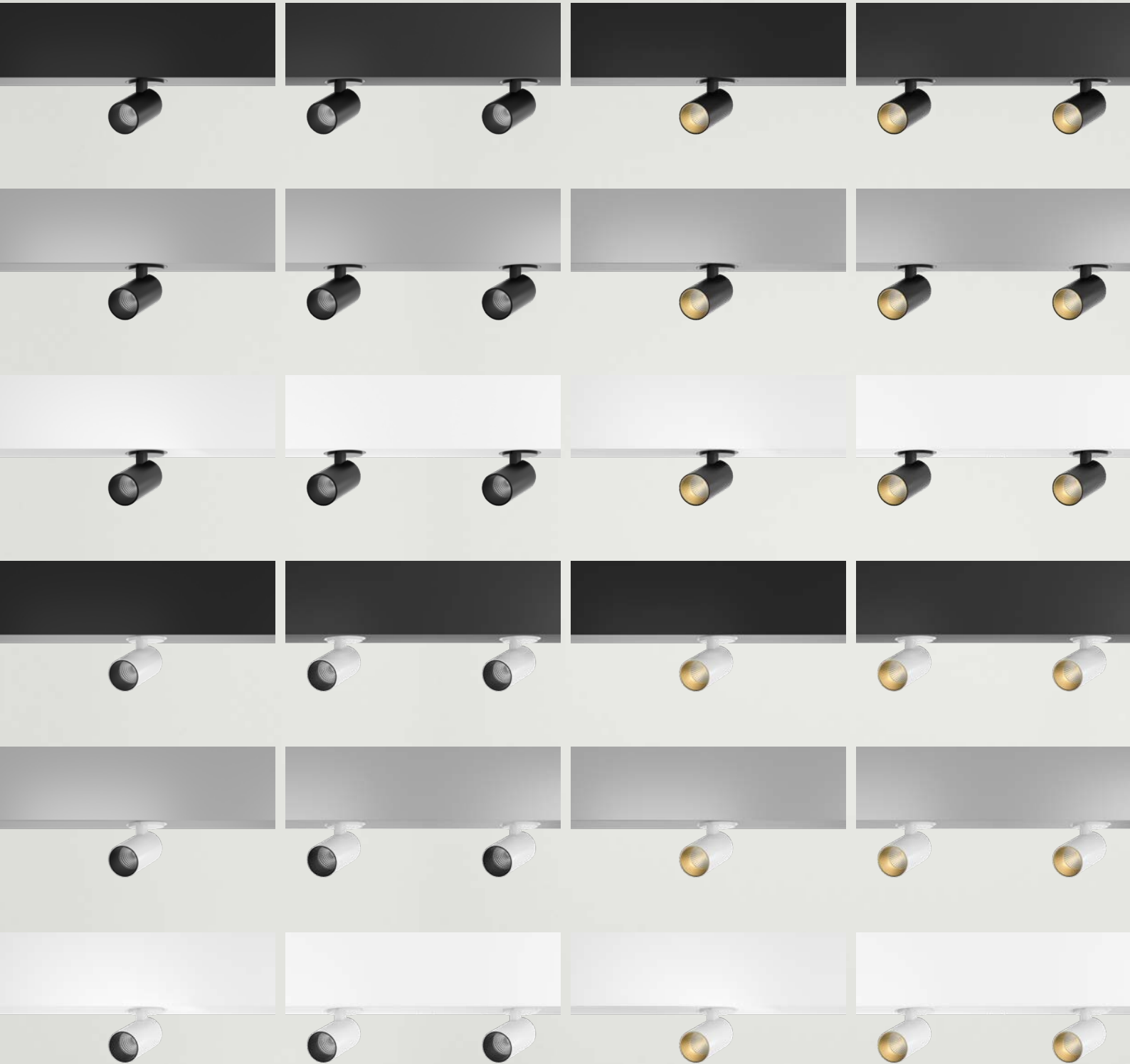


Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster Honeycomb glare protection Filtre anti-éblouissement nid d'abeilles Filtro anti-abbagliamento a nido d'ape	S10-BLE-58
Ovalzeichnerlinse Oval spot lens Lentille ovalisante Lenti ovalizzanti	S10-OZL-58
Klares Schutzglas Clear protective glass Verre de protection transparent Vetro di protezione trasparente	S10-SGL-58
Weichzeichnerglas Blur glass Verre effet flou Vetro con effetto sfocatura	S10-WGL-58

zenit XS inset pure 3

VARIATIONS





1 Spots

1 Spot	1
2 Spots	2

2 Entblendvorsatz | Anti-glare attachment
Module anti-éblouissement | Modulo anti-abbagliamento

gold gold or oro	G
schwarz black noir nero	S

3 Gehäusefarbe
Housing colour
Couleur du luminaire
Colore profilo

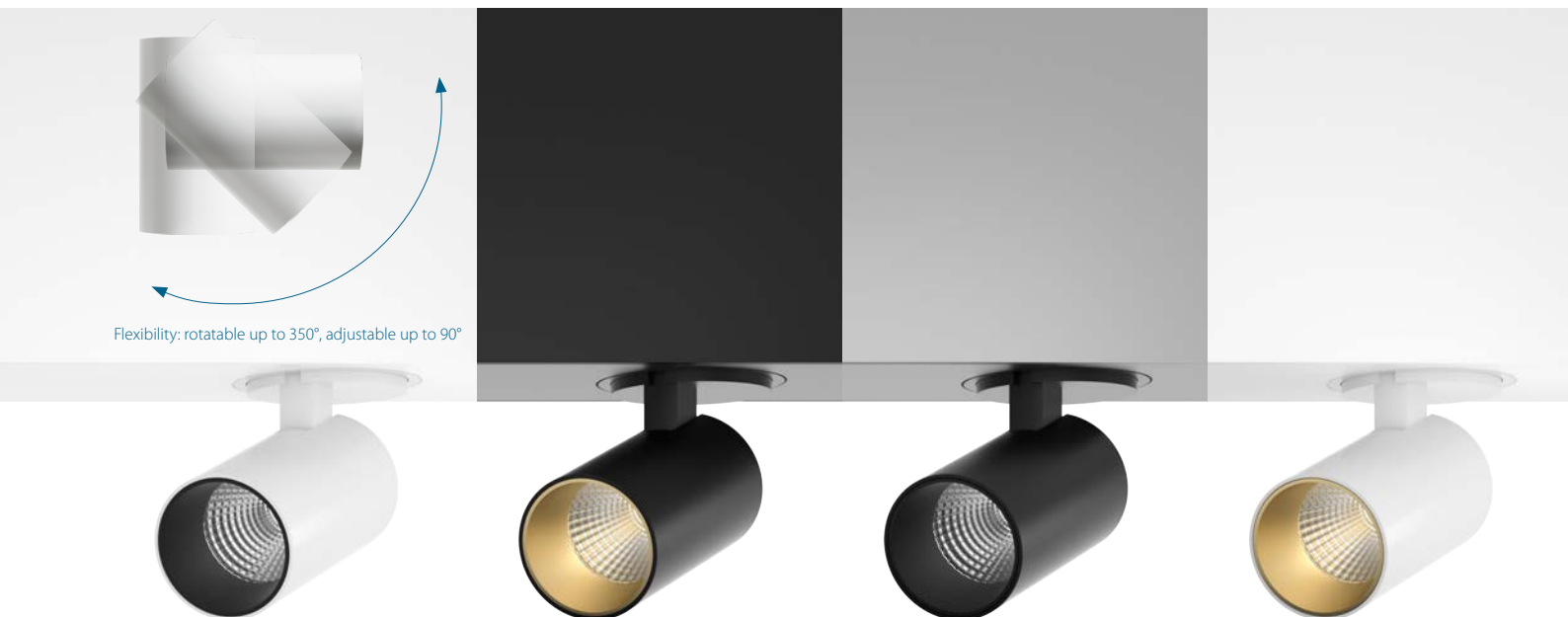
weiß white blanc bianco	W
schwarz black noir nero	S

4 Farbe Blindabdeckung | Blank cover colour | Couleur du cache opaque | Colore elemento chieco pure 3

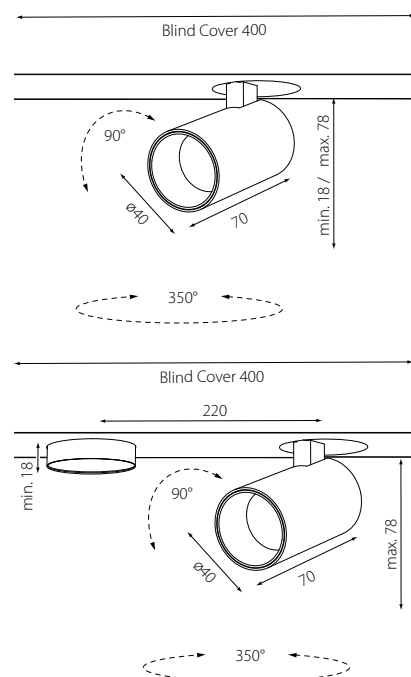
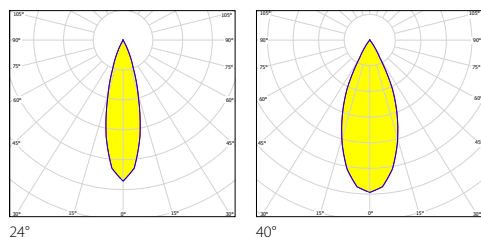
weiß white blanc bianco	WS
schwarz black noir nero	SW
silber silver argent argento	SI

zenit XS inset pure 3

Strahler | Spotlight | Projecteur | Proiettore Inset pure 3



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ UGR < 16 up to L80/50.000h MacAdam 3 DALI switchDIM

LED

2700 K, 3000 K, 4000 K

up to 69 lm/W

$R_a > 80/90$, MacAdam 3

non-dim / DALI dim

Blue light hazard: $RG \leq 1$ IEC 62471

Lifetime

up to L80 / 50.000 h

Optic

Reflector: 24°, 40°

Flexibility

rotatable up to 350°, adjustable up to 90°

Options

Honeycomb glare protection

Oval spot lens

Blur glass

Housing

powder coated

white

black

1 Spots

1 Spot	1
2 Spots	2

2 Entblendvorsatz | Anti-glare attachment
Module anti-éblouissement | Modulo anti-abbagliamento

gold gold or oro	G
schwarz black noir nero	S

3 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	W
schwarz black noir nero	S

4 Farbe Blindabdeckung | Blank cover colour pure 3
Couleur du cache opaque | Colore elemento di chiusura pure 3

weiß white blanc bianco	WS
schwarz black noir nero	SW
silber silver argent argento	SI

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF940 4000 K	940

6 non-dim, DALI

non-dim	1
DALI	3

7 Reflektor | Reflector | Réflecteur | Riflettore

24°	2
40°	4

Beispiel | Example | Esempio

2 spots white, anti-glare cone black, LF930, high output, non-dim, 40°, blank cover pure 3 in white

P33-Z2XS-SWWS930H14

Luminous Flux (lm) *

	24°		40°	
	gold	black	gold	black
LF830 3000 K	507 lm	453 lm	496 lm	443 lm
LF840 4000 K	529 lm	473 lm	518 lm	463 lm
LF927 2700 K	380 lm	340 lm	373 lm	333 lm
LF930 3000 K	404 lm	361 lm	395 lm	353 lm
LF940 4000 K	433 lm	387 lm	423 lm	378 lm

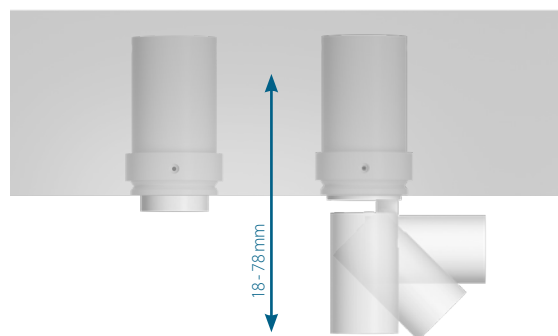
System Power (W) *

zenit XS	7,7 W
----------	-------

Weight (kg) *

zenit XS	0,3 kg
----------	--------

* figures per single spot



<https://katalog.planlicht.com>

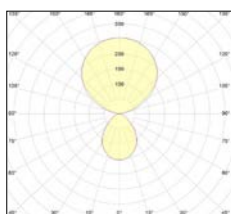


Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster Honeycomb glare protection Filtre anti-éblouissement nid d'abeilles Filtro anti-abbagliamento a nido d'ape	S10-BLE-40
Ovalzeichnerlinse Oval spot lens Lentille ovalisante Lenti ovalizzanti	S10-OZL-40
Weichzeichnerglas Blur glass Verre effet flou Vetro con effetto sfocatura	S10-WGL-40

xerxes

Stehleuchte | Floor lamp | Lampadaire | Lampada a stelo



220-240V IP20 $R_a > 90$ UGR < 13 up to L80/50.000h MacAdam 3 DALI switchDIM



LED

3000K, 4000K, dynamic white

up to 113 lm/W

$R_a > 90$, UGR < 13, MacAdam 3

non-dim / DALI

IEC 62471: Blue light hazard: $RG \leq 1$

Lifetime up to L80 / 50.000h

Optic

direct / indirect

microprism

Options

Motion and day-light sensor (p. 446)

$R_a > 80$

Housing

powder coated

silver

white

black

1 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento	SISI
weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF930, 3000 K	930
LF940, 4000 K	940
2700 - 6500 K dynamic white	HCL

3 Dimming & sensors

dimmable, no sensor	3
daylight and motion sensor	7

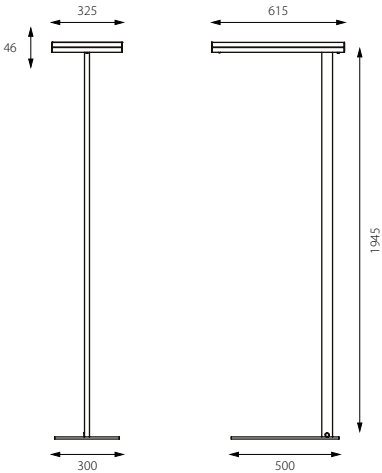
Beispiel | Example | Exemple | Esempio

white, 4000 K, Sensor

T59T061-WSWSC2940X7M

	3000 K	4000 K	dynamic white
Luminous Flux (lm)	8230 lm	8670 lm	7630 lm
System Power (W)	78 W	78 W	67 W

Weight (kg) 13,7 kg



leda

p. 382



oslo

p. 382



toulon

p. 383



spot 85RZ

p. 384



spot 90EZ

p. 384



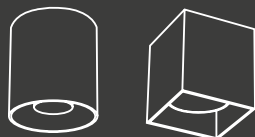
spot 82

p. 385



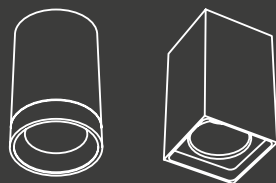
spotlight 80

p. 385



spacetube

p. 386



spacecube

p. 386



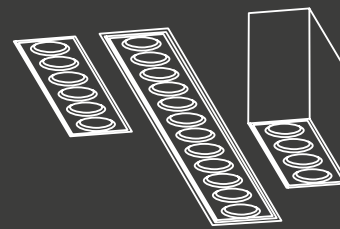
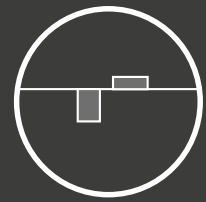
wall 90

p. 387



SPOTS

SPOTS | PROJECTEURS | FARETTI



anto+
p. 346



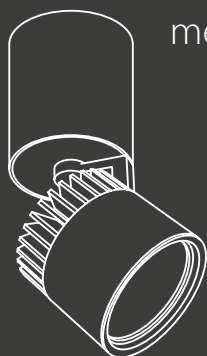
diva square
p. 354



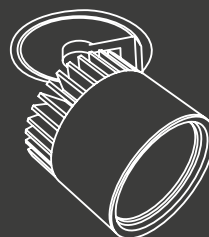
diva
p. 354



cosmo
p. 360



meteor AB
p. 370



meteor flip
p. 368



meteor
p. 366



mizar
p. 374



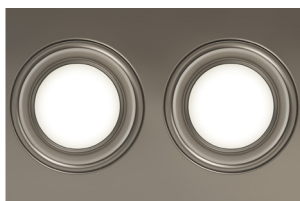
taurus
p. 376



metis
p. 378

anto+

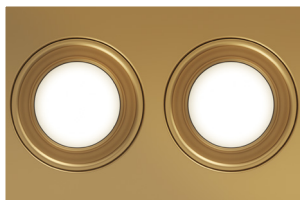
gunnery
grey



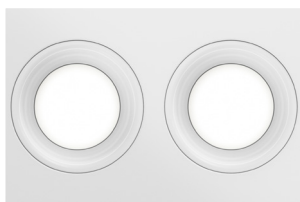
high-gloss
gold



glaring
gold



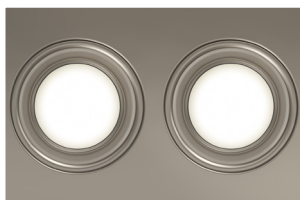
white
9016



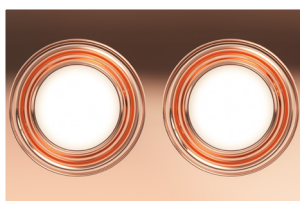
black
9005



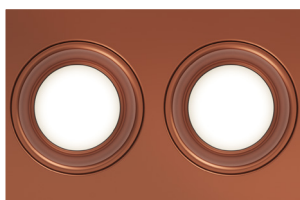
black chrome
matte



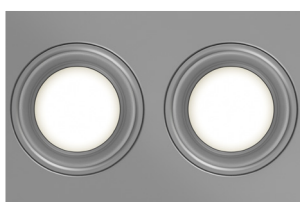
high-gloss
copper



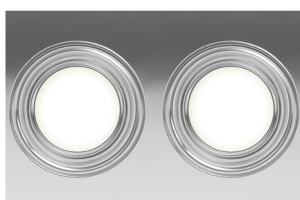
capital
copper



silver
matte

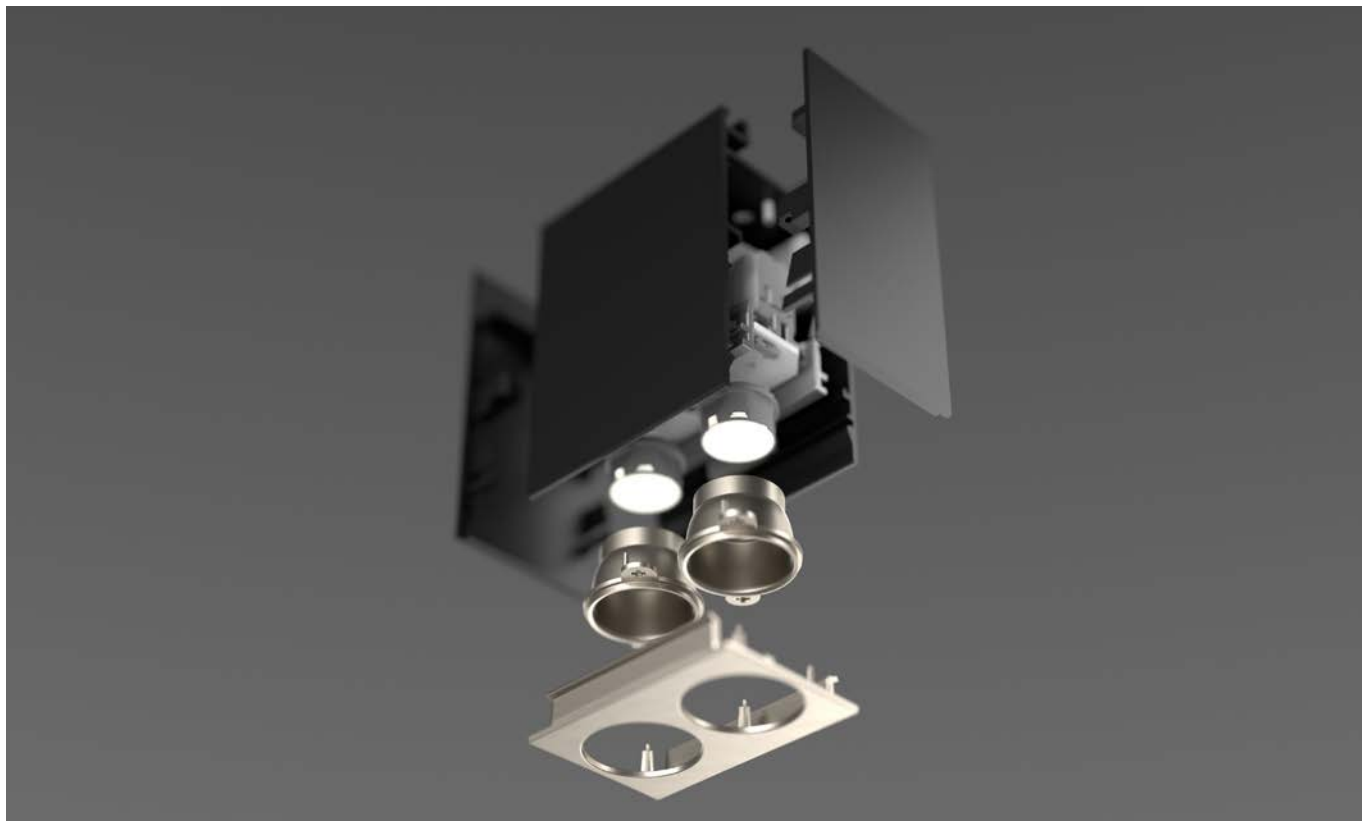


high-gloss
silver



GOOD to know

anto+ masks can cover 2 or 6 spots.



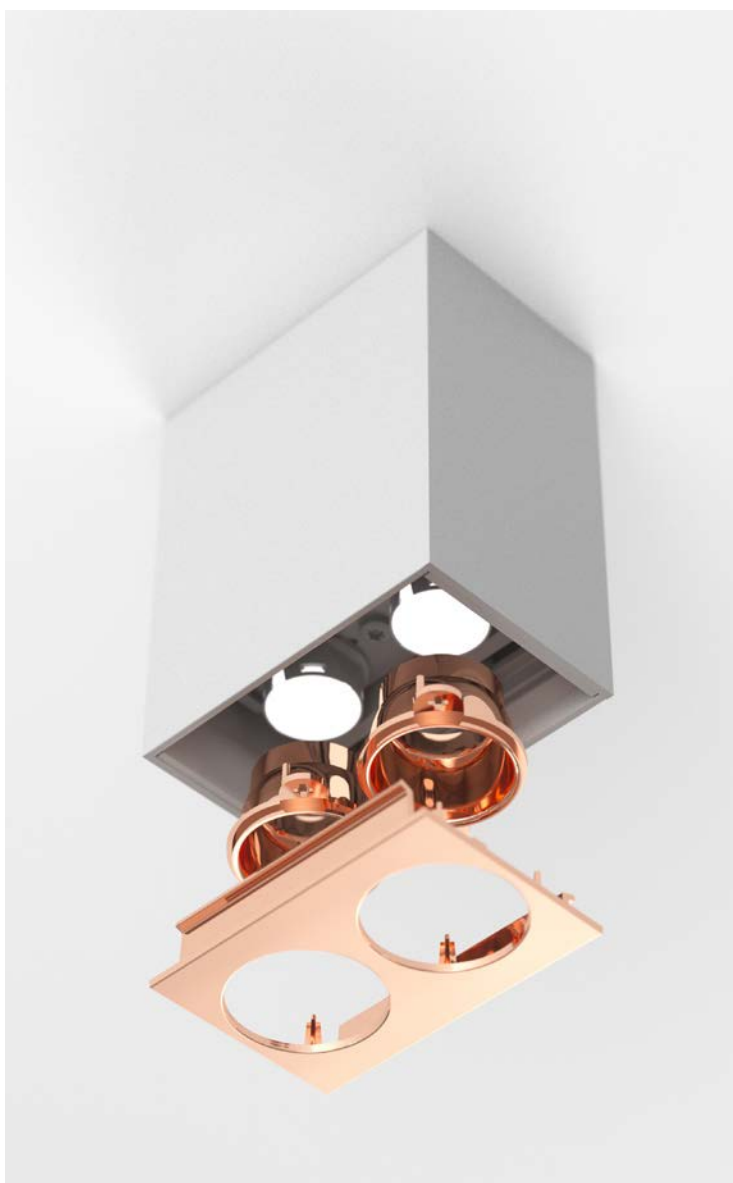
anto+ recessed FRAME



anto+ recessed FRAMELESS

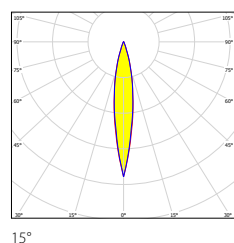
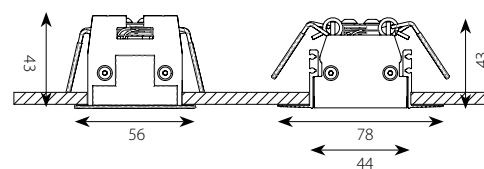
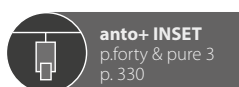
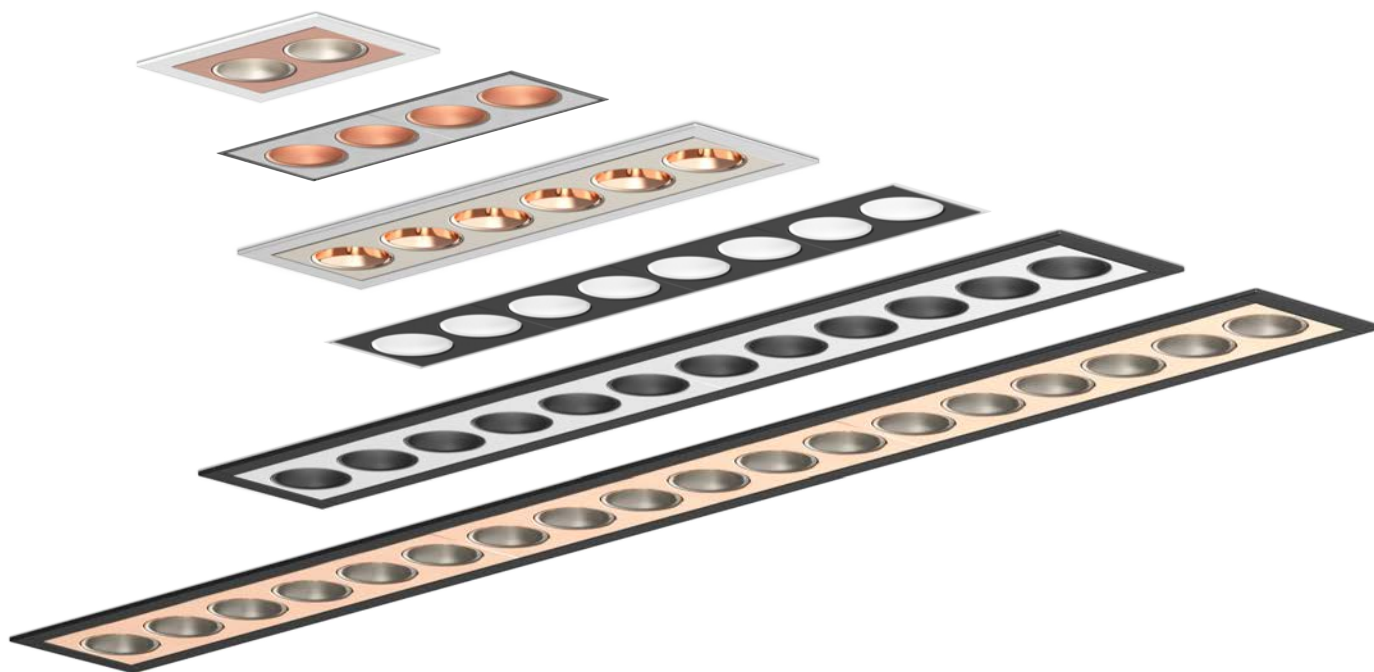


anto+ surface-mount

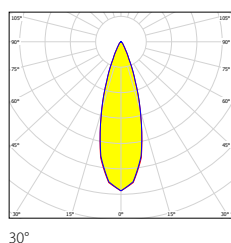


anto+

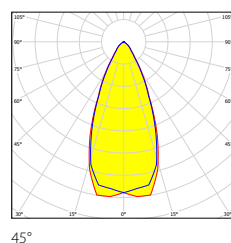
Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso



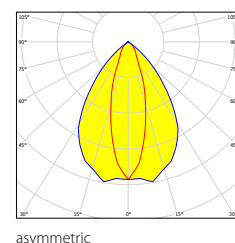
15°



30°



45°



asymmetric



LED

2700 K, 3000 K, 4000 K, dynamic white

up to 99 lm/W

$R_a > 90$, UGR < 16, MacAdam 3

Blue light hazard: $RG \leq 1$ IEC 62471

non-dim / DALI

Lifetime

up to L80 / 50.000 h

Optic

direct

15°, 30°, 45°, asymmetric

Options

different lens tube and mask colours

RAL of your choice (p. 449)

Housing

powder coated

RAL 9006

RAL 9016

RAL 9005

230V IP20 $R_a > 90$ UGR < 16 up to L80/50.000h MacAdam 3 DALI     

1 Montagearten | Mounting | Montage | Montaggio

FRAME Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso E

FRAMELESS Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso F

2 Länge | Length | Longueur | Lunghezza

FRAME		FRAMELESS	
2 spots - 76 mm	007	2 spots - 64 mm	006
4 spots - 136 mm	013	4 spots - 124 mm	012
6 spots - 196 mm	019	6 spots - 184 mm	018
8 spots - 256 mm	025	8 spots - 244 mm	024
12 spots - 376 mm	037	12 spots - 364 mm	036
18 spots - 556 mm	055	18 spots - 544 mm	054

3 Lens tube colour

high-gloss silver	B	black (RAL 9005)	N
silver matte	P	glaring gold	D
high-gloss gold	G	capital copper	R
high-gloss copper	K	gunnery grey	Y
white (RAL 9016) *	W	black chrome matte	C

* versions UGR>16

4 Mask colour

high-gloss silver	B	black (RAL 9005)	N
silver matte	P	glaring gold	D
high-gloss gold	G	capital copper	R
high-gloss copper	K	gunnery grey	Y
white (RAL 9016)	W	black chrome matte	C

5 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber | silver | argent | argento (RAL 9006) SI

weiß | white | blanc | bianco (RAL 9016) WS

schwarz | black | noir | nero (RAL 9005) SW

RAL colours on request (p. 449)

6 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

2700 K 927

3000 K 930

4000 K 940

2700 - 6500 K dynamic white HCL

7 Output

low output non-dim L

high output H

dynamic white X

8 DIM

non-dim 1

DALI, dynamic white 3

9 Ausstrahlwinkel | Emission angle | Angle de rayonnement | Angolo di fascio

15° 1

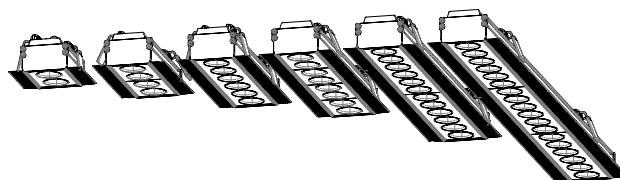
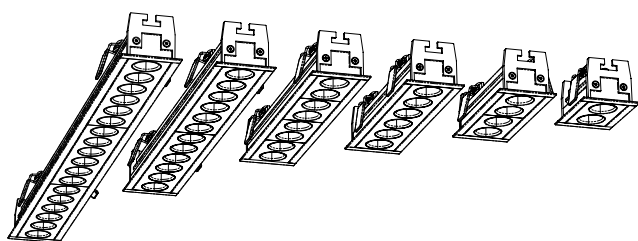
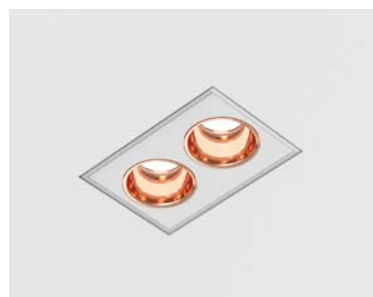
30° 3

45° 4

asymmetric A

Beispiel | Example | Exemple | Esempio

Recessed frame, 6 spots, lens tube capital copper, mask glaring gold, housing black, 2700 K, 30° emission angle, high output DALI

S44E019-RDSWC1927H33

Variations anto+ recessed

	LOW OUTPUT		HIGH OUTPUT		DYNAMIC WHITE
	non-dim	DALI	non-dim	DALI	
2 spots	YES	NO	YES	YES	NO
4 spots	YES	NO	YES	YES	NO
6 spots	YES	NO	YES	YES	NO
8 spots	YES	NO	YES	YES	NO
12 spots	YES	NO	YES	YES	NO
18 spots	YES	NO	YES	YES	NO

YES
NO


<https://katalog.planlicht.com>

anto+

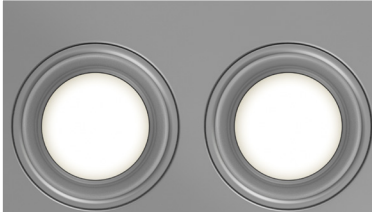
Einbauleuchte | Recessed luminaire | Luminaire encastré | da incasso

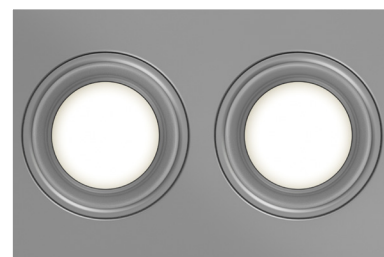
Luminous Flux (lm)

anto+ / lens tube **silver matte**

antio 7 lens tube silver matte

				non-dim				DALI				dynamic white				
high out				low out				high out				2700-6500K				
15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	
2700 K												2700-6500 K				
2 spots	336 lm	313 lm	264 lm	276 lm	193 lm	181 lm	151 lm	155 lm	336 lm	313 lm	264 lm	276 lm	–	–	–	–
4 spots	688 lm	637 lm	535 lm	572 lm	339 lm	326 lm	294 lm	305 lm	656 lm	607 lm	510 lm	545 lm	291-337 lm	280-325 lm	253-293 lm	262-304 lm
6 spots	969 lm	874 lm	716 lm	757 lm	560 lm	507 lm	419 lm	438 lm	969 lm	874 lm	716 lm	757 lm	482-559 lm	436-506 lm	360-417 lm	377-437 lm
8 spots	1357 lm	1266 lm	1066 lm	1115 lm	756 lm	712 lm	593 lm	609 lm	1357 lm	1266 lm	1066 lm	1115 lm	658-763 lm	612-710 lm	526-610 lm	530-615 lm
12 spots	1989 lm	1857 lm	1564 lm	1634 lm	1123 lm	1057 lm	881 lm	904 lm	1989 lm	1857 lm	1564 lm	1634 lm	966-1120 lm	909-1054 lm	757-878 lm	777-901 lm
18 spots	2952 lm	2456 lm	2319 lm	2424 lm	1674 lm	1576 lm	1312 lm	1346 lm	2952 lm	2456 lm	2319 lm	2424 lm	1423-1650 lm	1340-1554 lm	1115-1293 lm	1144-1327 lm
3000 K																
2 spots	343 lm	320 lm	269 lm	282 lm	197 lm	185 lm	154 lm	158 lm	343 lm	320 lm	269 lm	282 lm				
4 spots	702 lm	650 lm	546 lm	584 lm	346 lm	333 lm	300 lm	311 lm	669 lm	619 lm	520 lm	556 lm				
6 spots	949 lm	893 lm	734 lm	763 lm	552 lm	524 lm	427 lm	447 lm	949 lm	893 lm	734 lm	763 lm				
8 spots	1384 lm	1292 lm	1088 lm	1137 lm	772 lm	727 lm	605 lm	621 lm	1384 lm	1292 lm	1088 lm	1137 lm				
12 spots	2030 lm	1895 lm	1595 lm	1667 lm	1147 lm	1079 lm	899 lm	922 lm	2030 lm	1895 lm	1595 lm	1667 lm				
18 spots	3062 lm	2927 lm	2463 lm	2574 lm	1763 lm	1686 lm	1404 lm	1440 lm	3062 lm	2927 lm	2463 lm	2574 lm				
4000 K																
2 spots	357 lm	333 lm	280 lm	293 lm	205 lm	193 lm	161 lm	165 lm	357 lm	333 lm	280 lm	293 lm				
4 spots	731 lm	677 lm	569 lm	608 lm	360 lm	346 lm	312 lm	324 lm	697 lm	645 lm	542 lm	580 lm				
6 spots	993 lm	929 lm	764 lm	805 lm	575 lm	544 lm	446 lm	467 lm	993 lm	929 lm	764 lm	805 lm				
8 spots	1442 lm	1346 lm	1133 lm	1184 lm	805 lm	757 lm	630 lm	647 lm	1442 lm	1346 lm	1133 lm	1184 lm				
12 spots	2114 lm	1973 lm	1661 lm	1735 lm	1193 lm	1123 lm	935 lm	959 lm	2114 lm	1973 lm	1661 lm	1735 lm				
18 spots	3187 lm	3006 lm	2530 lm	2644 lm	1834 lm	1718 lm	1430 lm	1467 lm	3187 lm	3006 lm	2530 lm	2644 lm				





System Power (W)

non-dim		DALI	dyn. white
high output	low output	high output	
2 spots	5,8W	3W	6,6W
4 spots	9,9W	5,1W	10,5W
6 spots	13,7W	7,2W	13,7W
8 spots	18W	9,6W	18W
12 spots	27W	13W	27W
18 spots	41W	20W	41W

Weight (g)

recessed FRAME			recessed FRAMELESS		
non-dim	DALI	dyn. white	non-dim	DALI	dyn. white
2 spots	180 g	290 g	230 g	340 g	-
4 spots	260 g	360 g	340 g	440 g	590 g
6 spots	440 g	470 g	540 g	570 g	690 g
8 spots	520 g	540 g	640 g	660 g	780 g
12 spots	650 g	700 g	810 g	860 g	960 g
18 spots	840 g	940 g	1030 g	1135 g	1240 g



Cut out ✂

X = 10-40 mm

Optionales Zubehör | Optional Accessory
Accessoire optionnel | Accessori opzionali

S44-F-SET-MONT

anto+ De-/Montageset **frameless** (3 Teile)
anto+ Dis-/assembly kit **frameless** (3 parts)
anto+ Set de dé-/montage **sans cadre** (3 parties)
anto+ Kit di s-/montaggio **senza cornice** (3 parti)

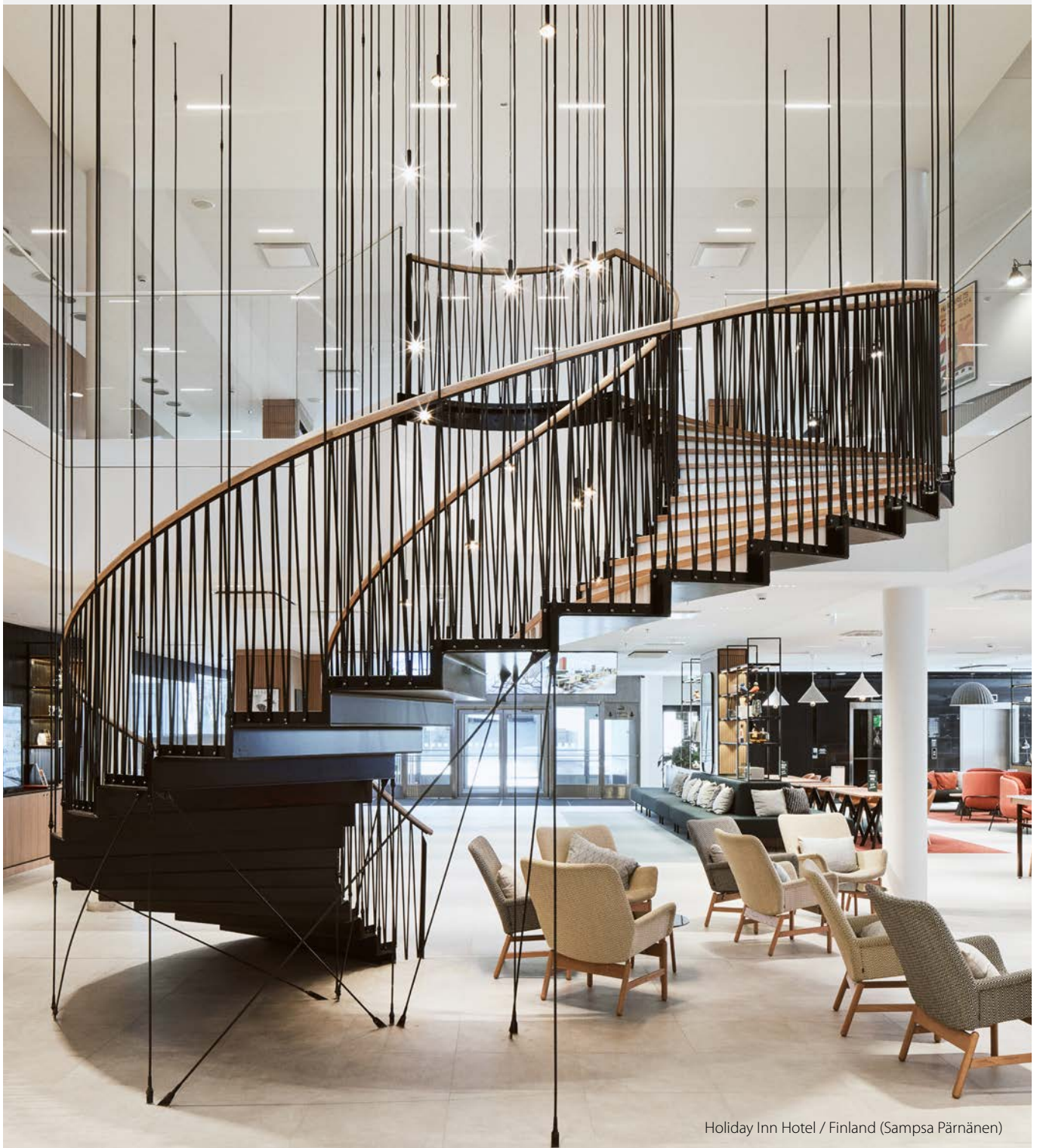
	✂ FRAME	↑ DALI	↑ non-dim	↑ HCL	✂ FRAMELESS	↑ DALI	↑ non-dim	↑ HCL
2 spots	70x48,5 mm	X+160 mm	X+55 mm	-	73x52 mm	X+160 mm	X+70 mm	-
4 spots	130x48,5 mm	X+90 mm	X+55 mm	X+160 mm	133x52 mm	X+90 mm	X+70 mm	X+160 mm
6 spots	190x48,5 mm	X+55 mm	X+55 mm	X+70 mm	193x52 mm	X+70 mm	X+70 mm	X+70 mm
8 spots	250x48,5 mm	X+55 mm	X+55 mm	X+70 mm	253x52 mm	X+70 mm	X+70 mm	X+70 mm
12 spots	370x48,5 mm	X+55 mm	X+55 mm	X+70 mm	373x52 mm	X+70 mm	X+70 mm	X+70 mm
18 spots	550x48,5 mm	X+70 mm	X+55 mm	X+70 mm	553x52 mm	X+70 mm	X+70 mm	X+70 mm

COMPARE LENS TUBES

anto+ / recessed 8 spots / high output DALI, dynamic white

lens tube	2700 K				3000 K				4000 K				dynamic white +			
	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.
silver matte	1357lm	1266lm	1066lm	1115lm	1384lm	1292lm	1088lm	1137lm	1442lm	1346lm	1133lm	1184lm	658lm	612lm	526lm	530lm
high-gloss silver	1428lm	1347lm	1240lm	1327lm	1457lm	1375lm	1256lm	1354lm	1518lm	1342lm	1317lm	1409lm	693lm	674lm	613lm	623lm
white 9016	1392lm	1313lm	1141lm	1201lm	1421lm	1340lm	1164lm	1225lm	1480lm	1396lm	1212lm	1275lm	679lm	656lm	570lm	573lm
black 9005	1271lm	1179lm	918lm	916lm	1297lm	1203lm	936lm	934lm	1351lm	1253lm	974lm	972lm	623lm	574lm	447lm	442lm
high-gloss gold	1428lm	1347lm	1240lm	1327lm	1457lm	1375lm	1265lm	1354lm	1518lm	1432lm	1317lm	1409lm	693lm	662lm	612lm	623lm
high gloss copper	1392lm	1313lm	1215lm	1267lm	1421lm	1340lm	1240lm	1293lm	1480lm	1396lm	1290lm	1346lm	679lm	658lm	600lm	592lm
glaring gold	1299lm	1212lm	973lm	1009lm	1326lm	1237lm	993lm	1029lm	1381lm	1289lm	1034lm	1071lm	633lm	594lm	484lm	479lm
capital copper	1299lm	1212lm	942lm	975lm	1326lm	1237lm	961lm	995lm	1381lm	1289lm	1001lm	1036lm	626lm	582lm	469lm	467lm
gunnery grey	1299lm	1212lm	973lm	1009lm	1326lm	1237lm	961lm	995lm	1381lm	1289lm	1034lm	1071lm	633lm	598lm	484lm	479lm
black chrome matte	1357lm	1266lm	1066lm	1115lm	1384lm	1292lm	1088lm	1137lm	1518lm	1342lm	1317lm	1409lm	658lm	626lm	526lm	530lm

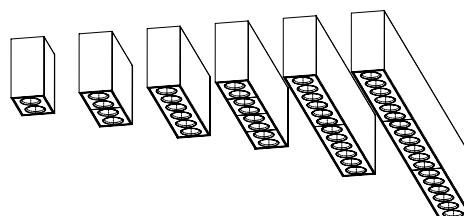
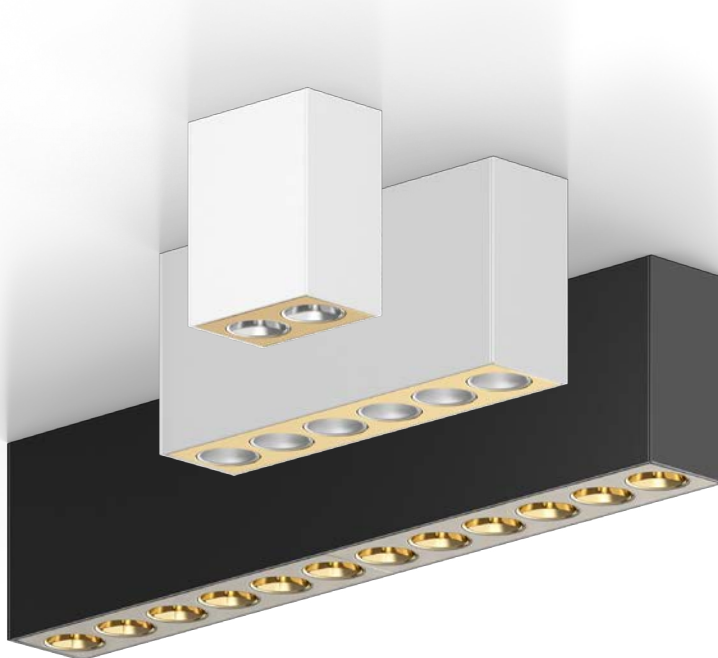
+dynamic white lumens = 2700 K. Lumens 6500 K ca. + 11%



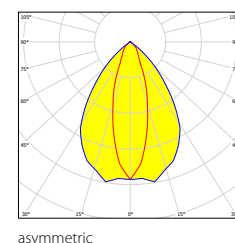
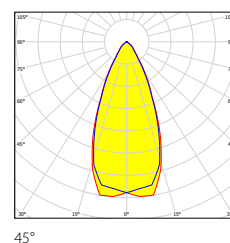
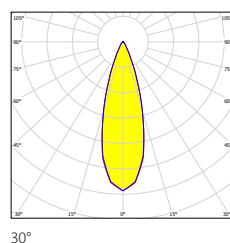
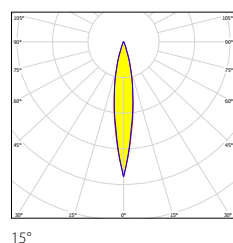
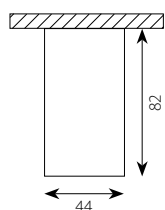
Holiday Inn Hotel / Finland (Sampsä Pärnänen)

anto+

Aufbauleuchte | Surface-mount luminaire | Luminaire en saillie | Apparecchio a plafone



anto+ INSET
p.forty & pure 3
p. 330



A++ **A**

230V IP20 $R_a > 90$ UGR<16 up to L80/50.000h MacAdam 3 DALI     

LED

2700 K, 3000 K, 4000 K, dynamic white

up to 91 lm/W

$R_a > 90$, UGR<16, MacAdam 3

Blue light hazard: RG≤1 IEC 62471

non-dim / DALI

Lifetime

up to L80/50.000 h

Optic

direct

15°, 30°, 45°, asymmetric

Options

different lens tube and mask colours

RAL of your choice (p. 449)

Housing

powder coated

RAL 9006 

RAL 9016 

RAL 9005 

1 Länge | Length | Longueur | Lunghezza

2 spots - 67 mm	006
4 spots - 127 mm	012
6 spots - 187 mm	018
8 spots - 247 mm	024
12 spots - 367 mm	036
18 spots - 547 mm	054

2 Lens tube colour

high-gloss silver	B	black (RAL 9005)	N
silver matte	P	glaring gold	D
high-gloss gold	G	capital copper	R
high-gloss copper	K	gunnery grey	Y
white (RAL 9016)	W	black chrome matte	C

3 Mask colour

high-gloss silver	B	black (RAL 9005)	N
silver matte	P	glaring gold	D
high-gloss gold	G	capital copper	R
high-gloss copper	K	gunnery grey	Y
white (RAL 9016) *	W	black chrome matte	C

* versions UGR>16

4 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	SI
weiß white blanc bianco (RAL 9016)	WS
schwarz black noir nero (RAL 9005)	SW

RAL colours on request (p. 449)

5 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

2700 K	927
3000 K	930
4000 K	940
2700 - 6500 K dynamic white	HCL

6 Output

medium output	M
dynamic white	X

7 DIM

non-dim	1
DALI, dynamic white	3

8 Ausstrahlwinkel | Emission angle | Angle de rayonnement | Angolo di fascio

15°	1
30°	3
45°	4
asymmetric	A

Beispiel | Example | Esempio

Surface-mount, 8 spots, lens tube high-gloss copper, mask gunnery grey, housing white, asymmetric, dynamic white

S44A024-KYWSC1HCLX3A

Luminous Flux (lm)

anto+ / lens tube silver matte



	2700 K				3000 K				4000 K				dynamic white +			
	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.
2 spots	241 lm	220 lm	184 lm	193 lm	246 lm	224 lm	188 lm	197 lm	256 lm	234 lm	196 lm	205 lm	-	-	-	-
4 spots	478 lm	435 lm	365 lm	382 lm	487 lm	444 lm	372 lm	390 lm	507 lm	463 lm	389 lm	406 lm	-	-	-	-
6 spots	737 lm	672 lm	564 lm	590 lm	752 lm	685 lm	575 lm	602 lm	783 lm	714 lm	600 lm	627 lm	-	-	-	-
8 spots	989 lm	900 lm	756 lm	791 lm	1008 lm	919 lm	770 lm	807 lm	1049 lm	958 lm	805 lm	840 lm	-	-	-	-
12 spots	1526 lm	1391 lm	1167 lm	1221 lm	1557 lm	1418 lm	1190 lm	1246 lm	1621 lm	1478 lm	1242 lm	1298 lm	-	-	-	-
18 spots	2211 lm	2016 lm	1692 lm	1770 lm	2256 lm	2055 lm	1725 lm	1806 lm	2349 lm	2142 lm	1800 lm	1181 lm	1128 lm	1028 lm	863 lm	903 lm

System Power (W)

		dyn. white
2 spots	4,1 W	-
4 spots	7,7 W	-
6 spots	10 W	-
8 spots	14 W	-
12 spots	19 W	-
18 spots	29 W	17 W

Variations anto+ surface-mount

	MEDIUM OUTPUT		DYNAMIC WHITE
	non-dim	DALI	
2 spots	YES	NO	YES
4 spots	YES	NO	YES
6 spots	YES	NO	YES
8 spots	YES	NO	YES
12 spots	YES	NO	YES
18 spots	YES	NO	YES

YES
NO



FILTER
ONLINE

https://katalog.planlicht.com

Weight (g)

2 spots	270 g
4 spots	385 g
6 spots	520 g
8 spots	680 g
12 spots	960 g
18 spots	1320 g

COMPARE LENS TUBES

anto+ / surface mounted 18 spots

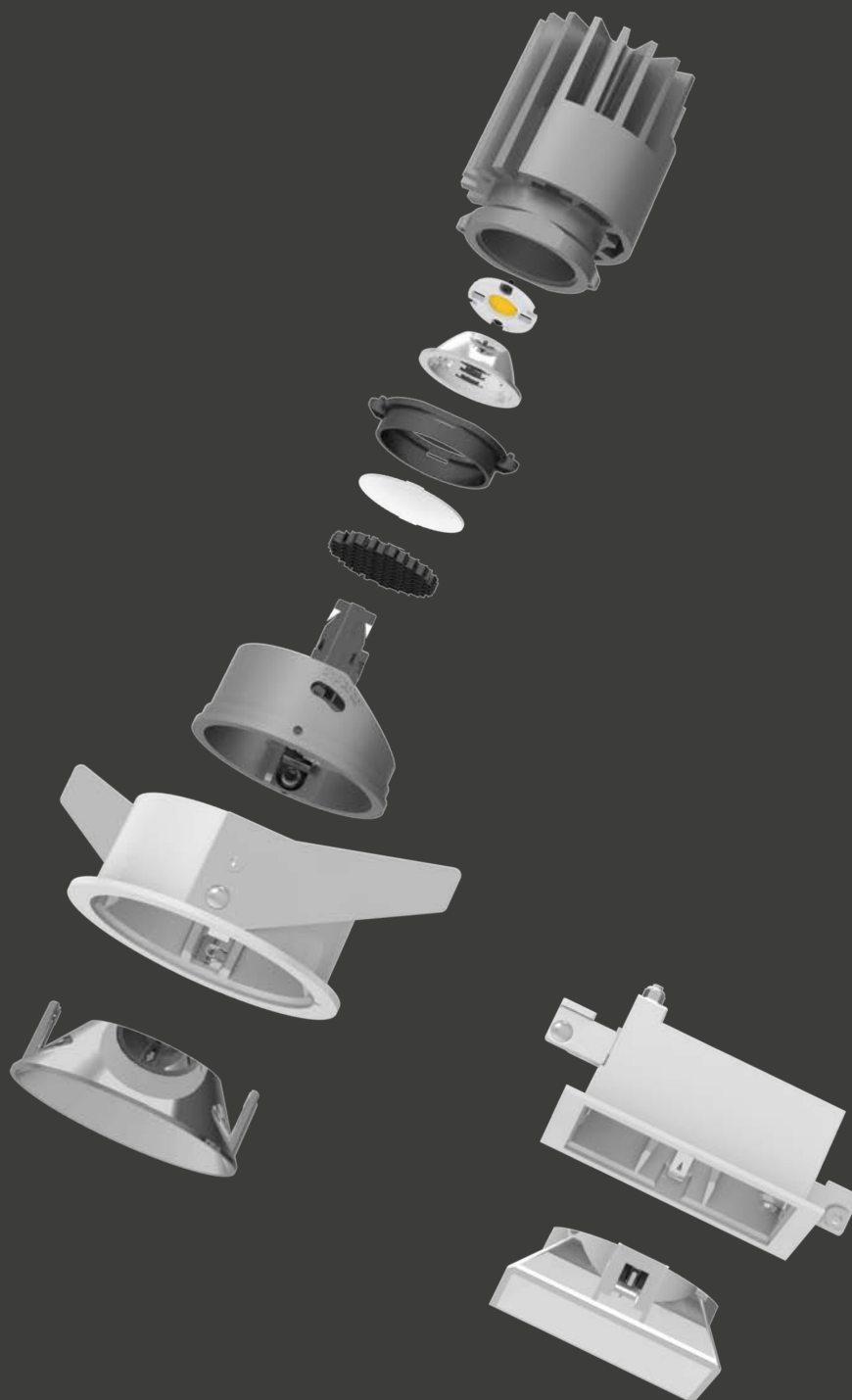
lens tube	2700 K				3000 K				4000 K				dynamic white +			
	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.	15°	30°	45°	asym.
silver matte	2211 lm	2016 lm	1692 lm	1770 lm	2256 lm	2055 lm	1725 lm	1806 lm	2349 lm	2142 lm	1800 lm	1181 lm	1128 lm	1028 lm	863 lm	903 lm
high-gloss silver	2364 lm	2169 lm	1986 lm	2124 lm	2412 lm	2211 lm	2025 lm	2166 lm	2511 lm	2307 lm	2112 lm	2303 lm	1206 lm	1106 lm	1013 lm	1083 lm
white 9016	2307 lm	2124 lm	1848 lm	1944 lm	2352 lm	2166 lm	1884 lm	1983 lm	2451 lm	2256 lm	1965 lm	2150 lm	1177 lm	1083 lm	942 lm	991 lm
black 9005	2118 lm	1920 lm	1497 lm	1494 lm	2160 lm	1959 lm	1527 lm	1524 lm	2250 lm	2040 lm	1590 lm	1587 lm	1080 lm	979 lm	763 lm	762 lm
high-gloss gold	2349 lm	2154 lm	1983 lm	2121 lm	2397 lm	2196 lm	2022 lm	2163 lm	2496 lm	2289 lm	2109 lm	2277 lm	1198 lm	1097 lm	1011 lm	1082 lm
high-gloss copper	2325 lm	2145 lm	1983 lm	2067 lm	2373 lm	2187 lm	2022 lm	2109 lm	2472 lm	2280 lm	2106 lm	2213 lm	1186 lm	1094 lm	1011 lm	1054 lm
glaring gold	2172 lm	1971 lm	1584 lm	1644 lm	2214 lm	2010 lm	1617 lm	1677 lm	2310 lm	2094 lm	1683 lm	1746 lm	1108 lm	1005 lm	808 lm	838 lm
capital copper	2151 lm	1944 lm	1512 lm	1566 lm	2193 lm	1983 lm	1542 lm	1596 lm	2286 lm	2067 lm	1608 lm	1655 lm	1097 lm	991 lm	771 lm	799 lm
gunnery grey	2202 lm	1980 lm	1590 lm	1650 lm	2247 lm	2019 lm	1623 lm	1683 lm	2340 lm	2106 lm	1689 lm	1755 lm	1123 lm	1010 lm	811 lm	842 lm
black chrome matte	2244 lm	2043 lm	1716 lm	1803 lm	2289 lm	2085 lm	1749 lm	1839 lm	2385 lm	2172 lm	1824 lm	1914 lm	1144 lm	1042 lm	875 lm	920 lm

+ dynamic white lumens = 2700 K. Lumens 6500 K ca. + 11%

diva & diva square M & S

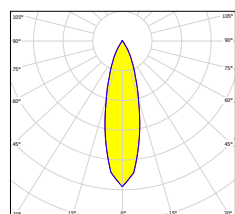
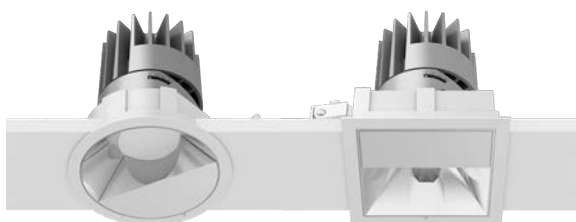
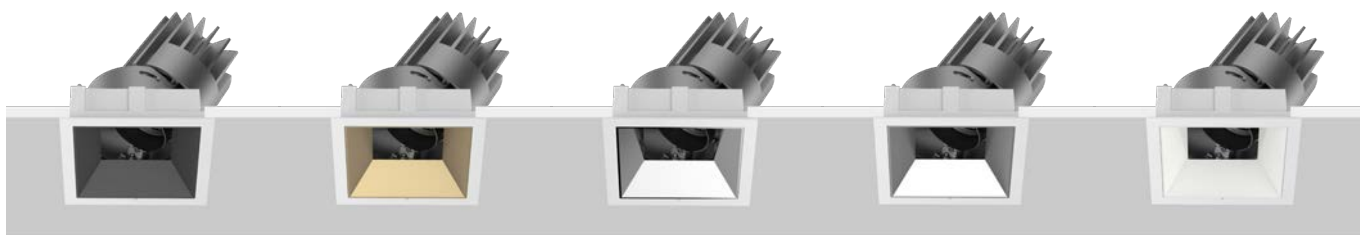
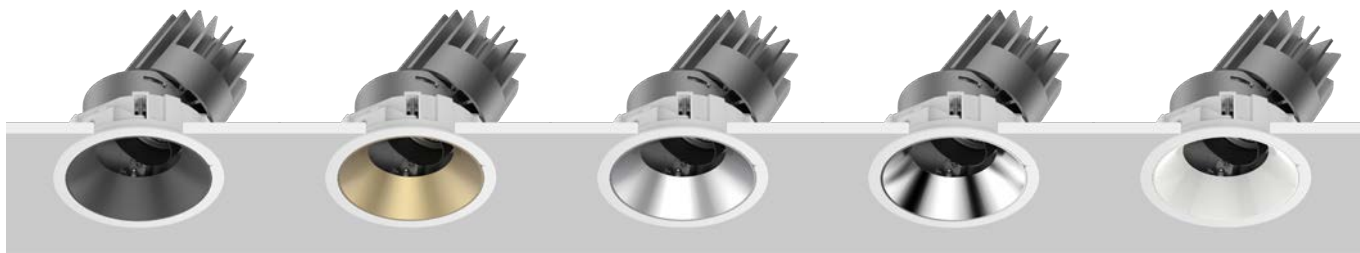
Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



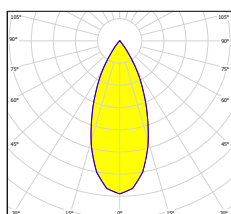


diva M

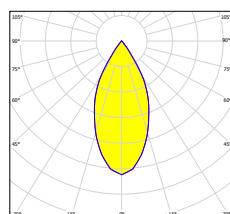
Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



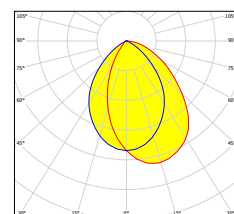
27°



42°



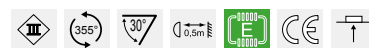
50°



asymmetric



230V IP20 UGR<16 $R_a > 90$ up to L90/50.000h MacAdam 3 DALI



LED

3000 K, 4000 K

up to 69 lm/W

$R_a > 90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 27°, 42°, 50°, asymmetric

Lifetime

up to L90/50.000h

Flexibility

rotatable up to 355°, adjustable up to 30°

Housing

powder coated

white



Cut out ✂

diva M $\varnothing 100 \uparrow 121$ mm
diva M square $\square 96 \times 96 \uparrow 121$ mm

1 round / square

diva M (round)	110
diva M square	10Q

2 Reflektorfarbe | Reflector colour | Couleur du réflecteur | Colore riflettore

white	W
black	N
silver matte	P
high-gloss silver	B
high-gloss gold	G

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF930 3000K	930
LF940 4000K	940

4 Output

low output non-dim	L1
high output non-dim	H1
high output DALI	H3

5 Reflektor | Reflector | Réflecteur | Riflettore

27°	2
42°	4
50°	5
asymmetric wallwasher	A

Beispiel | Example | Esempio

diva M, white, reflector gold, 4000 K, high output, DALI, 42°

S42E110-NGWSC1940H34

Luminous Flux (lm)	low output		high output		low output		high output		low output		high output		low output		high output	
Reflector high-gloss silver	27°		27°		42°		42°		50°		50°		asym.		asym.	
LF930 3000 K	951 lm		1332 lm		853 lm		1185 lm		947 lm		1304 lm		462 lm		633 lm	
LF940 4000 K	1009 lm		1412 lm		904 lm		1256 lm		1003 lm		1382 lm		485 lm		664 lm	

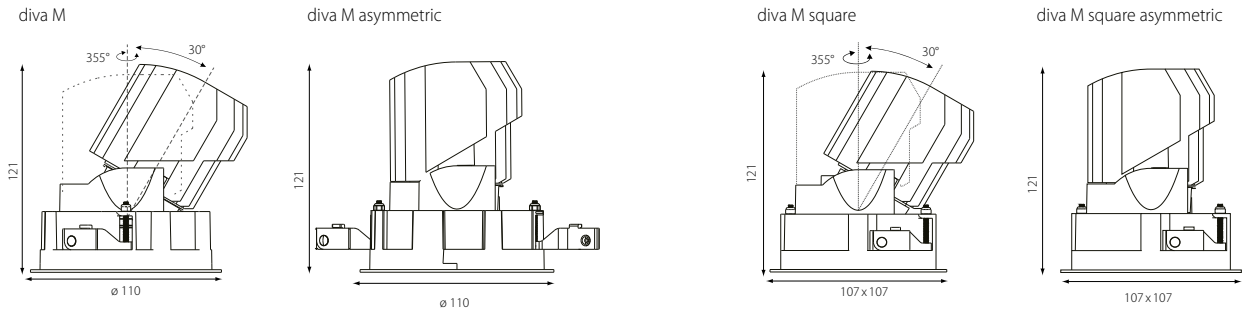
System Power (W)	low output	high output
diva M	15 W	20 W

Weight (kg)

diva M	0,5 kg
--------	--------

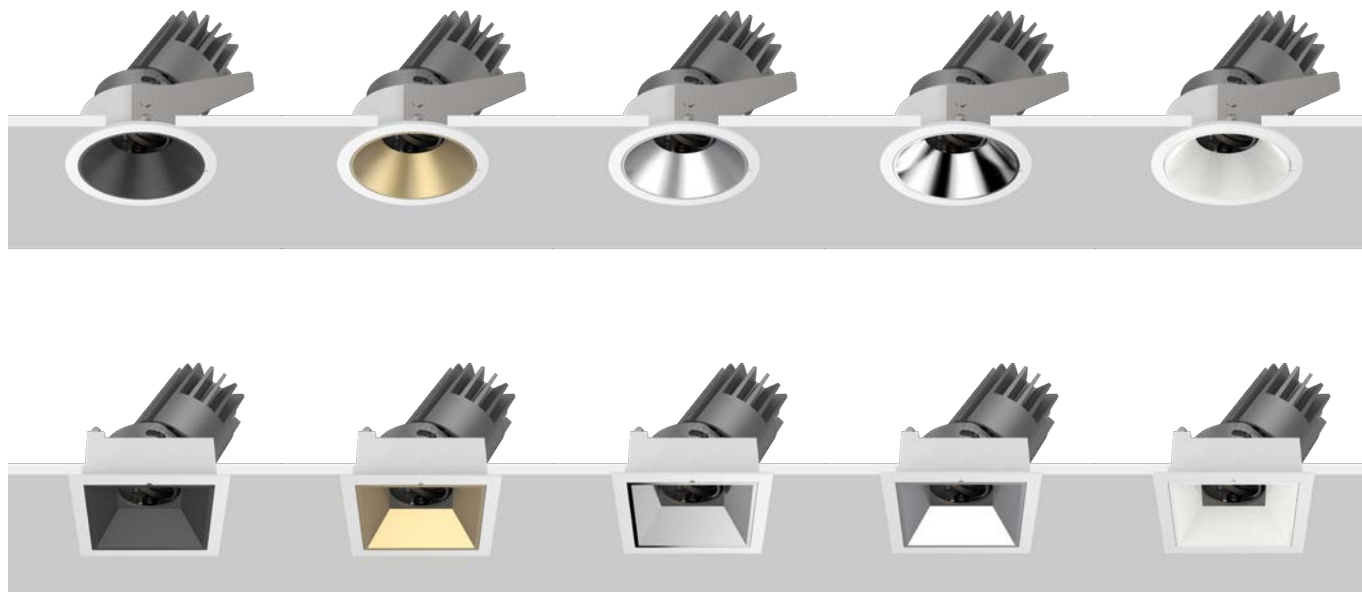
QUICK VIEW

LF930 3000 K	15 W	20 W
27°	951 lm	1332 lm
42°	853 lm	1185 lm
50°	947 lm	1304 lm
asym.	462 lm	633 lm

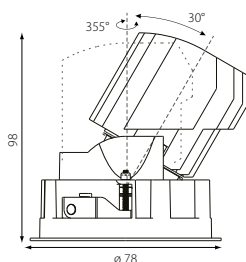


diva S

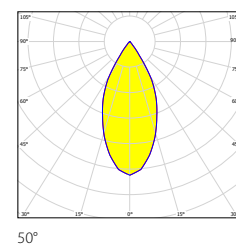
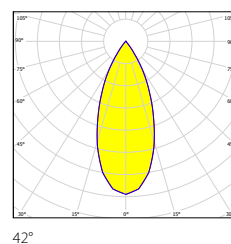
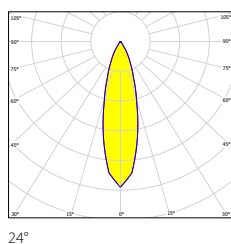
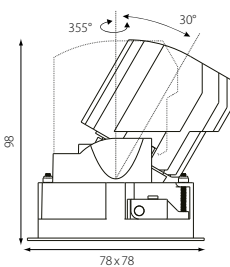
Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



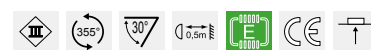
diva S



diva S square



230V IP20 UGR<16 $R_a > 90$ up to L90/50.000h MacAdam 3 DALI



LED

3000K, 4000K

up to 72 lm/W

$R_a > 90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 24°, 42°, 50°, asymmetric

Lifetime

up to L90/50.000h

Flexibility

rotatable up to 355°, adjustable up to 30°

Housing

powder coated

white



Cut out

diva S $\varnothing 68 \uparrow 98$ mm
diva S square $\square 68 \times 68 \uparrow 98$ mm

1 round / square

diva S (round)	078
diva S square	07Q

2 Reflektorfarbe | Reflector colour | Couleur du réflecteur | Colore riflettore

white	W
black	N
silver matte	P
high-gloss silver	B
high-gloss gold	G

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF930 3000 K	930
LF940 4000 K	940

4 Output

low output non-dim	L1
high output non-dim	H1
high output DALI	H3

5 Reflektor | Reflector | Réflecteur | Riflettore

24°	2
42°	4
50°	5

Beispiel | Example | Exemple | Esempio

diva S square, white, reflector black, 3000 K, low output non-dim, 50°

S42E07Q-NNWSC1930L15

Luminous Flux (lm)	low output		high output		low output		high output	
Reflector high-gloss silver	24°		24°		42°		42°	
LF930 3000 K	605 lm		761 lm		611 lm		764 lm	
LF940 4000 K	654 lm		802 lm		650 lm		812 lm	

System Power (W)	low output	high output
diva S	9W	13W

Weight (kg)

diva S	0,3 kg
--------	--------

QUICK VIEW

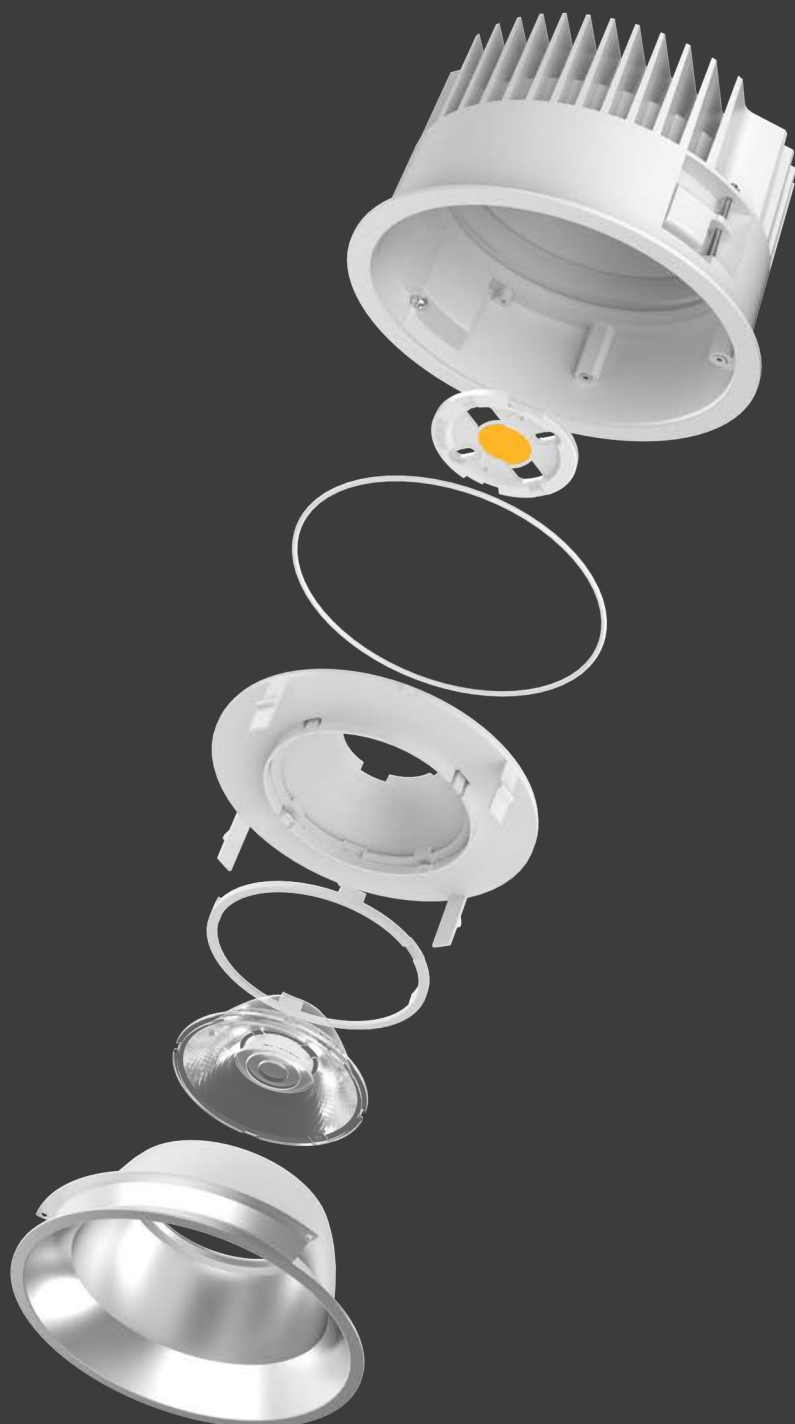
LF930 3000 K	9W	13W
24°	605 lm	761 lm
42°	611 lm	764 lm
50°	531 lm	665 lm



cosmo XL & L

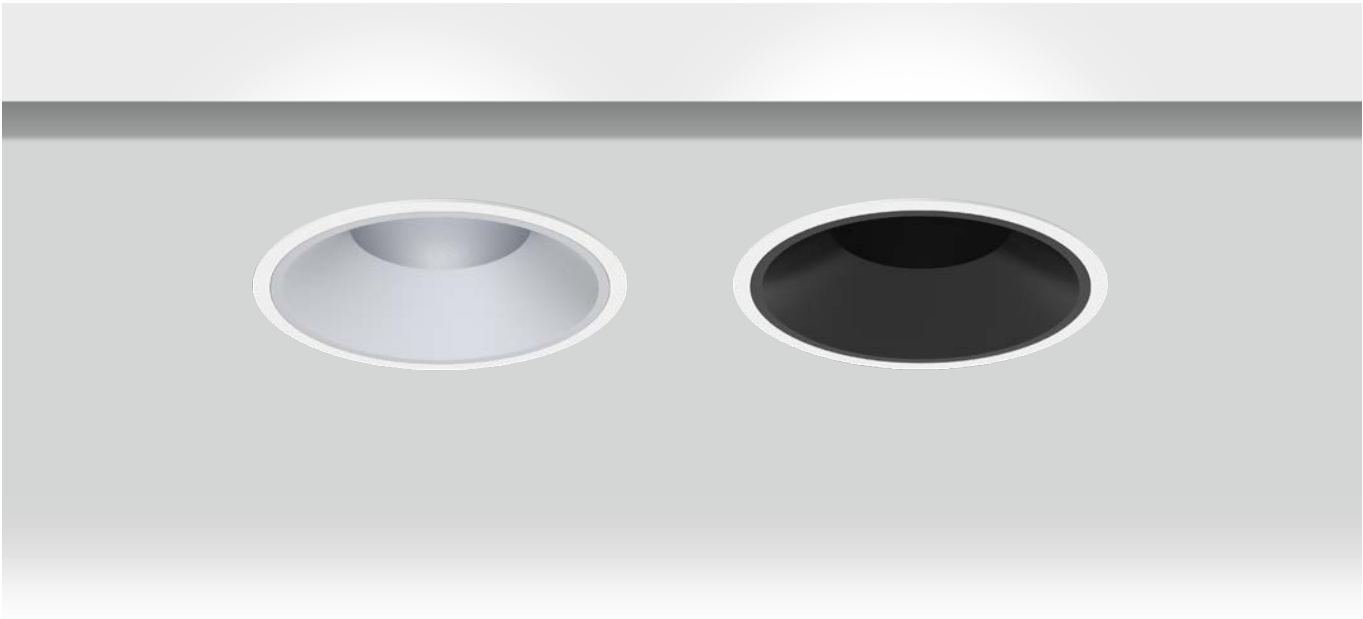
Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso





cosmo XL

Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



A++

A

230V IP54 UGR<19 R_a>90 up to L90/50.000h MacAdam 3 DALI

LED

3000 K, 4000 K

up to 99 lm/W

R_a>90, MacAdam 3

non-dim / DALI

Blue light hazard: RG≤1 IEC 62471

Optic

Reflector: 60°

Lifetime

up to L90 / 50.000 h

INDOOR
USE ONLY!

Options

Emergency lighting 3 h

Cut out ✂

ø 205 ⚡ 176 mm

Housing

powder coated

white

1 Reflektorfarbe | Reflector colour | Couleur du réflecteur | Colore riflettore

black matte	N
silver matte	P

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF930 3000 K	930
LF940 4000 K	940

3 Output

low output non-dim	L1
high output non-dim	H1
high output DALI	H3
very high output DALI	V3

Beispiel | Example | Exemple | Esempio

cosmo XL, white, reflector black, 3000 K, very high output DALI, 60°

S38E218-LNWSQ1930V36

Luminous Flux (lm)	low output	high output	very high output
Reflector silver matte	60°	60°	60°
LF930 3000 K	2454 lm	3512 lm	4450 lm
LF940 4000 K	2578 lm	3689 lm	4675 lm

System Power (W)	low output	high output	very high output
cosmo XL	26 W	41 W	56 W

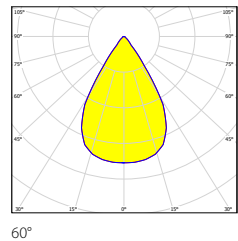
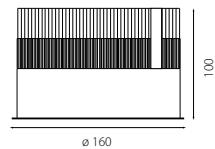
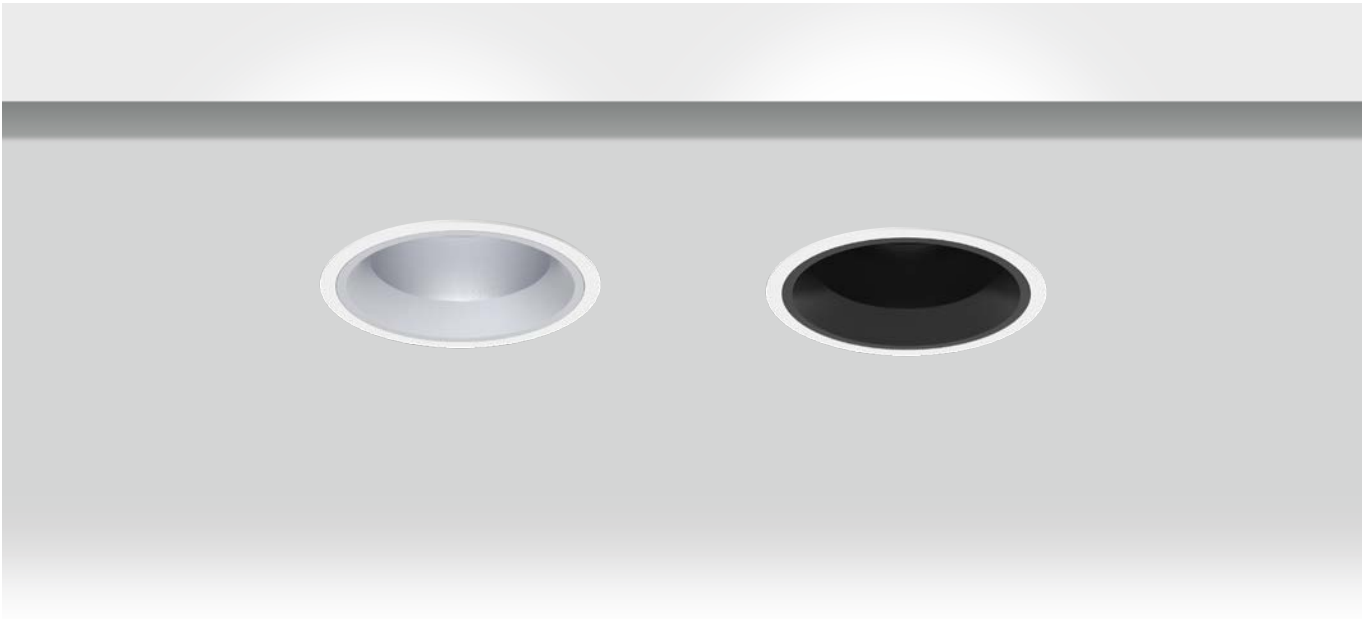
Weight (kg)

cosmo XL 1,7 kg



cosmo L

Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



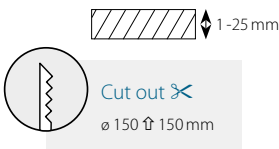
LED
3000 K, 4000 K
up to 96 lm/W
 $R_a > 90$, MacAdam 3
non-dim / DALI
Blue light hazard: $RG \leq 1$ IEC 62471

Optic
Reflector: 60°
Lifetime
up to L90 / 50.000 h

230V IP54 UGR<19 $R_a > 90$ up to L90/50.000h MacAdam 3 DALI



Options
Emergency lighting 3 h



Housing
powder coated
white

1 Reflektorfarbe | Reflector colour | Couleur du réflecteur | Colore riflettore

black matte	N
silver matte	P

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	WS
-------------------------------	----

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF930 3000 K	930
LF940 4000 K	940

3 Output

low output non-dim	L1
high output non-dim	H1
high output DALI	H3

Beispiel | Example | Exemple | Esempio

cosmo L, white, reflector silver matte, 3000 K, high output DALI, 60°

S38E160-LPWSQ1930H36

Luminous Flux (lm)	low output	high output
Reflector silver matte	60°	60°
LF930 3000 K	1807 lm	2391 lm
LF940 4000 K	1881 lm	2511 lm

System Power (W)	low output	high output
cosmo L	20W	29W

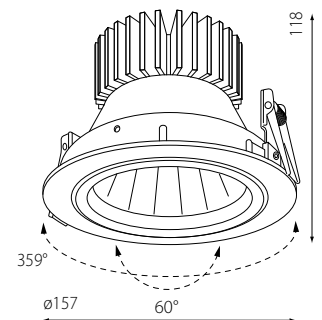
Weight (kg)

cosmo L	0,9 kg
---------	--------

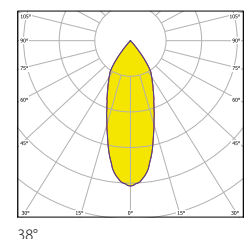
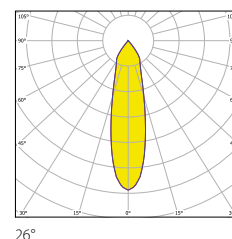
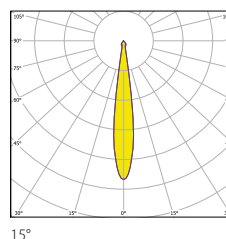


meteor EB

Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI



LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 140lm/W

$R_a > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Lifetime up to L90/50.000h

Optic

Reflector: 15°, 26°, 38°

Flexibility

rotatable up to 359°, adjustable up to 60°

Options

Honeycomb glare protection

Emergency lighting 3 h



Cut out ✂
ø 150 mm
↑ 135 mm

Housing

powder coated

silver

white

black

1 Gehäusefarbe | Housing colour | Couleur du projecteur | Colore faretto

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Macelleria	FLE
Wurstwaren Sausage products Charcuterie Salumeria	WUR
Fisch Fish Poissonnerie Pescheria	FIS
Gemüse Vegetables Légumes Verdura	FRU
dynamic white	HCL

3 Output

low output	L
medium output	M
high output	H
very high output	V
dynamic white	X

4 non-dim, DALI, dynamic white

non-dim	1
DALI, dynamic white	3

5 Reflektor | Reflector | Réflecteur | Riflettore

15°	1
26°	2
38°	3

Beispiel | Example | Exemple | Esempio

black, LF935, very high output, DALI, 38°

S03E157-SWSWC1935V33

Luminous Flux (lm)	low output	medium output	high output	very high output	low output	medium output	high output	very high output	low output	medium output	high output	very high output
	15°	15°	15°	15°	26°	26°	26°	26°	38°	38°	38°	38°
LF830 3000 K	2587 lm	3245 lm	3849 lm	4734 lm	2729 lm	3428 lm	4071 lm	5021 lm	2727 lm	3427 lm	4072 lm	5027 lm
LF840 4000 K	2726 lm	3426 lm	4072 lm	5028 lm	2880 lm	3626 lm	4317 lm	5348 lm	2874 lm	3617 lm	4305 lm	5330 lm
LF927 2700 K	2104 lm	2645 lm	3144 lm	3883 lm	2230 lm	2802 lm	3330 lm	4111 lm	2222 lm	2794 lm	3322 lm	4104 lm
LF930 3000 K	2220 lm	2798 lm	3335 lm	4140 lm	2392 lm	3008 lm	3577 lm	4421 lm	2387 lm	3003 lm	3571 lm	4415 lm
LF935 3500 K	2288 lm	2890 lm	3454 lm	4306 lm	2461 lm	3107 lm	3711 lm	4622 lm	2653 lm	3277 lm	3821 lm	4551 lm
LF940 4000 K	2311 lm	2907 lm	3458 lm	4276 lm	2487 lm	3124 lm	3711 lm	4579 lm	2482 lm	3121 lm	3711 lm	4588 lm
FAS (LF932 3250 K)	1932 lm	2473 lm	2996 lm	3828 lm	2031 lm	2596 lm	3140 lm	4001 lm	2027 lm	2593 lm	3138 lm	4003 lm
BAC	1306 lm	1664 lm	2008 lm	2545 lm	1377 lm	1748 lm	2099 lm	2642 lm	1376 lm	1748 lm	2102 lm	2648 lm
FLE	1310 lm	1671 lm	2017 lm	2561 lm	1379 lm	1753 lm	2109 lm	2663 lm	1378 lm	1752 lm	2108 lm	2661 lm
WUR	1263 lm	1614 lm	1952 lm	2486 lm	1327 lm	1690 lm	2036 lm	2579 lm	1323 lm	1686 lm	2034 lm	2579 lm
FIS	2048 lm	2621 lm	3176 lm	4058 lm	2153 lm	2752 lm	3328 lm	4241 lm	2149 lm	2748 lm	3326 lm	4243 lm
FRU	1935 lm	2439 lm	2908 lm	3610 lm	2031 lm	2548 lm	3023 lm	3720 lm	2019 lm	2534 lm	3006 lm	3698 lm

Luminous Flux (lm)	15°	26°	38°
dynamic white	2842 lm	3007 lm	2969 lm



System Power (W)	low output	medium output	high output	very high output	dynamic white
meteor	20 W	26 W	31 W	41 W	40 W

Weight (kg)	
meteor	0,8 kg

QUICK VIEW

LF930 3000 K	20 W	26 W	31 W	41 W
15°	2220 lm	2798 lm	3335 lm	4140 lm
26°	2392 lm	3008 lm	3577 lm	4421 lm
38°	2387 lm	3003 lm	3571 lm	4415 lm

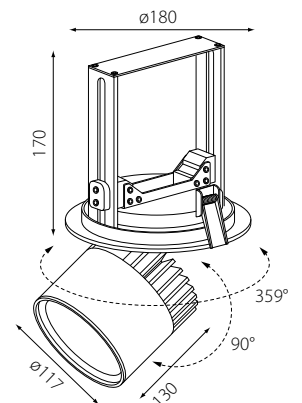
Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster | Honeycomb glare protection | Filtre anti-éblouissement nid d'abeilles | Filtro anti-abbagliamento a nido d'ape

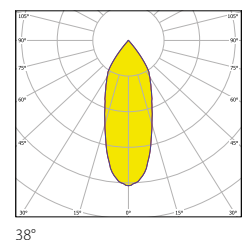
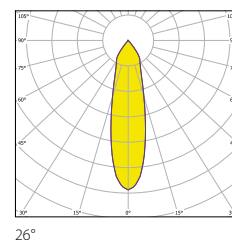
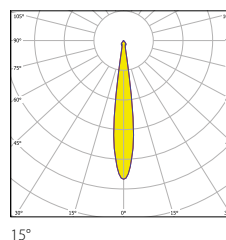
S03-BLE-99

meteor flip

Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_g > 80/90$ up to L90/50.000h MacAdam 3 DALI



LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 140lm/W

$R_g > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 15°, 26°, 38°

Flexibility

rotatable up to 359°, adjustable up to 90°

Lifetime

up to L90/50.000h

Options

Honeycomb glare protection

Emergency lighting 3 h



Cut out ✂

ø 170 mm

↑ 180 mm

Housing

powder coated

silver

white

black

1 Gehäusefarbe | Housing colour | Couleur du projecteur | Colore faretto

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Macelleria	FLE
Wurstwaren Sausage products Charcuterie Salumeria	WUR
Fisch Fish Poissonnerie Pescheria	FIS
Gemüse Vegetables Légumes Verdura	FRU
dynamic white	HCL

3 Output

low output	L
medium output	M
high output	H
dynamic white	X

4 non-dim, DALI, dynamic white

non-dim	1
DALI, dynamic white	3

5 Reflektor | Reflector | Réflecteur | Riflettore

15°	1
26°	2
38°	3

Beispiel | Example | Exemple | Esempio

white, LF930, high output, DALI, 15°

S03E180-WSWSC1930H31

Luminous Flux (lm)	low output			medium output			high output		
	15°	15°	15°	26°	26°	26°	38°	38°	38°
LF830 3000 K	2587 lm	3245 lm	3849 lm	2729 lm	3428 lm	4071 lm	2727 lm	3427 lm	4072 lm
LF840 4000 K	2726 lm	3426 lm	4072 lm	2880 lm	3626 lm	4317 lm	2874 lm	3617 lm	4305 lm
LF927 2700 K	2104 lm	2645 lm	3144 lm	2230 lm	2802 lm	3330 lm	2222 lm	2794 lm	3322 lm
LF930 3000 K	2220 lm	2798 lm	3335 lm	2392 lm	3008 lm	3577 lm	2387 lm	3003 lm	3571 lm
LF935 3500 K	2288 lm	2890 lm	3454 lm	2461 lm	3107 lm	3711 lm	2653 lm	3277 lm	3821 lm
LF940 4000 K	2311 lm	2907 lm	3458 lm	2487 lm	3124 lm	3711 lm	2482 lm	3121 lm	3711 lm
FAS (LF932 3250 K)	1932 lm	2473 lm	2996 lm	2031 lm	2596 lm	3140 lm	2027 lm	2593 lm	3138 lm
BAC	1306 lm	1664 lm	2008 lm	1377 lm	1748 lm	2099 lm	1376 lm	1748 lm	2102 lm
FLE	1310 lm	1671 lm	2017 lm	1379 lm	1753 lm	2109 lm	1378 lm	1752 lm	2108 lm
WUR	1263 lm	1614 lm	1952 lm	1327 lm	1690 lm	2036 lm	1323 lm	1686 lm	2034 lm
FIS	2048 lm	2621 lm	3176 lm	2153 lm	2752 lm	3328 lm	2149 lm	2748 lm	3326 lm
FRU	1935 lm	2439 lm	2908 lm	2031 lm	2548 lm	3023 lm	2019 lm	2534 lm	3006 lm

Luminous Flux (lm)	15°	26°	38°
dynamic white	2842 lm	3007 lm	2969 lm



System Power (W)	low output	medium output	high output	dynamic white
meteor flip	20 W	26 W	31 W	40 W

Weight (kg)

meteor flip	1,3 kg
-------------	--------

QUICK VIEW

LF930 3000 K	20 W	26 W	31 W
15°	2220 lm	2798 lm	3335 lm
26°	2392 lm	3008 lm	3577 lm
38°	2387 lm	3003 lm	3571 lm

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster | Honeycomb glare protection | Filtre anti-éblouissement nid d'abeilles | Filtro anti-abbagliamento a nido d'ape

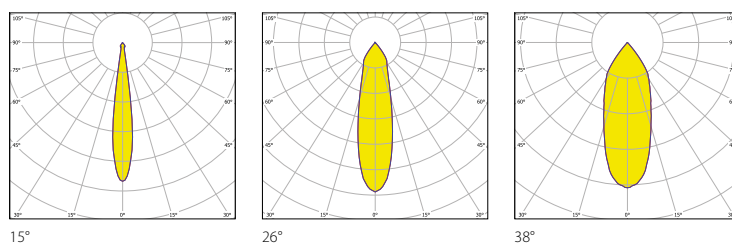
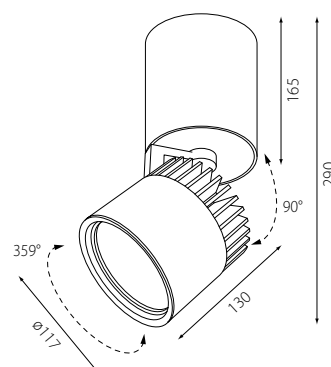
S03-BLE-99

meteor AB

Aufbaustrahler | Surface-mount spotlight | Projecteur en saillie | Faretto a plafone



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI

LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 140lm/W

$R_a > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: RG≤1 IEC 62471

Optic

Reflector: 15°, 26°, 38°

Flexibility

rotatable up to 359°, adjustable up to 90°

Lifetime

up to L90/50.000h

Options

Honeycomb glare protection

Housing

powder coated

silver

white

black

1 Gehäusefarbe | Housing colour | Couleur du projecteur | Colore faretto

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Macelleria	FLE
Wurstwaren Sausage products Charcuterie Salumeria	WUR
Fisch Fish Poissonnerie Pescheria	FIS
Gemüse Vegetables Légumes Verdura	FRU

3 Output

low output	L
medium output	M
high output	H

4 non-dim, DALI, dynamic white

non-dim	1
DALI	3

5 Reflektor | Reflector | Réflecteur | Riflettore

15°	1
26°	2
38°	3

Beispiel | Example | Exemple | Esempio

black, LF840, low output, non-dim, 15°

S03A117-SWSWC1840L11

Luminous Flux (lm)	low output			medium output			high output		
	15°	15°	15°	26°	26°	26°	38°	38°	38°
LF830 3000 K	2587 lm	3245 lm	3849 lm	2729 lm	3428 lm	4071 lm	2727 lm	3427 lm	4072 lm
LF840 4000 K	2726 lm	3426 lm	4072 lm	2880 lm	3626 lm	4317 lm	2874 lm	3617 lm	4305 lm
LF927 2700 K	2104 lm	2645 lm	3144 lm	2230 lm	2802 lm	3330 lm	2222 lm	2794 lm	3322 lm
LF930 3000 K	2220 lm	2798 lm	3335 lm	2392 lm	3008 lm	3577 lm	2387 lm	3003 lm	3571 lm
LF935 3500 K	2288 lm	2890 lm	3454 lm	2461 lm	3107 lm	3711 lm	2653 lm	3277 lm	3821 lm
LF940 4000 K	2311 lm	2907 lm	3458 lm	2487 lm	3124 lm	3711 lm	2482 lm	3121 lm	3711 lm
FAS (LF932 3250 K)	1932 lm	2473 lm	2996 lm	2031 lm	2596 lm	3140 lm	2027 lm	2593 lm	3138 lm
BAC	1306 lm	1664 lm	2008 lm	1377 lm	1748 lm	2099 lm	1376 lm	1748 lm	2102 lm
FLE	1310 lm	1671 lm	2017 lm	1379 lm	1753 lm	2109 lm	1378 lm	1752 lm	2108 lm
WUR	1263 lm	1614 lm	1952 lm	1327 lm	1690 lm	2036 lm	1323 lm	1686 lm	2034 lm
FIS	2048 lm	2621 lm	3176 lm	2153 lm	2752 lm	3328 lm	2149 lm	2748 lm	3326 lm
FRU	1935 lm	2439 lm	2908 lm	2031 lm	2548 lm	3023 lm	2019 lm	2534 lm	3006 lm

System Power (W)

	low output	medium output	high output
meteor	20 W	26 W	31 W

Weight (kg)

meteor AB	1,9 kg
-----------	--------

QUICK VIEW

LF930 3000 K	20 W	26 W	31 W
15°	2220 lm	2798 lm	3335 lm
26°	2392 lm	3008 lm	3577 lm
38°	2387 lm	3003 lm	3571 lm

Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster | Honeycomb glare protection | Filtre anti-éblouissement nid d'abeilles | Filtro anti-abbagliamento a nido d'ape

S03-BLE-99





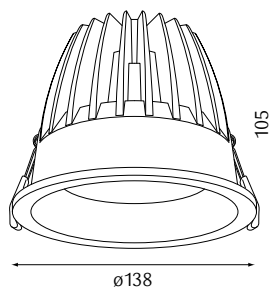
Rubertus Apotheke, Germany

mizar / mizar M

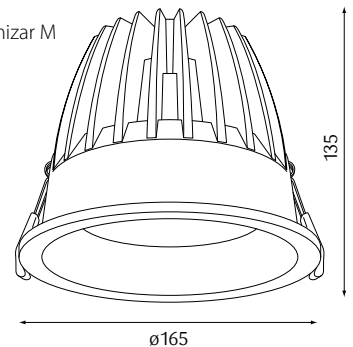
Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



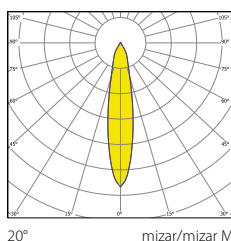
mizar



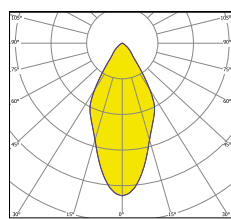
mizar M



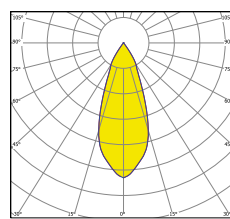
Komplettstrahler inklusive Reflektor und Konverter.
Complete spotlight including reflector and converter.
Projecteur complet incluant réflecteur et convertisseur.
Proiettore completo incluso riflettore e convertitore.



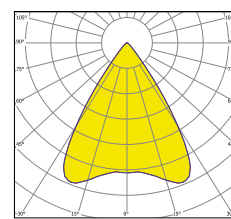
20° mizar/mizar M



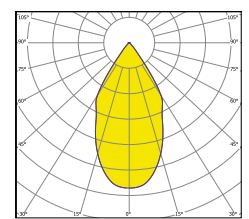
40° mizar



40° mizar M



60° mizar



60° UGR<19 mizar M



230V IP44 $R_a > 80/90$ up to L90/50.000h UGR < 19 MacAdam 3 DALI



LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 140lm/W

$R_a > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 20°, 40°, 60°

Lifetime

up to L90/50.000h

Options

Emergency lighting 3 h



Cut out ✂

mizar

ø 125 mm

↑ 120 mm

mizar M

ø 150 mm

↑ 150 mm

Housing

powder coated

silver

white

black

1 mizar / mizar M

mizar	138
mizar M	165

2 Gehäusefarbe | Housing colour | Couleur du projecteur | Colore faretto

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
dynamic white	HCL
Food & Fashion on request	

4 Output

low output	L
medium output	M
high output	H
very high output	V
dynamic white	X

5 non-dim, DALI, dynamic white

non-dim	1
DALI, dynamic white	3

6 Reflektor | Reflector | Réflecteur | Riflettore

20°	2
40°	4
60°	6

Beispiel | Example | Exemple | Esempio

mizar, white, dynamic white, DALI, 40°

S34E138-WSWSP1HCLX34

Luminous Flux (lm)

mizar	low output	medium output	high output	very high output	low output	medium output	high output	very high output	low output	medium output	high output	very high output
	20°	20°	20°	20°	40°	40°	40°	40°	60°	60°	60°	60°
LF830 3000 K	1826 lm	2244 lm	2646 lm	3760 lm	1706 lm	2095 lm	2469 lm	2504 lm	1816 lm	2232 lm	2631 lm	3738 lm
LF840 4000 K	1965 lm	2417 lm	2854 lm	4073 lm	1832 lm	2253 lm	2660 lm	3790 lm	1959 lm	2410 lm	2845 lm	4058 lm
LF927 2700 K	1472 lm	1815 lm	2148 lm	3089 lm	1431 lm	1749 lm	2051 lm	2863 lm	1472 lm	1812 lm	2141 lm	3061 lm
LF930 3000 K	1569 lm	1933 lm	2285 lm	3270 lm	1485 lm	1830 lm	2164 lm	3101 lm	1586 lm	1954 lm	2309 lm	3308 lm
LF935 3500 K	1638 lm	2015 lm	2378 lm	3388 lm	1543 lm	1900 lm	2246 lm	3216 lm	1642 lm	2022 lm	2388 lm	3412 lm
LF940 4000 K	1648 lm	2029 lm	2397 lm	3426 lm	1550 lm	1908 lm	2254 lm	3222 lm	1656 lm	2037 lm	2405 lm	3432 lm

mizar M	low output	medium output	high output	very high output	low output	medium output	high output	very high output	low output	medium output	high output	very high output
	20°	20°	20°	20°	40°	40°	40°	40°	60°	60°	60°	60°
LF830 3000 K	1897 lm	2777 lm	3612 lm	4590 lm	1880 lm	2745 lm	3561 lm	4512 lm	1961 lm	2861 lm	3707 lm	4689 lm
LF840 4000 K	2045 lm	2990 lm	3883 lm	4926 lm	2023 lm	2951 lm	3823 lm	4836 lm	2124 lm	3090 lm	3992 lm	5031 lm
LF927 2700 K	1538 lm	2245 lm	2912 lm	3686 lm	1517 lm	2211 lm	2862 lm	3615 lm	1537 lm	2244 lm	2910 lm	3684 lm
LF930 3000 K	1662 lm	2433 lm	3164 lm	4021 lm	1642 lm	2398 lm	3110 lm	3939 lm	1722 lm	2515 lm	3264 lm	4136 lm
LF935 3500 K	1707 lm	2500 lm	3252 lm	4135 lm	1693 lm	2475 lm	3215 lm	4080 lm	1771 lm	2592 lm	3371 lm	4286 lm
LF940 4000 K	1721 lm	2519 lm	3275 lm	4161 lm	1704 lm	2489 lm	3230 lm	4094 lm	1762 lm	2590 lm	3384 lm	4327 lm

Luminous Flux (lm)	20°	40°	60°
mizar dynamic white	2546 lm	2433 lm	2526 lm
mizar M dynamic white	2803 lm	2777 lm	2820 lm

Weight (kg)

mizar	0,8 kg
mizar M	1,1 kg

System Power (W)

	low output	medium output	high output	very high output	dynamic white
mizar	15W	19W	23W	34W	39W
mizar M	15W	23W	30W	40W	39W

QUICK VIEW

mizar				
LF930 3000 K	15W	19W	23W	34W
20°	1569 lm	1933 lm	2285 lm	3270 lm
40°	1485 lm	1830 lm	2164 lm	3101 lm
60°	1586 lm	1954 lm	2309 lm	3308 lm
mizar M				
LF930 3000 K	15W	23W	30W	40W
20°	1662 lm	2433 lm	3164 lm	4021 lm
40°	1642 lm	2398 lm	3110 lm	3939 lm
60°	1722 lm	2515 lm	3264 lm	4136 lm

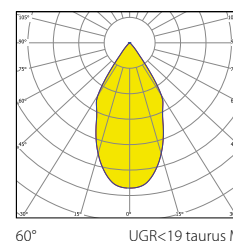
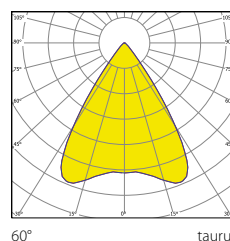
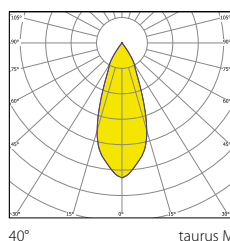
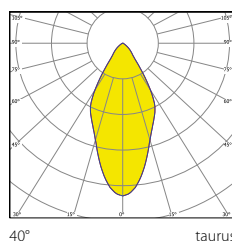
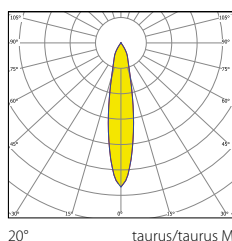
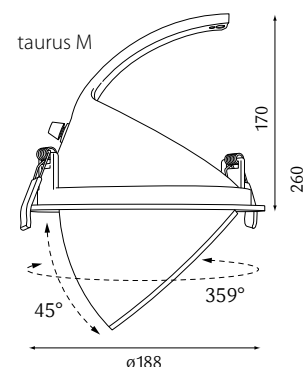
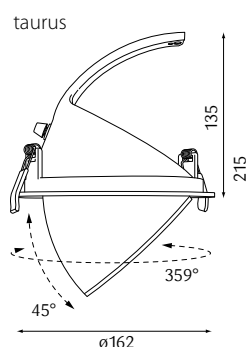


taurus / taurus M

Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



Komplettstrahler inklusive Reflektor und Konverter.
Complete spotlight including reflector and converter.
Projecteur complet incluant réflecteur et convertisseur.
Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ UGR<19 up to L90/50.000h

MacAdam 3 DAL



LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 140lm/W

$R_a > 80/90$, MacAdam 3

non-dim / DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Lifetime

up to L90 / 50.000 h

Optic

Reflector: 20°, 40°, 60°

Options

Emergency lighting 3 h



Cut out ✕

metis $\varnothing 150 \uparrow 150$ mm

metis M $\varnothing 175 \uparrow 150$ mm

Housing

powder coated

silver

white

black

1 taurus/taurus M

taurus	162
taurus M	188

2 Gehäusefarbe | Housing colour | Couleur du projecteur | Colore faretto

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
dynamic white	HCL

Food & Fashion on request

4 Output

low output	L
medium output	M
high output	H
very high output (taurus M only)	V
dynamic white	X

5 non-dim, DALI, dynamic white

non-dim	1
DALI, dynamic white	3

6 Reflektor | Reflector | Réflecteur | Riflettore

20°	2
40°	4
60°	6

Beispiel | Example | Exemple | Esempio

taurus, black, high output, 3000 K, $R_a > 90$, 60°**S35E162-SWSWC1940H16**

Luminous Flux (lm)

taurus	low output 20°	medium output 20°	high output 20°	low output 40°	medium output 40°	high output 40°	low output 60°	medium output 60°	high output 60°
LF830 3000 K	1826 lm	2244 lm	2646 lm	1706 lm	2095 lm	2469 lm	1816 lm	2232 lm	2631 lm
LF840 4000 K	1965 lm	2417 lm	2854 lm	1832 lm	2253 lm	2660 lm	1959 lm	2410 lm	2845 lm
LF927 2700 K	1472 lm	1815 lm	2148 lm	1431 lm	1749 lm	2051 lm	1472 lm	1812 lm	2141 lm
LF930 3000 K	1569 lm	1933 lm	2285 lm	1485 lm	1830 lm	2164 lm	1586 lm	1954 lm	2309 lm
LF935 3500 K	1638 lm	2015 lm	2378 lm	1543 lm	1900 lm	2246 lm	1642 lm	2022 lm	2388 lm
LF940 4000 K	1648 lm	2029 lm	2397 lm	1550 lm	1908 lm	2254 lm	1656 lm	2037 lm	2405 lm

taurus M	low output 20°	medium output 20°	high output 20°	very high output 20°	low output 40°	medium output 40°	high output 40°	very high output 40°	low output 60°	medium output 60°	high output 60°	very high output 60°
LF830 3000 K	1897 lm	2343 lm	2777 lm	3813 lm	1880 lm	2319 lm	2745 lm	3758 lm	1961 lm	2418 lm	2861 lm	3910 lm
LF840 4000 K	2045 lm	2524 lm	2990 lm	4098 lm	2023 lm	2493 lm	2951 lm	4033 lm	2124 lm	2615 lm	3090 lm	4208 lm
LF927 2700 K	1538 lm	1897 lm	2245 lm	3072 lm	1517 lm	1870 lm	2211 lm	3018 lm	1537 lm	1896 lm	2244 lm	3070 lm
LF930 3000 K	1662 lm	2053 lm	2433 lm	3340 lm	1642 lm	2026 lm	2398 lm	3282 lm	1722 lm	2124 lm	2515 lm	3444 lm
LF935 3500 K	1707 lm	2108 lm	2500 lm	3434 lm	1693 lm	2089 lm	2475 lm	3394 lm	1771 lm	2187 lm	2592 lm	3560 lm
LF940 4000 K	1721 lm	2126 lm	2519 lm	3458 lm	1704 lm	2102 lm	2489 lm	3408 lm	1762 lm	2180 lm	2590 lm	3577 lm

Luminous Flux (lm)	20°	40°	60°
taurus dynamic white	2546 lm	2433 lm	2526 lm
taurus M dynamic white	2803 lm	2777 lm	2820 lm

Weight (kg)

taurus	0,9 kg
taurus M	1,2 kg

System Power (W)

	low output	medium output	high output	very high output	dynamic white
taurus	15 W	19 W	23 W	-	39 W
taurus M	15 W	19 W	23 W	32 W	39 W

QUICK VIEW

taurus				
LF930 3000K	15W	19W	23W	
20°	1569lm	1933lm	2285lm	
40°	1485lm	1830lm	2164lm	
60°	1586lm	1954lm	2309lm	
taurus M				
LF930 3000K	15W	23W	32W	39W
20°	1662lm	2053lm	2433lm	3340lm
40°	1642lm	2026lm	2398lm	3282lm
60°	1722lm	2124lm	2515lm	3444lm

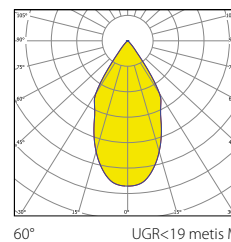
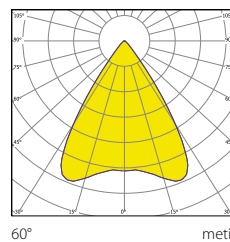
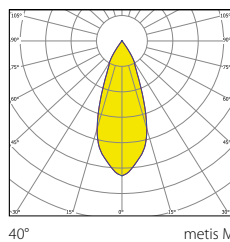
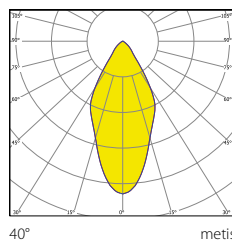
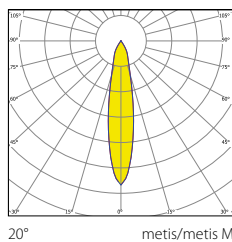
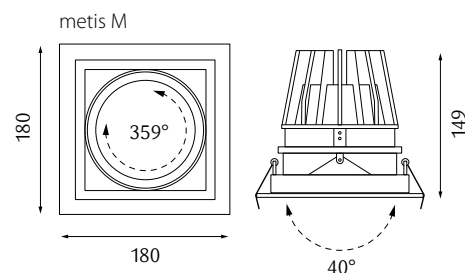
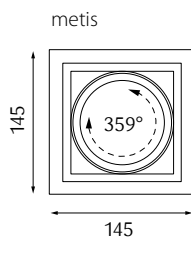


metis / metis M

Einbaustrahler | Recessed spotlight | Projecteur encastré | Faretto da incasso



Komplettstrahler inklusive Reflektor und Konverter.
Complete spotlight including reflector and converter.
Projecteur complet incluant réflecteur et convertisseur.
Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI



LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 141 lm/W

$R_a > 80/90$, MacAdam 3

non-dim / DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Lifetime

up to L90 / 50.000h

Optic

Reflector: 20°, 40°, 60°

Flexibility

rotatable up to 359°, adjustable up to 40°

Options

Emergency lighting 3 h

Housing

powder coated

silver

white

black



Cut out

metis $\square 125 \times 125 \uparrow 140 \text{ mm}$
metis M $\square 155 \times 155 \uparrow 165 \text{ mm}$

1 metis / metis M

metis	145
metis M	180

2 Gehäusefarbe | Housing colour | Couleur du projecteur | Colore faretto

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
dynamic white	HCL

Food & Fashion on request

4 Output

low output	L
medium output	M
high output	H
very high output (metis M only)	V
dynamic white	X

5 non-dim, DALI, dynamic white

non-dim	1
DALI, dynamic white	3

6 Reflektor | Reflector | Réflecteur | Riflettore

20°	2
40°	4
60°	6

Beispiel | Example | Exemple | Esempio

metis, silver, medium output, 4000 K, R_a>80, DALI, 20°**S37E145-SISIC1840M32**

Luminous Flux (lm)

metis	low output	medium output	high output	low output	medium output	high output	low output	medium output	high output
	20°	20°	20°	40°	40°	40°	60°	60°	60°
LF830 3000 K	1826 lm	2244 lm	2646 lm	1706 lm	2095 lm	2469 lm	1816 lm	2232 lm	2631 lm
LF840 4000 K	1965 lm	2417 lm	2854 lm	1832 lm	2253 lm	2660 lm	1959 lm	2410 lm	2845 lm
LF927 2700 K	1472 lm	1815 lm	2148 lm	1431 lm	1749 lm	2051 lm	1472 lm	1812 lm	2141 lm
LF930 3000 K	1569 lm	1933 lm	2285 lm	1485 lm	1830 lm	2164 lm	1586 lm	1954 lm	2309 lm
LF935 3500 K	1638 lm	2015 lm	2378 lm	1543 lm	1900 lm	2246 lm	1642 lm	2022 lm	2388 lm
LF940 4000 K	1648 lm	2029 lm	2397 lm	1550 lm	1908 lm	2254 lm	1656 lm	2037 lm	2405 lm

metis M	low output	medium output	high output	very high output	low output	medium output	high output	very high output	low output	medium output	high output	very high output
	20°	20°	20°	20°	40°	40°	40°	40°	60°	60°	60°	60°
LF830 3000 K	1670 lm	2343 lm	2777 lm	3200 lm	1655 lm	2319 lm	2745 lm	3159 lm	1728 lm	2418 lm	2861 lm	3291 lm
LF840 4000 K	1801 lm	2524 lm	2990 lm	3443 lm	1782 lm	2493 lm	2951 lm	3394 lm	1872 lm	2615 lm	3090 lm	3549 lm
LF927 2700 K	1355 lm	1897 lm	2245 lm	2584 lm	1337 lm	1870 lm	2211 lm	2542 lm	1354 lm	1896 lm	2244 lm	2582 lm
LF930 3000 K	1463 lm	2053 lm	2433 lm	2803 lm	1447 lm	2026 lm	2398 lm	2760 lm	1516 lm	2124 lm	2515 lm	2895 lm
LF935 3500 K	1502 lm	2108 lm	2500 lm	2881 lm	1490 lm	2089 lm	2475 lm	2851 lm	1559 lm	2187 lm	2592 lm	2987 lm
LF940 4000 K	1515 lm	2126 lm	2519 lm	2903 lm	1501 lm	2102 lm	2489 lm	2865 lm	1549 lm	2180 lm	2590 lm	2991 lm

Luminous Flux (lm)	20°	40°	60°
metis dynamic white	2546 lm	2433 lm	2526 lm
metis M dynamic white	2803 lm	2777 lm	2820 lm

Weight (kg)

metis	0,9 kg
metis M	1,3 kg

System Power (W)

	low output	medium output	high output	very high output	dynamic white
metis	15 W	19 W	23 W	-	39 W
metis M	15 W	19 W	23 W	32 W	39 W

QUICK VIEW

metis

LF930 3000 K	15 W	19 W	23 W
20°	1569 lm	1933 lm	2285 lm
40°	1485 lm	1830 lm	2164 lm
60°	1586 lm	1954 lm	2309 lm

metis M

LF930 3000 K	15 W	23 W	32 W	39 W
20°	1463 lm	2053 lm	2433 lm	2803 lm
40°	1447 lm	2026 lm	2398 lm	2760 lm
60°	1516 lm	2124 lm	2515 lm	2895 lm







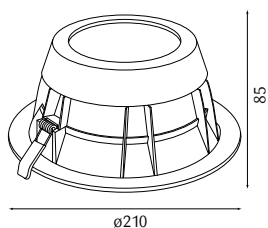
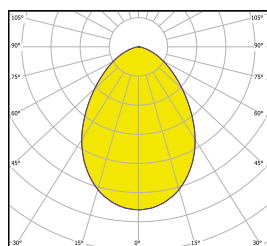
Volksbank, Landeck / Austria

leda

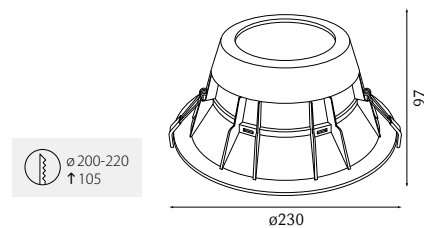
Einbaustrahler | Recessed spot | Spot encastré | Faretto da incasso

A++ A

250-700 mA DC IP54 $R_a > 80$ L80/50.000h



ø 175-200
↑ 95



ø 200-220
↑ 105

leda

761-0003-V1	WS	3000 K
761-0004-V1	WS	4000 K

leda M

761-0005-V1	WS	3000 K
761-0006-V1	WS	4000 K

		3000 K	4000 K
250 mA/DC	11,5 W	1217 lm	1301 lm
350 mA/DC	15 W	1685 lm	1791 lm
350 mA/DC	21 W	2310 lm	2436 lm
700 mA/DC	29 W	3055 lm	3181 lm



RECOMMENDED
DRIVERS p. 438

	non-dim	DALI
250 mA/DC	07	22
350 mA/DC	07	22
350 mA/DC	10	22
700 mA/DC	18	26

oslo

Einbaustrahler | Recessed spot | Spot encastré | Faretto da incasso

A++ A

350 mA DC IP44 $R_a > 80$ L80/50.000h



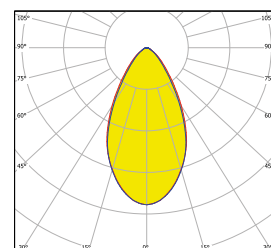
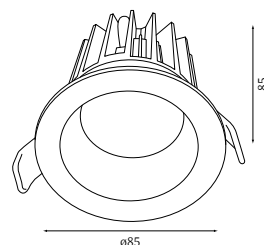
740119WS-27K	WS	2700 K	13 W	780 lm
740119WS-30K	WS	3000 K	13 W	791 lm
740119WS-40K	WS	4000 K	13 W	815 lm

ø 75
↑ 90



RECOMMENDED
DRIVERS p. 438

	non-dim	DALI
	10	22



WS weiß | white | blanc | bianco

toulon

Einbaustrahler | Recessed spot | Spot encastré | Faretto da incasso

A++ A

350mA DC IP20/IP44 $R_g > 80$ L80/50.000h



2700 K

761-0001WS-27K-V1	WS
761-0001SW-27K-V1	SW
761-0001SI-27K-V1	SI

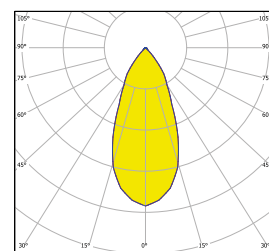
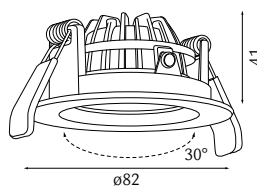
3000 K

761-0001WS-30K-V1	WS
761-0001SW-30K-V1	SW
761-0001SI-30K-V1	SI

4000 K

761-0001WS-40K-V1	WS
761-0001SW-40K-V1	SW
761-0001SI-40K-V1	SI

	2700 K	3000 K	4000 K
Luminous Flux (lm)	676 lm	708 lm	757 lm
System Power (W)	6,3 W	6,3 W	6,3 W



Zubehör | Accessories | Accessoire | Accessori

761-0002 Schutzglas | Protective glass | Verre de protection | vetro protettivo IP44

WS	weiß white blanc bianco
SW	schwarz black noir nero
SI	silber silver argent argento



FILTER
ONLINE

<https://katalog.planlicht.com>

RECOMMENDED DRIVERS p. 438

non-dim DALI

08 22



Attorney Friedl Holler, Leibnitz / Austria

spot 85 RZ

Einbaustrahler | Recessed spot | Spot encastré | Faretto da incasso

A

350mA DC IP20/IP44 $R_g > 80$ L80/50.000h



IP20

740115WS-27K	WS	2700 K
740115SW-27K	SW	2700 K
740115WS-30K	WS	3000 K
740115SW-30K	SW	3000 K
740115WS-40K	WS	4000 K
740115SW-40K	SW	4000 K

		2700 K	3000 K	4000 K
IP20	14,5 W	1372 lm	1393 lm	1435 lm
IP44	14,5 W	1180 lm	1198 lm	1234 lm



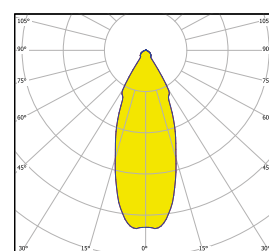
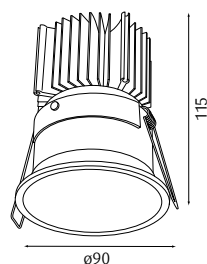
IP44

740115WS-27K-IP44	WS	2700 K
740115SW-27K-IP44	SW	2700 K
740115WS-30K-IP44	WS	3000 K
740115SW-30K-IP44	SW	3000 K
740115WS-40K-IP44	WS	4000 K
740115SW-40K-IP44	SW	4000 K

RECOMMENDED
DRIVERS p. 438

non-dim DALI

10	22
----	----



spot 90 EZ

Einbaustrahler | Recessed spot | Spot encastré | Faretto da incasso

A

350mA DC IP20/IP44 $R_g > 80$ L80/50.000h



IP20

740114WS-27K	WS	2700 K
740114SW-27K	SW	2700 K
740114WS-30K	WS	3000 K
740114SW-30K	SW	3000 K
740114WS-40K	WS	4000 K
740114SW-40K	SW	4000 K

		2700 K	3000 K	4000 K
IP20	14,5 W	1350 lm	1371 lm	1412 lm
IP44	14,5 W	1090 lm	1107 lm	1140 lm



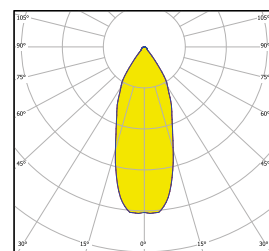
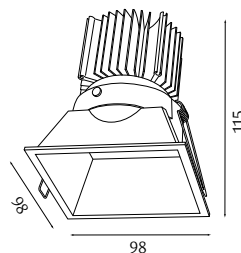
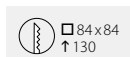
IP44

740114WS-27K-IP44	WS	2700 K
740114SW-27K-IP44	SW	2700 K
740114WS-30K-IP44	WS	3000 K
740114SW-30K-IP44	SW	3000 K
740114WS-40K-IP44	WS	4000 K
740114SW-40K-IP44	SW	4000 K

RECOMMENDED
DRIVERS p. 438

non-dim DALI

10	22
----	----



WS	weiß white blanc bianco
SW	schwarz black noir nero

spot 82

Einbaustrahler | Recessed spot | Spot encastré | Faretto da incasso

A⁺ C

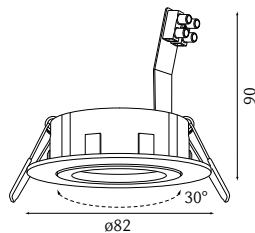
12V AC/DC IP20



spot 82R

max. 50W Gu5,3

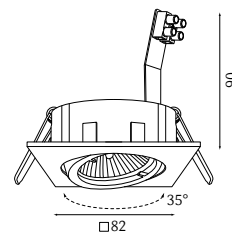
740015WS-V1	WS
740015SW-V1	SW
740015PC	PC
740015CR	CR
740015MS	ME
740015NG	NG
740015BG	BG



spot 82E

max. 50W Gu5,3

740016WS-V1	WS
740016SW-V1	SW
740016PC	PC
740016NG	NG
740016CR	CR



Zubehör | Accessories | Accessoire | Accessori

740024 Gu 10 Umrüstsatz | Gu10 Conversion kit | Kit pour source alternative Gu 10 | Kit trasformazione Gu 10 230V AC

spotlight 80

Aufbaustrahler | Surface mount luminaire | Spot en saillie | Faretto a plafone

A⁺⁺ C

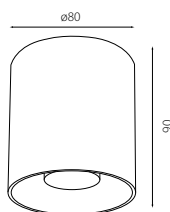
230V AC Gu10/PAR16 IP20



spotlight 80R

max. 50W Gu10/PAR16

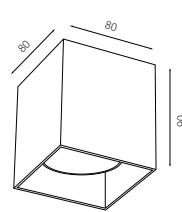
740107WS-V2	WS
740107SW-V2	SW



spotlight 80E

max. 50W Gu10/PAR16

740108WS-V2	WS
740108SW-V2	SW



LAMP | LEUCHTMITTEL | LAMPE | LAMPADA Gu10

54P929001218832	LED Gu10 dim	5W	2700K	350lm	36°
54P929001364202	LED Gu10 dim	5W	3000K	360lm	36°

WS	weiß white blanc bianco
SW	schwarz black noir nero
PC	perlchrom pearl chrome chromé mat cromo opaco
CR	chrom chrome chromé cromo
ME	messing brass laiton ottone
NG	nickel gebürstet brushed nickel nickel brossé nichel spazzolato
BG	bronze bronze bronze bronzato

spacetube

Aufbaustrahler | Surface mount luminaire | Spot en saillie | Faretto a plafone

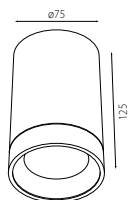
A++ A

230V AC IP54 $R_a > 80$ L80/50.000h

LED    36°  



!  INDOOR USE ONLY!



spacetube R



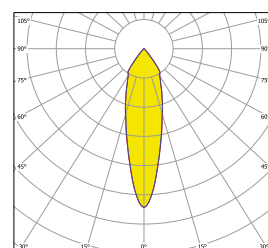
spacetube E

spacetube R

740118WS-V1	WS	3000 K	11,5 W	815 lm
740118SW-V1	SW	3000 K	11,5 W	815 lm
740118SI-V1	SI	3000 K	11,5 W	815 lm

spacetube E

740117WS-V1	WS	3000 K	11,5 W	815 lm
740117SW-V1	SW	3000 K	11,5 W	815 lm
740117SI-V1	SI	3000 K	11,5 W	815 lm



spacecube

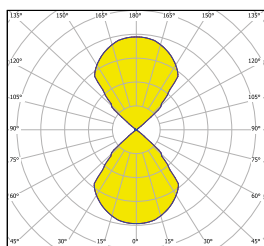
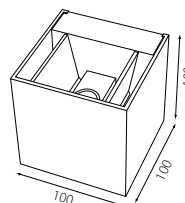
Wandleuchte | Wall light | Applique | Applique

A++ A

230V AC IP54 $R_a > 80$ L80/50.000h

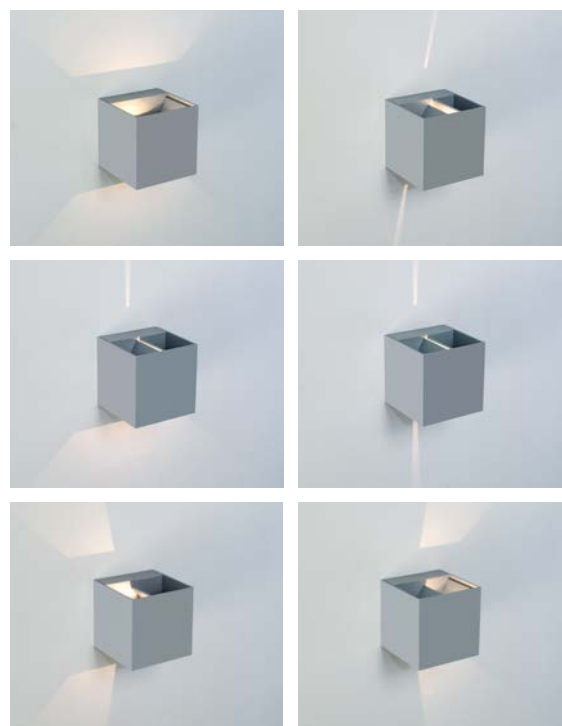
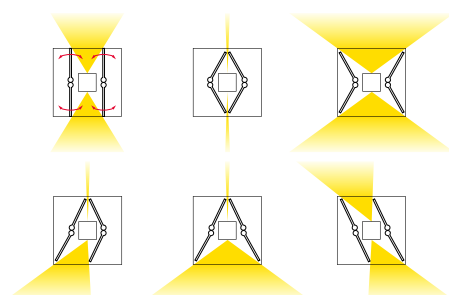
LED    36°  

!  INDOOR USE ONLY!



740112WS-V3	WS	3000 K	2x4 W	2x254 lm
740112SW-V3	SW	3000 K	2x4 W	2x254 lm
740112SI-V3	SI	3000 K	2x4 W	2x254 lm

WS weiß | white | blanc | bianco
SW schwarz | black | noir | nero
SI silber | silver | argent | argento



wall 90

Wandleuchte | Wall light | Applique | Applique

A

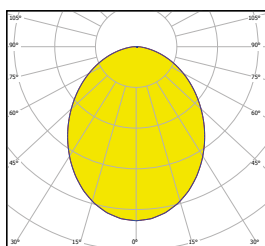
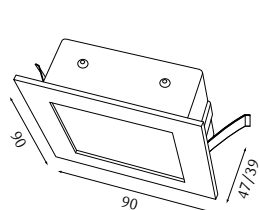
100-240V AC IP20 L80/50.000h



wall 90



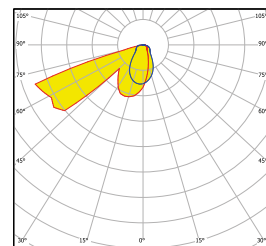
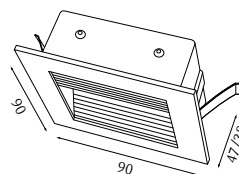
740027WS-WW	WS	3000 K	2,5 W	40 lm
740027PC-WW	PC	3000 K	2,5 W	40 lm



wall 90 grid



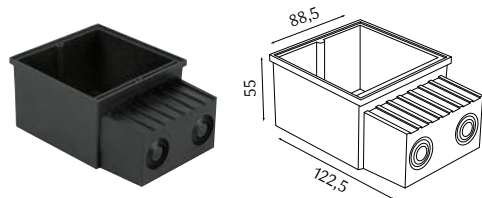
740029WS-WW	WS	3000 K	2,5 W	56 lm
740029PC-WW	PC	3000 K	2,5 W	56 lm



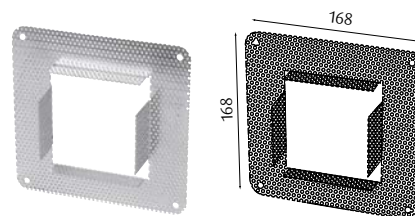
[Zubehör](#) | [Accessories](#) | [Accessoire](#) | [Accessori](#)

740030	Wandeinbaudose Wall recessed box Boîtier de montage Scatola da incasso
740031	Einputzrahmen plaster frame Cadre de montage Scatola da stuccare

740030 - recommended for recessing



740031 - optional for plaster > 15 mm



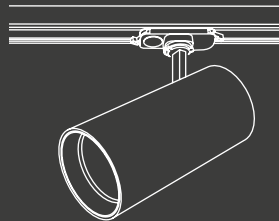
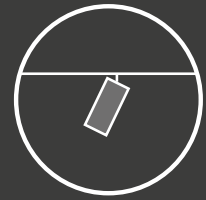
WS	weiß white blanc bianco
PC	perlchrom pearl chrome chromé mat cromo opaco

COMPONENTS

p. 412

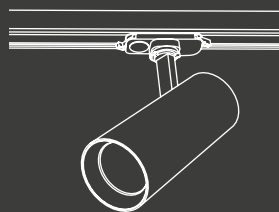
3-PHASE TRACK LIGHTS

3-PHASEN LEUCHTEN | LUMINAIRES POUR RAIL 3 PHASES | APPARECCHIO PER BINARIO 3-FASE



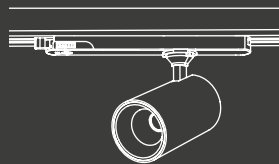
zenit L

p. 390



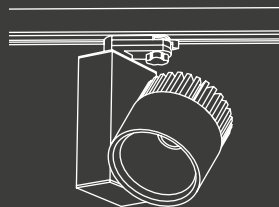
zenit M

p. 392



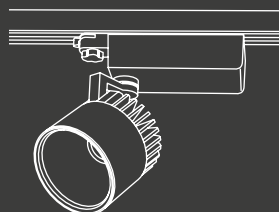
zenit S

p. 394



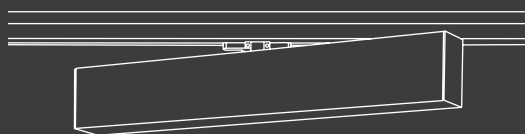
meteor

p. 400



meteor 3

p. 402



p.forty

p. 408



pure 3

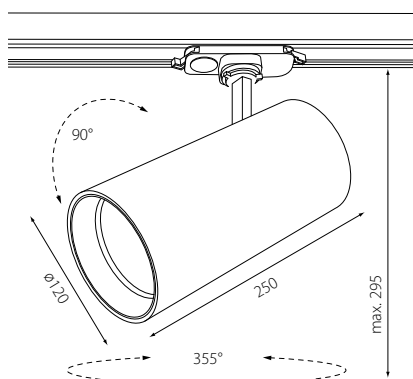
p. 410

zenit L

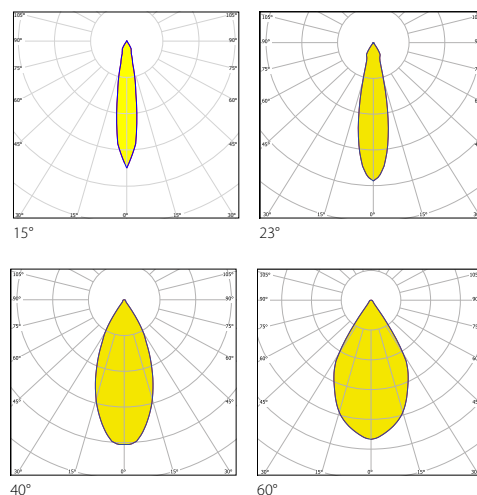
Strahler | Spotlight | Projecteur | Proiettore



Flexibility: rotatable up to 355°, adjustable up to 90°



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI      

LED

2700 K, 3000 K, 3500 K, 4000 K
Food & Fashion

up to 139 lm/W

$R_a > 80/90$, MacAdam 3

non-dim / DALI

Blue light hazard: RG≤1 IEC 62471

Optic

Reflector: 15°, 23°, 40°, 60°

Flexibility

rotatable up to 355°, adjustable up to 90°

Lifetime

up to L90 / 50.000 h

Options

Honeycomb glare protection

Oval spot lens

Clear protective glass

Blur glass

Housing

powder coated

white 

black 

1 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Carne	FLE
Wurstwaren Sausage products Charcuterie Salumi	WUR
Fisch Fish Poissonnerie Pesche	FIS
Gemüse Vegetables Légumes Verdura	FRU

3 Output

low output	L
medium output	M
high output	H

4 non-dim, DALI

non-dim	1
DALI Eutrac 3	3
DALI Global pulse	G

5 Reflektor | Reflector | Réflecteur | Riflettore

15°	1
23°	2
40°	4
60°	6

Beispiel | Example | Exemple | Esempio

white, LF940, high output, DALI Eutrac, 60°

S10S250-WSWSC1940H36

Luminous Flux (lm)	low output 15°	medium output 15°	high output 15°	low output 23°	medium output 23°	high output 23°	low output 40°	medium output 40°	high output 40°	low output 60°	medium output 60°	high output 60°
LF830 3000 K	2436 lm	3121 lm	3784 lm	2358 lm	3022 lm	3667 lm	2300 lm	2941 lm	3558 lm	2308 lm	2954 lm	3579 lm
LF840 4000 K	2619 lm	3336 lm	4023 lm	2527 lm	3236 lm	3923 lm	2455 lm	3137 lm	3794 lm	2470 lm	3161 lm	3828 lm
LF927 2700 K	1967 lm	2523 lm	3063 lm	1911 lm	2451 lm	2975 lm	1855 lm	2377 lm	2884 lm	1851 lm	2384 lm	2907 lm
LF930 3000 K	2087 lm	2684 lm	3266 lm	2038 lm	2608 lm	3289 lm	1999 lm	2557 lm	3096 lm	2010 lm	2574 lm	3120 lm
LF935 3500 K	2170 lm	2788 lm	3391 lm	2123 lm	2716 lm	3289 lm	2073 lm	2656 lm	3222 lm	2093 lm	2677 lm	3242 lm
LF940 4000 K	2185 lm	2794 lm	3382 lm	2128 lm	2724 lm	3300 lm	2083 lm	2665 lm	3226 lm	2096 lm	2684 lm	3253 lm
FAS (LF932 3250 K)	1891 lm	2424 lm	2941 lm	1841 lm	2353 lm	2847 lm	1790 lm	2291 lm	2776 lm	1800 lm	2306 lm	2797 lm
BAC	1284 lm	1641 lm	1984 lm	1247 lm	1591 lm	1920 lm	1214 lm	1594 lm	1872 lm	1221 lm	1560 lm	1887 lm
FLE	1271 lm	1623 lm	1961 lm	1238 lm	1581 lm	1911 lm	1206 lm	1542 lm	1867 lm	1211 lm	1548 lm	1873 lm
WUR	1237 lm	1581 lm	1919 lm	1203 lm	1540 lm	1865 lm	1171 lm	1499 lm	1816 lm	1176 lm	1507 lm	1828 lm
FIS	1995 lm	2557 lm	3103 lm	1942 lm	2482 lm	3003 lm	1888 lm	2417 lm	2929 lm	1899 lm	2433 lm	2951 lm
FRU	1774 lm	2282 lm	2778 lm	1744 lm	2234 lm	2708 lm	1697 lm	2177 lm	2643 lm	1706 lm	2190 lm	2661 lm

System Power (W)

zenit L	low output 19 W	medium output 25 W	high output 30 W
---------	--------------------	-----------------------	---------------------

Weight (kg)

zenit L	1,78 kg
---------	---------

QUICK VIEW

LF930 3000 K	19 W	25 W	30 W
15°	2087 lm	2684 lm	3266 lm
23°	2038 lm	2608 lm	3289 lm
40°	1999 lm	2557 lm	3096 lm
60°	2010 lm	2574 lm	3120 lm



https://katalog.planlicht.com

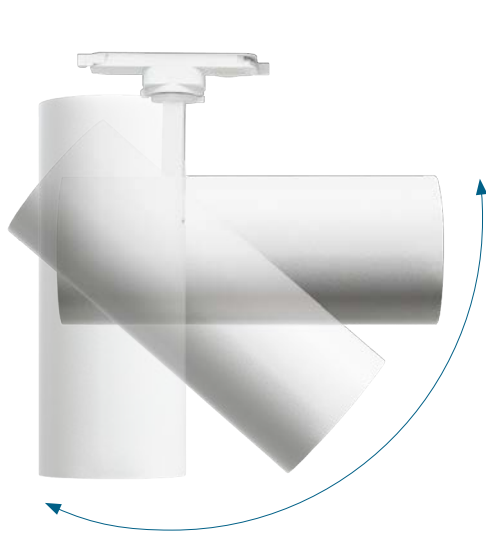


Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

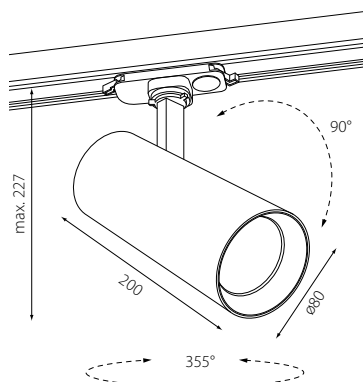
Blendschutz-Wabenraster Honeycomb glare protection Filtre anti-éblouissement nid d'abeilles Filtro anti-abbagliamento a nido d'ape	S10-BLE-120
Ovalzeichnerlinse Oval spot lens Lentille ovalisante Lenti ovalizzanti	S10-OZL-120
Klares Schutzglas Clear protective glass Verre de protection transparent Vetro di protezione trasparente	S10-SGL-120
Weichzeichnerglass Blur glass Verre effet flou Vetro con effetto sfocatura	S10-WGL-120

zenit M

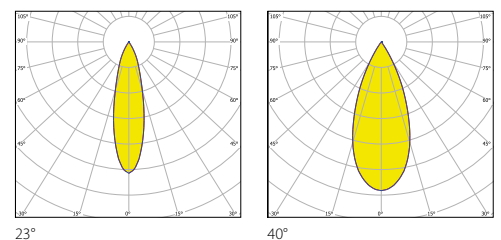
Strahler | Spotlight | Projecteur | Proiettore



Flexibility: rotatable up to 355°, adjustable up to 90°



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI      

LED

2700K, 3000K, 3500K, 4000K
Food & Fashion

up to 127lm/W

$R_a > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 23°, 40°

Flexibility

rotatable up to 355°, adjustable up to 90°

Lifetime

up to L90/50.000h

Options

Honeycomb glare protection

Oval spot lens

Clear protective glass

Blur glass

Housing

powder coated

white 

black 

1 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Carne	FLE
Wurstwaren Sausage products Charcuterie Salumi	WUR
Fisch Fish Poissonnerie Pesce	FIS
Gemüse Vegetables Légumes Verdura	FRU

3 Output

low output	L
medium output	M
high output	H
very high output	V

4 non-dim, DALI

non-dim	1
DALI Eutrac 3	3
DALI Global pulse	G

5 Reflektor | Reflector | Réflecteur | Riflettore

23°	2
40°	4

Beispiel | Example | Exemple | Esempio

white, LF940, high output, DALI Global, 40°

S10S200-WSWSC1940HG4

Luminous Flux (lm)	low output				medium output				high output				very high output			
	23°				40°				40°				40°			
LF830 3000 K	1111 lm	1322 lm	1931 lm	2505 lm	1106 lm	1315 lm	1917 lm	2482 lm	1106 lm	1315 lm	1917 lm	2482 lm	1106 lm	1315 lm	1917 lm	2482 lm
LF840 4000 K	1180 lm	1404 lm	2049 lm	2658 lm	1163 lm	1384 lm	2022 lm	2624 lm	1163 lm	1384 lm	2022 lm	2624 lm	1163 lm	1384 lm	2022 lm	2624 lm
LF927 2700 K	900 lm	1071 lm	1564 lm	2029 lm	898 lm	1068 lm	1564 lm	2018 lm	898 lm	1068 lm	1564 lm	2018 lm	898 lm	1068 lm	1564 lm	2018 lm
LF930 3000 K	944 lm	1121 lm	1629 lm	2102 lm	952 lm	1130 lm	1643 lm	2120 lm	952 lm	1130 lm	1643 lm	2120 lm	952 lm	1130 lm	1643 lm	2120 lm
LF935 3500 K	967 lm	1151 lm	1687 lm	2196 lm	974 lm	1159 lm	1696 lm	2203 lm	974 lm	1159 lm	1696 lm	2203 lm	974 lm	1159 lm	1696 lm	2203 lm
LF940 4000 K	976 lm	1161 lm	1696 lm	2199 lm	988 lm	1174 lm	1713 lm	2219 lm	988 lm	1174 lm	1713 lm	2219 lm	988 lm	1174 lm	1713 lm	2219 lm
FAS (LF932 3250 K)	880 lm	1047 lm	1531 lm	1988 lm	879 lm	1045 lm	1522 lm	1969 lm	879 lm	1045 lm	1522 lm	1969 lm	879 lm	1045 lm	1522 lm	1969 lm
BAC	604 lm	716 lm	1037 lm	1333 lm	598 lm	710 lm	1034 lm	1336 lm	598 lm	710 lm	1034 lm	1336 lm	598 lm	710 lm	1034 lm	1336 lm
FLE	604 lm	717 lm	1038 lm	1334 lm	597 lm	709 lm	1030 lm	1328 lm	597 lm	709 lm	1030 lm	1328 lm	597 lm	709 lm	1030 lm	1328 lm
WUR	570 lm	679 lm	994 lm	1293 lm	568 lm	676 lm	990 lm	1287 lm	568 lm	676 lm	990 lm	1287 lm	568 lm	676 lm	990 lm	1287 lm
FIS	924 lm	1100 lm	1607 lm	2087 lm	923 lm	1097 lm	1598 lm	2067 lm	923 lm	1097 lm	1598 lm	2067 lm	923 lm	1097 lm	1598 lm	2067 lm
FRU	774 lm	930 lm	1403 lm	1879 lm	769 lm	924 lm	1396 lm	1875 lm	769 lm	924 lm	1396 lm	1875 lm	769 lm	924 lm	1396 lm	1875 lm

System Power (W)	low output	medium output	high output	very high output
zenit M	9W	11W	17W	22W

Weight (kg)	
zenit M	1,0 kg

QUICK VIEW

LF930 3000 K	9W	12W	17W	22W
23°	944 lm	1121 lm	1629 lm	2102 lm
40°	952 lm	1130 lm	1643 lm	2120 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster Honeycomb glare protection Filtre anti-éblouissement nid d'abeilles Filtro anti-abbagliamento a nido d'ape	S10-BLE-80
Ovalzeichnerlinse Oval spot lens Lentille ovalisante Lenti ovalizzanti	S10-OZL-80
Klares Schutzglas Clear protective glass Verre de protection transparent Vetro di protezione trasparente	S10-SGL-80
Weichzeichnerglas Blur glass Verre effet flou Vetro con effetto sfocatura	S10-WGL-80

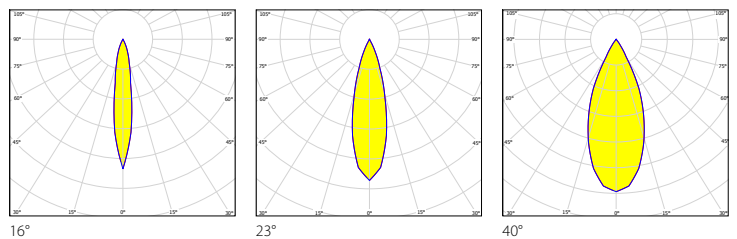


zenit S

Strahler | Spotlight | Projecteur | Proiettore



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



A++ **A**

230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI

LED

2700 K, 3000 K, 3500 K, 4000 K

up to 117 lm/W

$R_a > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: RG≤1 IEC 62471

Optic

Reflector: 16°, 23°, 40°

Flexibility

rotatable up to 355°, adjustable up to 90°

Lifetime

up to L90/50.000 h

Options

Honeycomb glare protection

Oval spot lens

Clear protective glass

Blur glass

Housing

powder coated

white

black

1 Entblendvorsatz | Anti-glare attachment
Module anti-éblouissement | Modulo anti-abbagliamento

gold gold or oro	GD
schwarz black noir nero	SW

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	WS
schwarz black noir nero	SW

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940

4 Output

low output	L
high output	H

5 non-dim, DALI

non-dim	1
DALI Global pulse	G

6 Reflektor | Reflector | Réflecteur | Riflettore

16°	1
23°	2
40°	4

Beispiel | Example | Exemple | Esempio

white, anti-glare attachment gold, LF940, high output, non-dim, 23°

S10S100-GDWSC1940H12

Luminous Flux (lm)	low output		high output		low output		high output		low output		high output	
	16°		16°		23°		23°		40°		40°	
	gold	black	gold	black	gold	black	gold	black	gold	black	gold	black
LF830 3000 K	820 lm	796 lm	1161 lm	1127 lm	784 lm	761 lm	1112 lm	1079 lm	768 lm	746 lm	1088 lm	1056 lm
LF840 4000 K	859 lm	834 lm	1217 lm	1181 lm	825 lm	801 lm	1172 lm	1138 lm	803 lm	779 lm	1139 lm	1106 lm
LF927 2700 K	644 lm	625 lm	913 lm	887 lm	623 lm	605 lm	881 lm	855 lm	609 lm	591 lm	862 lm	837 lm
LF930 3000 K	672 lm	653 lm	933 lm	906 lm	646 lm	627 lm	903 lm	877 lm	631 lm	613 lm	878 lm	852 lm
LF935 3500 K	704 lm	683 lm	987 lm	958 lm	679 lm	659 lm	952 lm	924 lm	660 lm	641 lm	925 lm	898 lm
LF940 4000 K	713 lm	692 lm	988 lm	960 lm	686 lm	666 lm	943 lm	916 lm	667 lm	647 lm	921 lm	895 lm

System Power (W)	low output	high output
zenit S	7 W	11 W

Weight (kg)	
zenit S	0,3 kg

QUICK VIEW

LF930 3000 K	7 W	11 W
16° (gold)	672 lm	933 lm
23° (gold)	646 lm	903 lm
40° (gold)	631 lm	878 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster Honeycomb glare protection Filtre anti-éblouissement nid d'abeilles Filtro anti-abbagliamento a nido d'ape	S10-BLE-58
Ovalzeichnerlinse Oval spot lens Lentille ovalisante Lenti ovalizzanti	S10-OZL-58
Klares Schutzglas Clear protective glass Verre de protection transparent Vetro di protezione trasparente	S10-SGL-58
Weichzeichnerglass Blur glass Verre effet flou Vetro con effetto sfocatura	S10-WGL-58





zenit M | Würth Modyf, Künzelsau / Germany

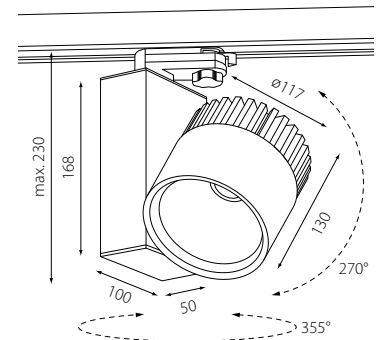
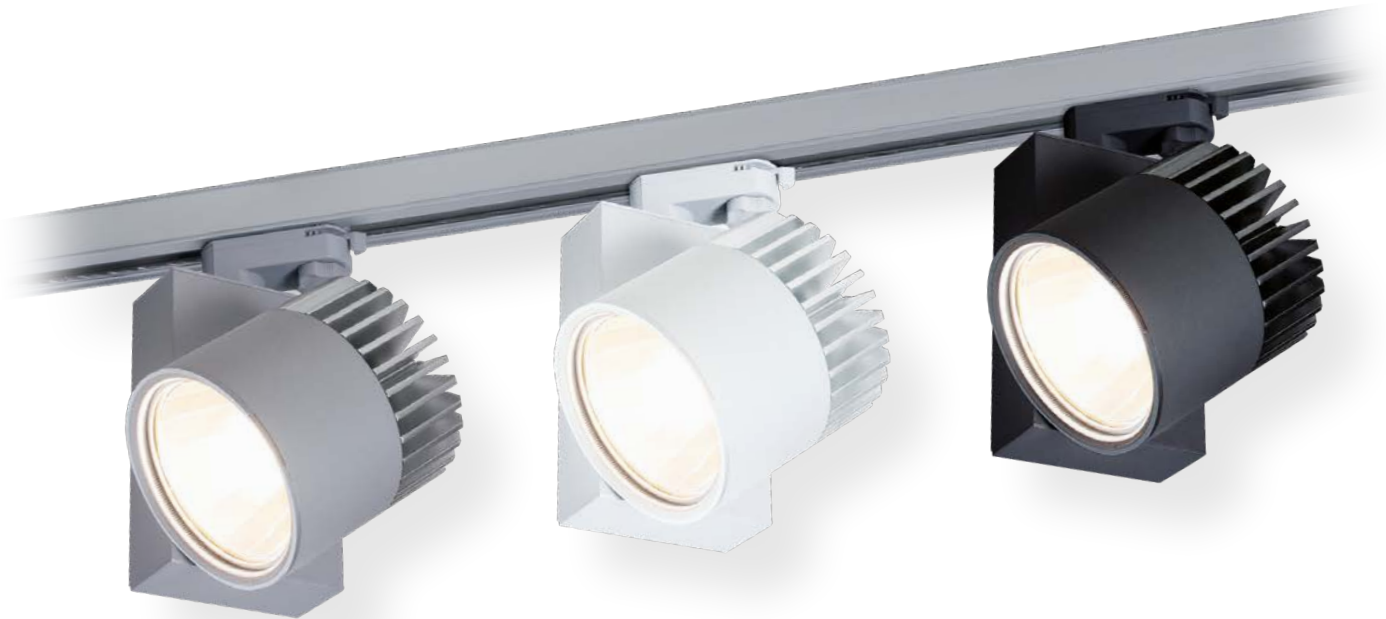




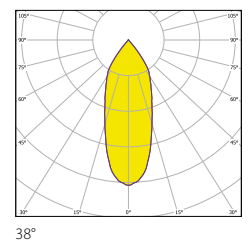
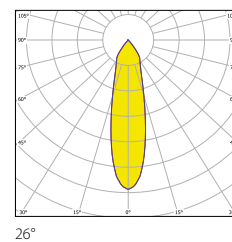
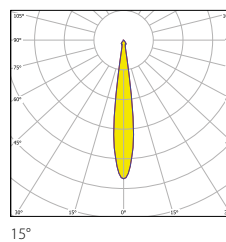
zenit M | Schlafräume, Graz / Austria

meteor

Strahler | Spotlight | Projecteur | Proiettore



Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3 DALI       

LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 148lm/W

$R_a > 80/90$, MacAdam 3

non-dim/DALI

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 15°, 26°, 38°

Flexibility

rotatable up to 355°, adjustable up to 270°

Lifetime

up to L90/50.000h

Options

Honeycomb glare protection

Housing

powder coated

silver 

white 

black 

1 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Carne	FLE
Wurstwaren Sausage products Charcuterie Salumi	WUR
Fisch Fish Poissonnerie Pesce	FIS
Gemüse Vegetables Légumes Verdura	FRU
dynamic white	HCL

3 Output

low output	L
medium output	M
high output	H
very high output	V
dynamic white	X

4 non-dim, DALI, dynamic white

non-dim	1
DALI Eutrac 3 / dynamic white	3
DALI Global pulse / dynamic white	G

5 Reflektor | Reflector | Réflecteur | Riflettore

15°	1
26°	2
38°	3

Beispiel | Example | Exemple | Esempio

black, LF935, very high output, DALI, 38°

S03S172-SWSWC1935V33

Luminous Flux (lm)	low output	medium output	high output	very high output	low output	medium output	high output	very high output	low output	medium output	high output	very high output
	15°	15°	15°	15°	26°	26°	26°	26°	38°	38°	38°	38°
LF830 3000 K	2587 lm	3245 lm	3849 lm	4734 lm	2729 lm	3428 lm	4071 lm	5021 lm	2727 lm	3427 lm	4072 lm	5027 lm
LF840 4000 K	2726 lm	3426 lm	4072 lm	5028 lm	2880 lm	3626 lm	4317 lm	5348 lm	2874 lm	3617 lm	4305 lm	5330 lm
LF927 2700 K	2104 lm	2645 lm	3144 lm	3883 lm	2230 lm	2802 lm	3330 lm	4111 lm	2222 lm	2794 lm	3322 lm	4104 lm
LF930 3000 K	2220 lm	2798 lm	3335 lm	4140 lm	2392 lm	3008 lm	3577 lm	4421 lm	2387 lm	3003 lm	3571 lm	4415 lm
LF935 3500 K	2288 lm	2890 lm	3454 lm	4306 lm	2461 lm	3107 lm	3711 lm	4622 lm	2653 lm	3277 lm	3821 lm	4551 lm
LF940 4000 K	2311 lm	2907 lm	3458 lm	4276 lm	2487 lm	3124 lm	3711 lm	4579 lm	2482 lm	3121 lm	3711 lm	4588 lm
FAS (LF932 3250 K)	1932 lm	2473 lm	2996 lm	3828 lm	2031 lm	2596 lm	3140 lm	4001 lm	2027 lm	2593 lm	3138 lm	4003 lm
BAC	1306 lm	1664 lm	2008 lm	2545 lm	1377 lm	1748 lm	2099 lm	2642 lm	1376 lm	1748 lm	2102 lm	2648 lm
FLE	1310 lm	1671 lm	2017 lm	2561 lm	1379 lm	1753 lm	2109 lm	2663 lm	1378 lm	1752 lm	2108 lm	2661 lm
WUR	1263 lm	1614 lm	1952 lm	2486 lm	1327 lm	1690 lm	2036 lm	2579 lm	1323 lm	1686 lm	2034 lm	2579 lm
FIS	2048 lm	2621 lm	3176 lm	4058 lm	2153 lm	2752 lm	3328 lm	4241 lm	2149 lm	2748 lm	3326 lm	4243 lm
FRU	1935 lm	2439 lm	2908 lm	3610 lm	2031 lm	2548 lm	3023 lm	3720 lm	2019 lm	2534 lm	3006 lm	3698 lm

Luminous Flux (lm)	15°	26°	38°
dynamic white	2811 lm	2989 lm	2966 lm

Weight (kg)	
meteor	1,4 kg

System Power (W)	low output	medium output	high output	very high output	dynamic white
meteor	20 W	26 W	31 W	41 W	39 W

QUICK VIEW

LF930 3000 K	20 W	26 W	31 W	41 W
15°	2220 lm	2798 lm	3335 lm	4140 lm
26°	2392 lm	3008 lm	3577 lm	4421 lm
38°	2387 lm	3003 lm	3571 lm	4415 lm



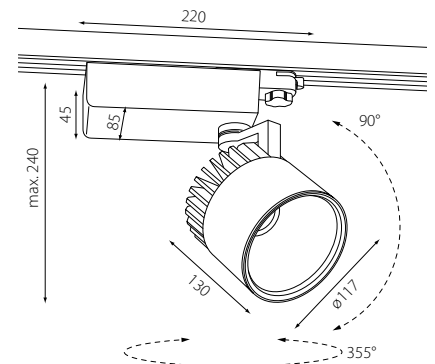
Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster | Honeycomb glare protection | Filtre anti-éblouissement nid d'abeilles | Filtro anti-abbagliamento a nido d'ape

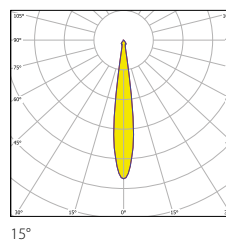
S03-BLE-99

meteor 3

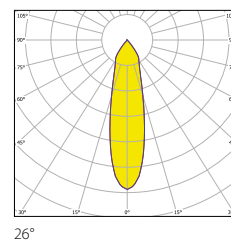
Strahler | Spotlight | Projecteur | Proiettore



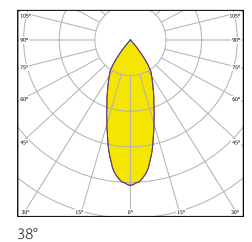
Reflektortausch werkzeuglos möglich.
Passive Kühlung. Komplettrahler inklusive Reflektor und Konverter.
Replacement of the reflector without any tools.
Passive cooling. Complete spotlight including reflector and converter.
Remplacement du réflecteur sans outil.
Refroidissement passif. Projecteur complet incluant réflecteur et convertisseur.
Sostituzione del riflettore senza utensili.
Raffreddamento passivo. Proiettore completo incluso riflettore e convertitore.



15°



26°



38°

A++ **A**

230V IP20 $R_a > 80/90$ up to L90/50.000h MacAdam 3



LED

2700K, 3000K, 3500K, 4000K
Food & Fashion, dynamic white

up to 148lm/W

$R_a > 80/90$, MacAdam 3

non-dim

Blue light hazard: $RG \leq 1$ IEC 62471

Optic

Reflector: 15°, 26°, 38°

Flexibility

rotatable up to 355°, adjustable up to 90°

Lifetime

up to L90/50.000h

Options

Honeycomb glare protection

Housing

powder coated

silver

white

black

1 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

weiß white blanc bianco	WSWS
schwarz black noir nero	SWSW
silber silver argent argento	SISI

2 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

LF830 3000 K	830
LF840 4000 K	840
LF927 2700 K	927
LF930 3000 K	930
LF935 3500 K	935
LF940 4000 K	940
LF932 3250 K Fashion	FAS
Backwaren Bakery goods Boulangerie Prodotti da forno	BAC
Fleisch Meat Boucherie Carne	FLE
Wurstwaren Sausage products Charcuterie Salumi	WUR
Fisch Fish Poissonnerie Pesche	FIS
Gemüse Vegetables Légumes Verdura	FRU

3 Output

low output	L
medium output	M
high output	H
very high output	V

4 Reflektor | Reflector | Réflecteur | Riflettore

15°	1
26°	2
38°	3

Beispiel | Example | Exemple | Esempio

white, LF927, low output, non-dim, 26°

S05S290-WSWSC1927L12

Luminous Flux (lm)	low output	medium output	high output	very high output	low output	medium output	high output	very high output	low output	medium output	high output	very high output
	15°	15°	15°	15°	26°	26°	26°	26°	38°	38°	38°	38°
LF830 3000 K	2587 lm	3245 lm	3849 lm	4734 lm	2729 lm	3428 lm	4071 lm	5021 lm	2727 lm	3427 lm	4072 lm	5027 lm
LF840 4000 K	2726 lm	3426 lm	4072 lm	5028 lm	2880 lm	3626 lm	4317 lm	5348 lm	2874 lm	3617 lm	4305 lm	5330 lm
LF927 2700 K	2104 lm	2645 lm	3144 lm	3883 lm	2230 lm	2802 lm	3330 lm	4111 lm	2222 lm	2794 lm	3322 lm	4104 lm
LF930 3000 K	2220 lm	2798 lm	3335 lm	4140 lm	2392 lm	3008 lm	3577 lm	4421 lm	2387 lm	3003 lm	3571 lm	4415 lm
LF935 3500 K	2288 lm	2890 lm	3454 lm	4306 lm	2461 lm	3107 lm	3711 lm	4622 lm	2653 lm	3277 lm	3821 lm	4551 lm
LF940 4000 K	2311 lm	2907 lm	3458 lm	4276 lm	2487 lm	3124 lm	3711 lm	4579 lm	2482 lm	3121 lm	3711 lm	4588 lm
FAS (LF932 3250 K)	1932 lm	2473 lm	2996 lm	3828 lm	2031 lm	2596 lm	3140 lm	4001 lm	2027 lm	2593 lm	3138 lm	4003 lm
BAC	1306 lm	1664 lm	2008 lm	2545 lm	1377 lm	1748 lm	2099 lm	2642 lm	1376 lm	1748 lm	2102 lm	2648 lm
FLE	1310 lm	1671 lm	2017 lm	2561 lm	1379 lm	1753 lm	2109 lm	2663 lm	1378 lm	1752 lm	2108 lm	2661 lm
WUR	1263 lm	1614 lm	1952 lm	2486 lm	1327 lm	1690 lm	2036 lm	2579 lm	1323 lm	1686 lm	2034 lm	2579 lm
FIS	2048 lm	2621 lm	3176 lm	4058 lm	2153 lm	2752 lm	3328 lm	4241 lm	2149 lm	2748 lm	3326 lm	4243 lm
FRU	1935 lm	2439 lm	2908 lm	3610 lm	2031 lm	2548 lm	3023 lm	3720 lm	2019 lm	2534 lm	3006 lm	3698 lm

System Power (W)	low output	medium output	high output	very high output
meteor	20 W	26 W	31 W	41 W

Weight (kg)

meteor 3	1,3 kg
----------	--------

QUICK VIEW

LF930 3000 K	20 W	26 W	31 W	41 W
15°	2220 lm	2798 lm	3335 lm	4140 lm
26°	2392 lm	3008 lm	3577 lm	4421 lm
38°	2387 lm	3003 lm	3571 lm	4415 lm



Optionales Zubehör | Optional accessory | Accessoire optionnel | Accessori opzionali

Blendschutz-Wabenraster | Honeycomb glare protection | Filtre anti-éblouissement nid d'abeilles | Filtro anti-abbagliamento a nido d'ape

S03-BLE-99

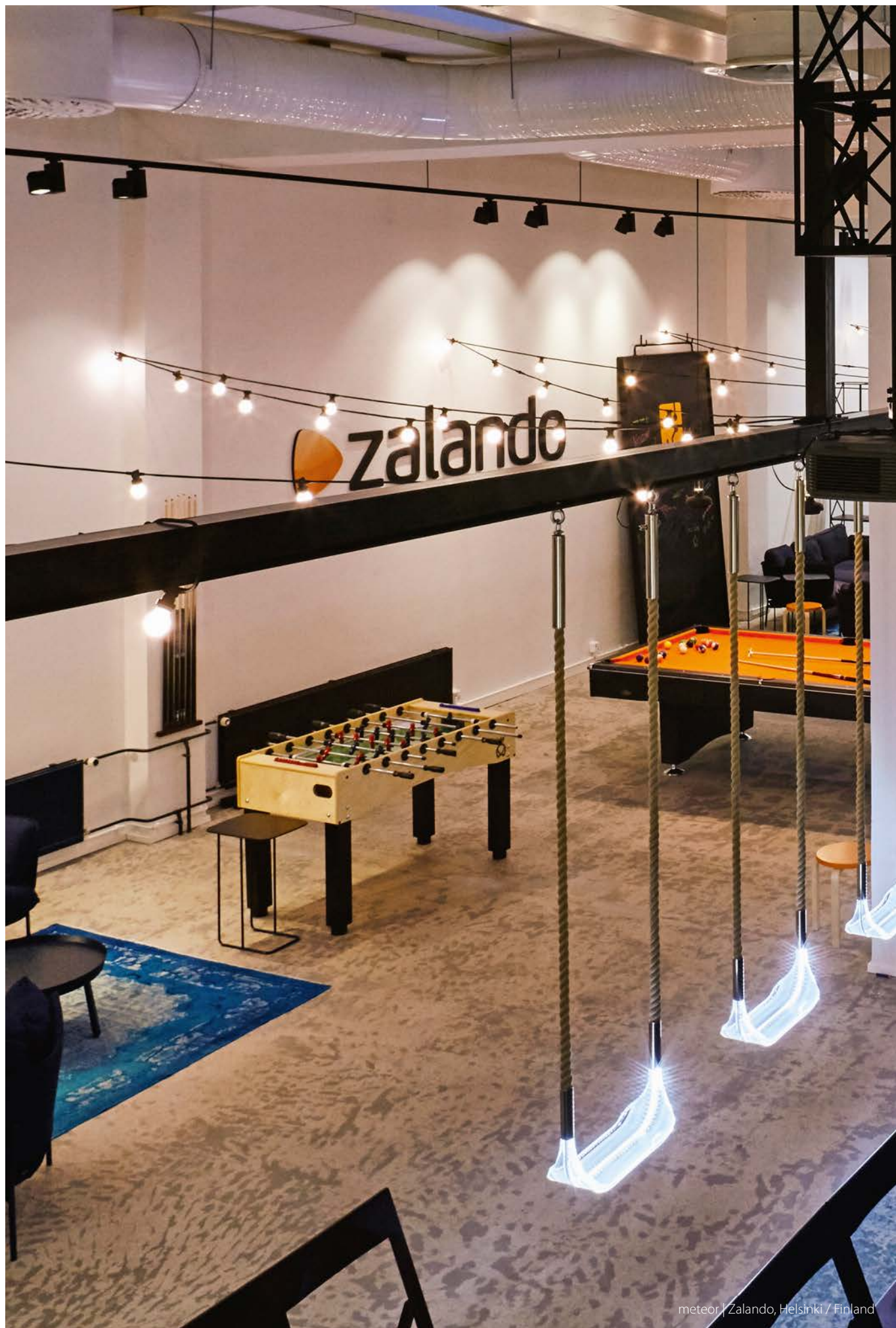




meteor | Telia, Finland (Sampsa Pärnänen)



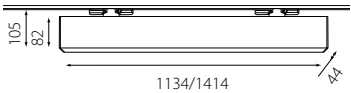
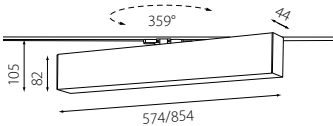
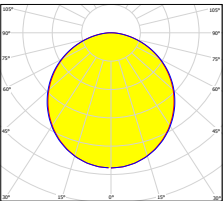
meteor 3 | Heimatstücke, Ehrenhausen / Austria



meteor | Zalando, Helsinki / Finland

p.forty

3-Phasen-Leuchte | Track mounted luminaire | Luminaire pour rail 3 phases | Apparecchio universale per binario 3-fase



A++ A

LED

- 3000K, 4000K
- up to 119lm/W, up to 2550lm/m
- R_a>80, MacAdam 3
- non-dim/DALI
- IEC 62471: Blue light hazard: RG 0

Optic

- direct
- satiné cover
- Lifetime
- up to L90/50.000h

Options

- Motion and day-light sensor
- RAL of your choice

Housing

- powder coated
- RAL 9006
- RAL 9016
- RAL 9005

230V IP20 R_a>80 up to L80/50.000h MacAdam 3 DALI



1 Länge | Length | Longueur | Lunghezza

574 mm	057
854 mm	085
1134 mm	113
1414 mm	141

customized lengths on request

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

Beispiel | Example | Exemple | Esempio

854 mm, black, 3000 K, high output DALI, satiné

P40S085-9005C1830H3S

Luminous Flux (lm)

	3000 K		4000 K	
	low output	high output	low output	high output
574 mm	816 lm	1380 lm	814 lm	1360 lm
854 mm	1227 lm	2080 lm	1230 lm	2080 lm
1134 mm	1645 lm	2803 lm	1664 lm	2879 lm
1414 mm	2051 lm	3519 lm	2075 lm	3606 lm

System Power (W)

	low output	high output
574 mm	8,2 W	13 W
854 mm	11,5 W	19 W
1134 mm	14,5 W	25 W
1414 mm	17,5 W	31 W

Weight (kg)

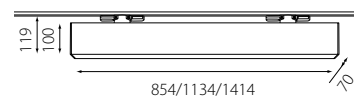
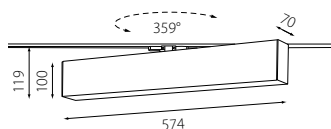
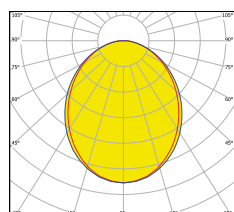
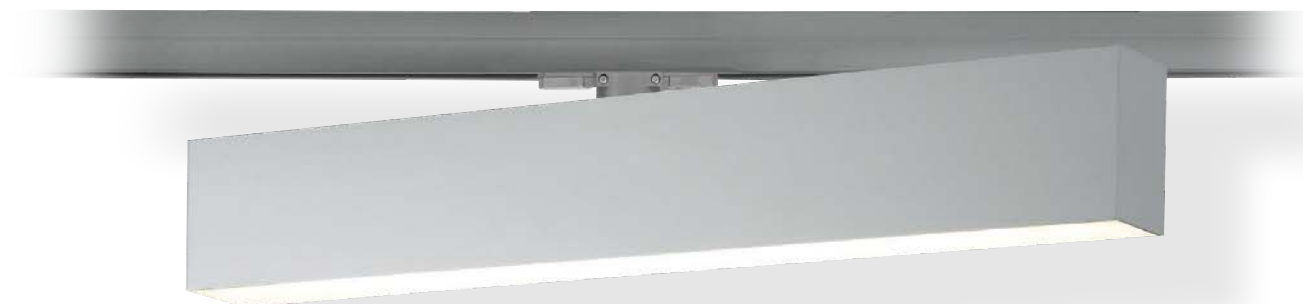
574 mm	1,5 kg
854 mm	2,0 kg
1134 mm	2,7 kg
1414 mm	3,2 kg



Hechenblaickner, Graz / Austria

pure 3

3-Phasen-Leuchte | Track mounted luminaire | Luminaire pour rail 3 phases | Apparecchio universale per binario 3-fase



A++ **A**

230V IP20 $R_a > 80$ up to L80/50.000h

MacAdam 3 DALI



LED

3000K, 4000K

up to 104lm/W, up to 2440lm/m

$R_a > 80$, MacAdam 3

non-dim/DALI

IEC 62471: Blue light hazard: RG 0

Optic

direct

satiné cover

Lifetime

up to L90/50.000h

Options

Motion and day-light sensor

RAL of your choice

RGBW version

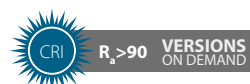
Housing

powder coated

RAL 9006

RAL 9016

RAL 9005



1 Länge | Length | Longueur | Lunghezza

574 mm	057
854 mm	085
1134 mm	113
1414 mm	141

customized lengths on request

2 Gehäusefarbe | Housing colour | Couleur du luminaire | Colore profilo

silber silver argent argento (RAL 9006)	9006
weiß white blanc bianco (RAL 9016)	9016
schwarz black noir nero (RAL 9005)	9005
RAL colours on request (p. 449)	

3 Farbtemperatur | Colour temperature | Température de couleur | Temperatura colore

3000 K	830
4000 K	840

4 Output

low output non-dim	L1
low output DALI	L3
high output DALI	H3

Beispiel | Example | Exemple | Esempio

1414 mm, white, 4000 K, low output, non-dim, satiné

P33S141-9016C1840L1S

Luminous Flux (lm)	3000 K		4000 K	
	low output	high output	low output	high output
574 mm	780 lm	1332 lm	812 lm	1366 lm
854 mm	1159 lm	2001 lm	1192 lm	2045 lm
1134 mm	1552 lm	2687 lm	1597 lm	2767 lm
1414 mm	1911 lm	3335 lm	1962 lm	3434 lm

System Power (W)	low output	high output
574 mm	8,9W	14W
854 mm	12,5W	21W
1134 mm	16W	27W
1414 mm	19W	33W

Weight (kg)

574 mm	2,3 kg
854 mm	3,3 kg
1134 mm	4,1 kg
1414 mm	5,0 kg



Components

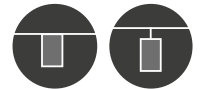
230V
AC

 3x16A

IP20



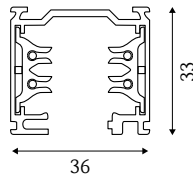
Surface-mount | Aufbau | en saillie | plafone



01

Aufbauschiene | Surface-mount track | Rail en saillie | Binario a plafone

676001AL	S	1000 mm
676001SW	B	1000 mm
676001WS	W	1000 mm
676002AL	S	2000 mm
676002SW	B	2000 mm
676002WS	W	2000 mm
676003AL	S	3000 mm
676003SW	B	3000 mm
676003WS	W	3000 mm
676004AL	S	4000 mm
676004SW	B	4000 mm
676004WS	W	4000 mm



06

Mitteinspeisung | Central power feed | Alimentation centrale

676007SI	S
676007SW	B
676007WS	W

07

Endeinspeisung | Power end feed | Alimentation latérale

676004LSI	S	←
676004LSW	B	←
676004LWS	W	←

08

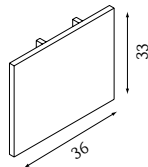
Endeinspeisung | Power end feed | Alimentation latérale

676004RSI	S	→
676004RSW	B	→
676004RWS	W	→

02

Endkappe | End cap | Embout

676011SI	S
676011SW	B
676011WS	W

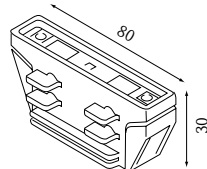


03

Längsverbinder | Segment connector | Raccord en ligne | Raccordo lineare

leitend | conductive | conducteur

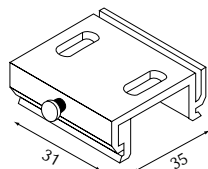
676006SW	B
676006WS	W



04

Befestigungsklammer | Clamp
Clip de montage | Staffa di montaggio

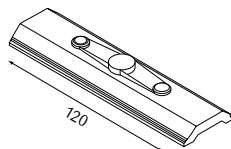
676013	S
--------	---



05

Stoßstellenverbinder | non-conductive segment connector |
Raccord en ligne non conducteur | Connettore non elettrificato

676023	S
--------	---



10

Kreuzverbinder | Cross connector | Raccord en croix | Connettore a croce

676022SI	S
676022SW	B
676022WS	W

11

Flex-Verbinder | Flexible connector
Raccord flexible | Raccordo flessibile

676010SI	S
676010SW	B
676010WS	W

12

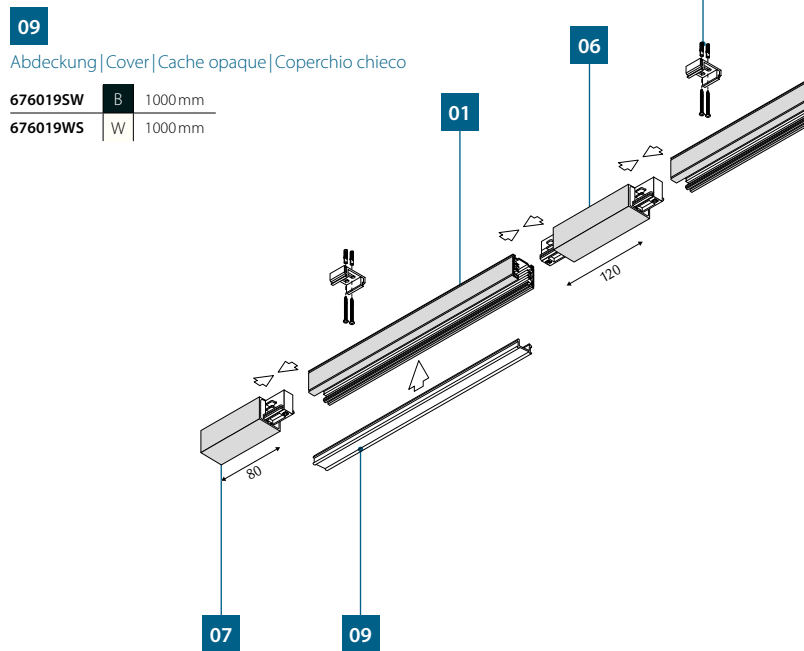
T-Verbinder | T-Connector
Connettore en T | Connettore a T

676012LSI	S	←
676012LSW	B	←
676012LWS	W	←
676012RSI	S	→
676012RSW	B	→
676012RWS	W	→

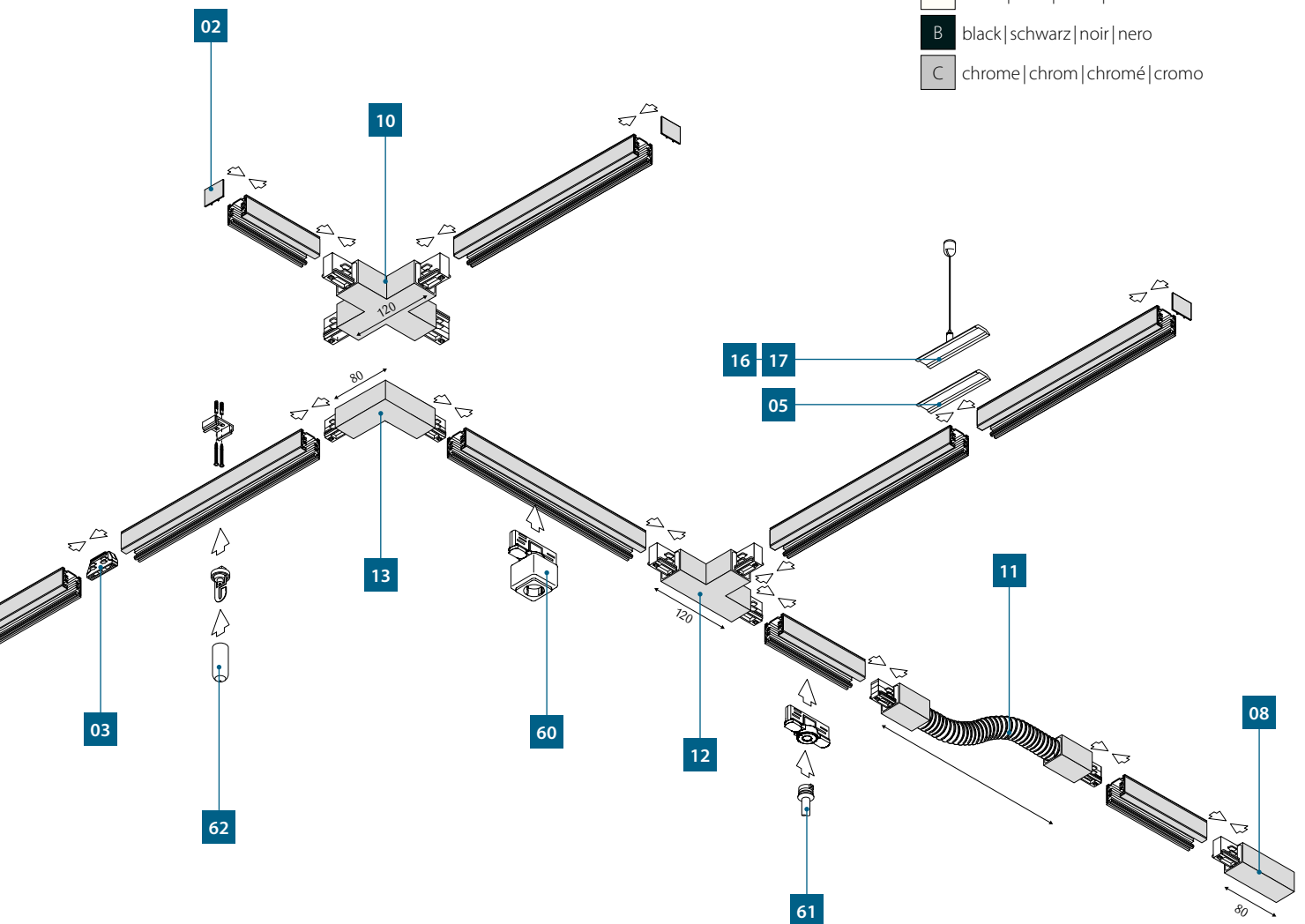
13

Eckverbinder | Corner connector
Raccord d'angle | Connettore angolare

676008LSI	S	↖
676008LSW	B	↖
676008LWS	W	↖
676008RSI	S	↗
676008RSW	B	↗
676008RWS	W	↗



- ← left | links | gauche | sinistra
 → right | rechts | droit | destra
 ⊙ inside | innen | à l'intérieur | interno
 ⊙ outside | außen | à l'extérieur | esterno
 S silver | silber | argent | argento
 W white | weiß | blanc | bianco
 B black | schwarz | noir | nero
 C chrome | chrom | cromé | cromo



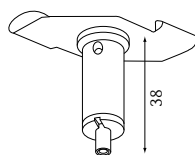
14

Caddyclip für T-Schiene | Clip Caddy T-rail |
Clip Caddy pour rail en T | Clip Caddy per pinario a T

26 mm, mit Schnellspanner | with quick release |
tendeur rapide inclus | con gancio rapido

für Stahlseil 1 mm | for steel cable 1 mm
pour câble en acier 1 mm | per cavo d'acciaio 1 mm

580760 C

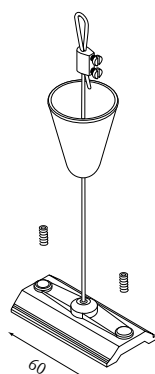


16

Seilabhängung | Suspension cable
Câble de suspension | Sospensione a cavo

für Deckenhaken | for ceiling hooks
pour crochet au plafond | per gancio soffitto

676014SW	B	2000 mm
676014WS	W	2000 mm
676016SW	B	6000 mm
676016WS	W	6000 mm

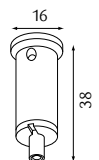


15

Deckenbefestiger mit Schnellspanner | Ceiling attachment
with quick release | Fixation plafond avec tendeur rapide

für Stahlseil 1 mm | for steel cable 1 mm
pour câble en acier 1 mm | per cavo d'acciaio 1 mm

B57100 C

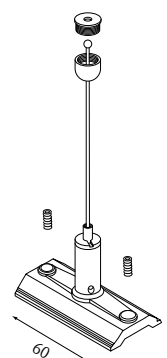


17

mit Deckenbefestigung | with ceiling mounts
avec fixation pour plafond | con gancio a soffitto

inklusive Schnellspanner unten | include the quick release below |
tendeurs rapides ci-dessous inclus | incl. gancio rapido sotto

676026WS	C	2000 mm
676026WS-6	C	6000 mm



Components

230V
AC

 3x16A

IP20



Recessed | Einbau | encastré | da incasso



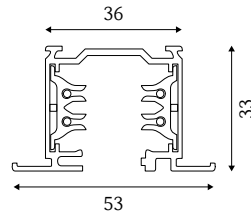
21

Einbauschiene | Recessed track | Rail encastré | Binario da incasso

679001AL	S	1000 mm
679001SW	B	1000 mm
679001WS	W	1000 mm
679002AL	S	2000 mm
679002SW	B	2000 mm
679002WS	W	2000 mm
679003AL	S	3000 mm
679003SW	B	3000 mm
679003WS	W	3000 mm
679004AL	S	4000 mm
679004SW	B	4000 mm
679004WS	W	4000 mm



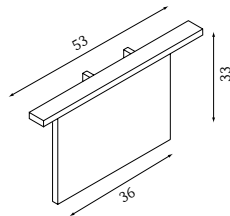
Cut out 
⇔ 37 mm



22

Endkappe | End cap | Embout

677659I00W20	S
677659I00W30	B
677659I00W31	W



23

Mitteinspeisung | Central power feed |
Alimentation centrale

679007SI	S
679007SW	B
679007WS	W

24

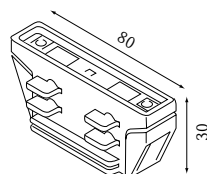
Endeinspeisung | Power end feed | Alimentation latérale

679004LSI	S	←
679004LSW	B	←
679004LWS	W	←
679004RSI	S	→
679004RSW	B	→
679004RWS	W	→

03

Längsverbinder | Segment connector | Raccord en ligne | Raccordo lineare
leitend | conductive | conducteur

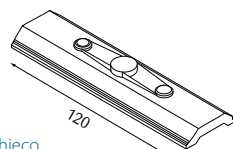
676006SW	B
676006WS	W



05

Stoßstellenverbinder | non-conductive segment connector |
Raccord en ligne non conducteur | Connettore non elettrificato

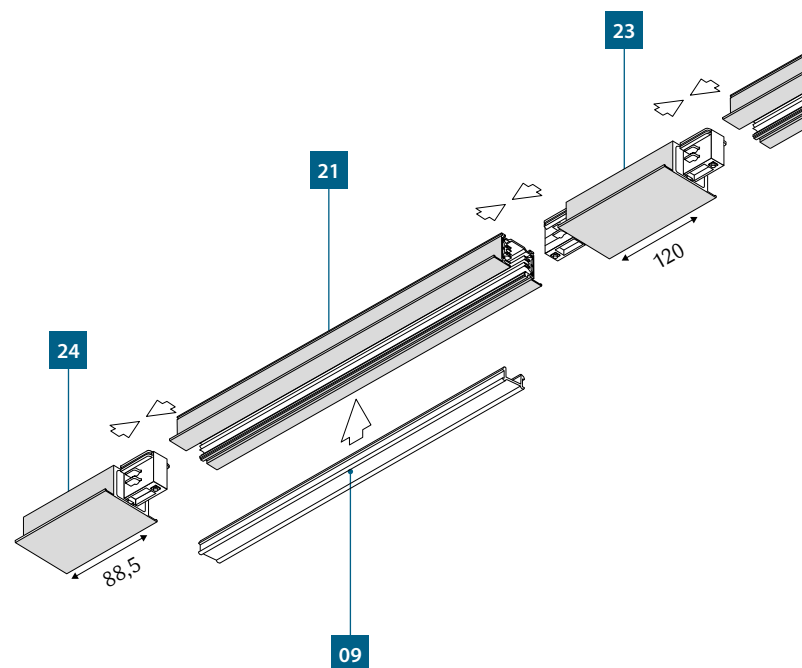
676023	S
--------	---



09

Abdeckung | Cover | Cache opaque | Coperchio chieco

676019SW	B	1000 mm
676019WS	W	1000 mm



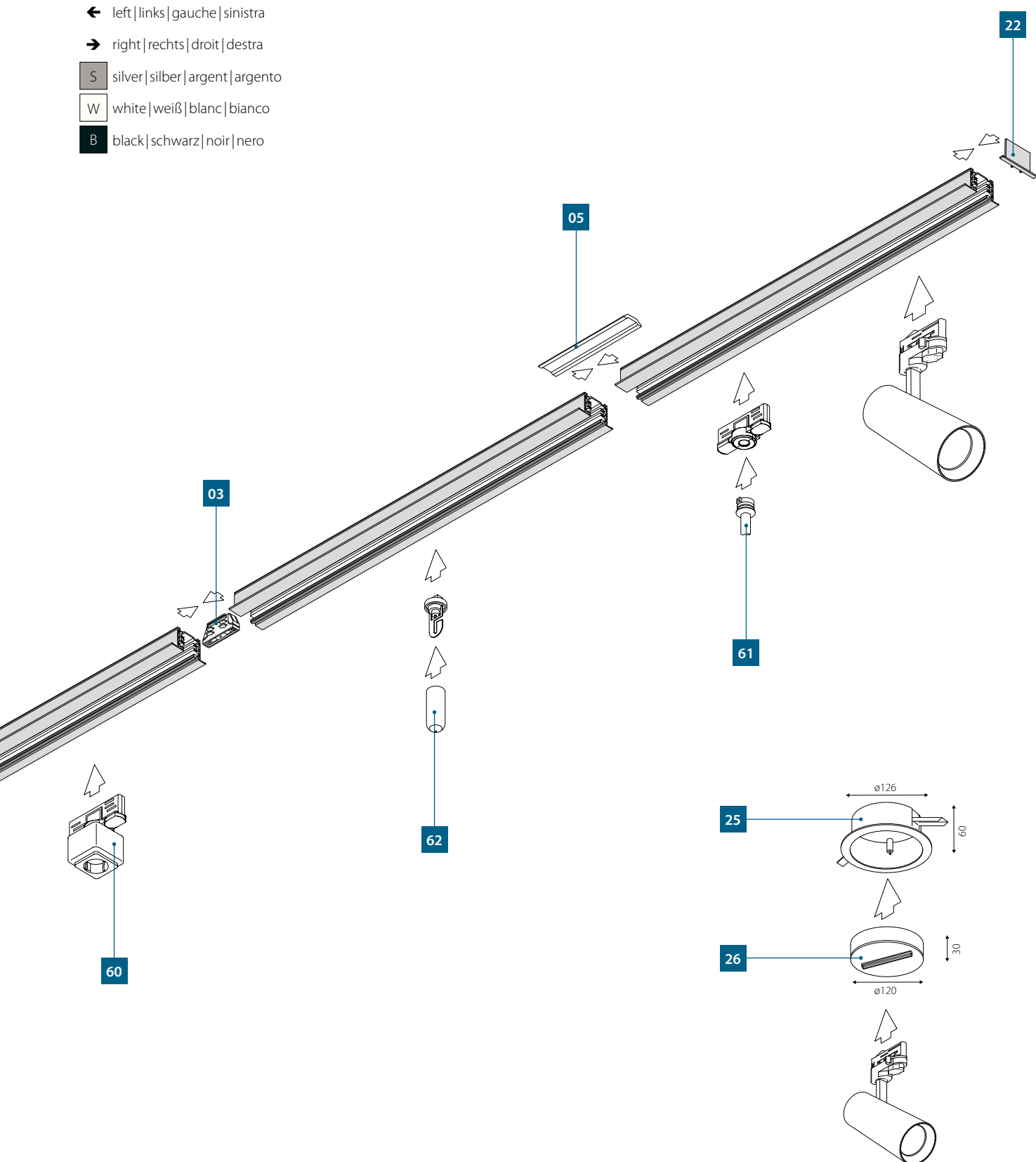
← left | links | gauche | sinistra

→ right | rechts | droit | destra

S silver | silber | argent | argento

W white | weiß | blanc | bianco

B black | schwarz | noir | nero



25

Einbaurahmen für Aufbau-Punktauslass | Mounting frame for installation-point outlet | Cadre d'encastrement pour patère

Belastbar bis 10 kg; inkl. Daten-Bus-Kontakten; für Deckenstärke bis max. 30 mm |
Load capacity up to 10 kg; data bus pins included; for ceilings up to 30 mm thick |
Charge max. 10 kg ; connexion pour bus de données incluse ; pour plafonds de 30 mm d'épaisseur max.

71555072273	S
71555072272	B
71555072276	W

26

Aufbau-Punktauslass | Surface-monopoint | Patère en saillie

Belastbar bis 10 kg; inkl. Daten-Bus-Kontakten; für Deckenstärke bis max. 30 mm |
Load capacity up to 10 kg; data bus pins included; for ceilings up to 30 mm thick |
Charge max. 10 kg ; connexion pour bus de données incluse ; pour plafonds de 30 mm d'épaisseur max.

71555072283	S
71555072282	B
71555072286	W

Geeignet für Universaladapter anderer Hersteller, max. Länge 95 mm |
Suitable for universal adapters from other manufacturers, 95 mm max. length. |
Compatible avec les adaptateurs universels d'autres fabricants, longueur max. 95 mm

Components DALI-dim / data bus Eutrac®



Surface-mount | Aufbau | en saillie | plafone

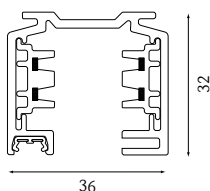


31

Eutrac-Aufbauschiene | Surface mounted track | Rail en saillie | Binario a plafone

Inklusive Datenbus. | Data bus included. | Bus de données inclus.

71225103	A	1000 mm
71225102	B	1000 mm
71225106	W	1000 mm
71225203	A	2000 mm
71225202	B	2000 mm
71225206	W	2000 mm
71225303	A	3000 mm
71225302	B	3000 mm
71225306	W	3000 mm
71225403	A	4000 mm
71225402	B	4000 mm
71225406	W	4000 mm



32

Endkappe | End cap | Embout

71555012178	S
71555012172	B
71555012176	W

33

Mitteleinspeisung | Central power feed | Alimentation centrale

Data bus included

71555212088	S
71555212082	B
71555212086	W

34

Einspeisung | Power end feed | Alimentation latérale

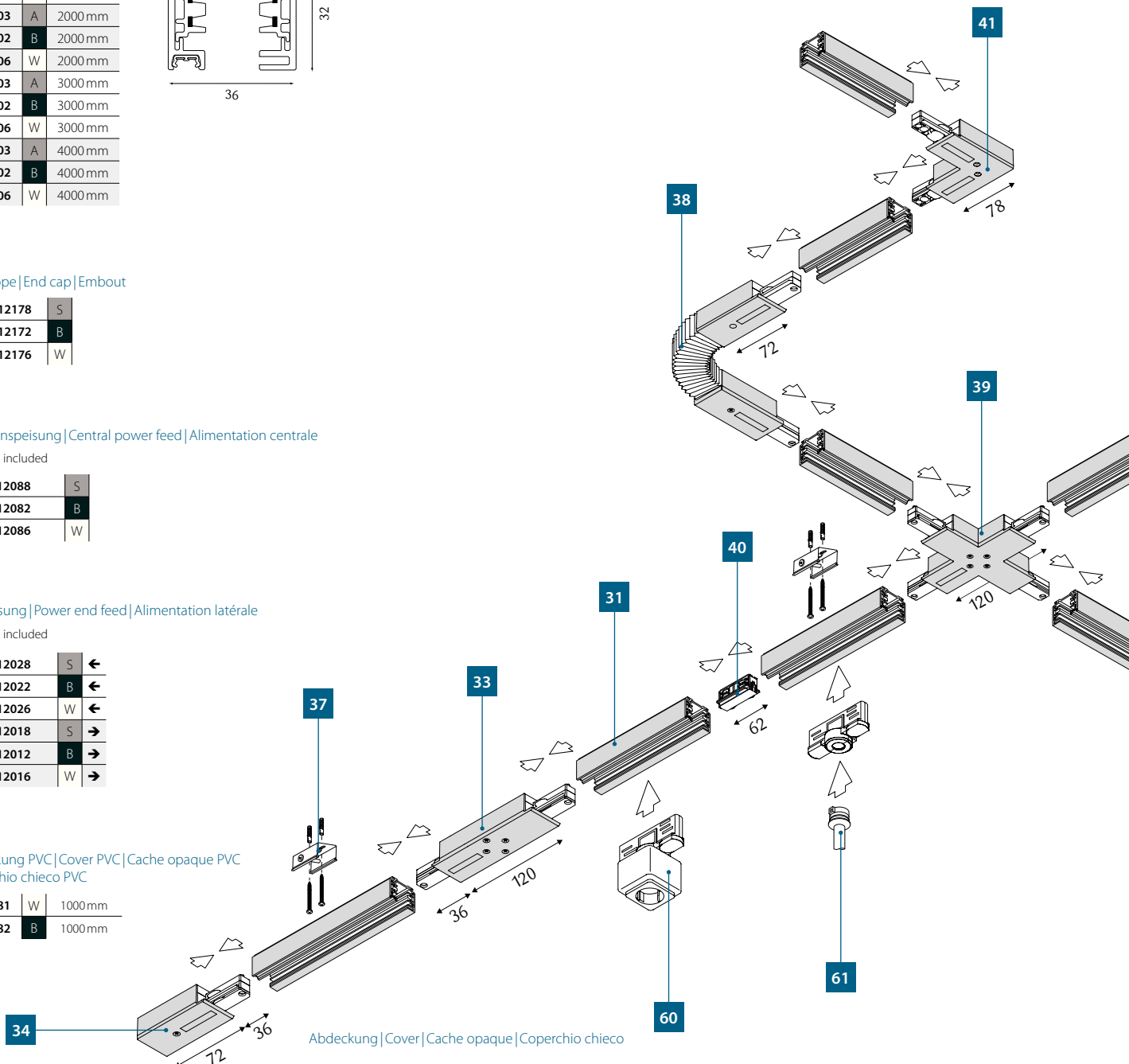
Data bus included

71555212028	S	←
71555212022	B	←
71555212026	W	←
71555212018	S	→
71555212012	B	→
71555212016	W	→

35

Abdeckung PVC | Cover PVC | Cache opaque PVC
Coperchio chieco PVC

71888881	W	1000 mm
71888882	B	1000 mm



36

Stoßstellenverbinder | non-conductive segment connector |
Raccord en ligne non conducteur | Connettore non elettrificato

Mit M13x1-Mutter auch für Seil- oder Pendelaufhängung. | With M13 nut for cable or suspended mounting. | Avec écrou M13, aussi pour suspension avec câbles ou suspension rigide.

71991233	S
71991232	B
71991236	W

- ← left | links | gauche | sinistra
- right | rechts | droit | destra
- ⦿ inside | innen | à l'intérieur | interno
- ⌚ outside | außen | à l'extérieur | esterno

S	silver Silber argent argento
W	white weiß blanc bianco
B	black schwarz noir nero
A	aluminium anodised

37

Deckenclip | Ceiling clip | Clip de montage plafond

Aus Stahlblech. | Made of sheet steel. | En tôle d'acier.

71986980 | 50×36×19 mm

38

Flex-Verbinder | Flexible connector | Raccord flexible

Data bus included

71555212118	S
71555212112	B
71555212116	W

39

Kreuzverbinder | Cross connector
Raccord en croix | Connettore a croce

Data bus included

71555212168	S
71555212162	B
71555212166	W

40

Längsverbinder | Segment connector
Raccord en ligne | Raccordo lineare

Data bus included

71555212068	S
71555212062	B
71555212066	W

41

Eckverbinder | Corner connector
Raccord d'angle | Connettore angolare

Data bus included

71555212098	S	↺
71555212092	B	↺
71555212096	W	↺
71555212108	S	⊙
71555212102	B	⊙
71555212106	W	⊙

42

T-Verbinder | T-Connector
Connecteur en T | Connettore a T

Schutzleiter innen. | Protective conductor inside. | Terre interne.

71555212138	S	←
71555212132	B	←
71555212136	W	←
71555212128	S	→
71555212122	B	→
71555212126	W	→

Schutzleiter außen. | Protective conductor outside. | Terre externe.

71555212158	S	←
71555212152	B	←
71555212156	W	←
71555212148	S	→
71555212142	B	→
71555212146	W	→

43

Pendelclip mit M13x1-Mutter | Pendant clip M13x1 |
Clip de montage pour suspension avec écrou M13x1

71990752	B	50×36×19 mm
71990756	W	50×36×19 mm
71990753	S	50×36×19 mm

44

Seilabhängung | Suspension cable | Câble de suspension

Mit Schnellspanner unten an der Schiene. Clip mit M13-Mutter notwendig. | With quick release on the track. Clip with M13 nut necessary. | Avec tendeur rapide sur le dessous du rail. Clip de montage pour suspension avec écrou M13 requis.

71993190A	3000 mm
71886200A	6200 mm

3000/6200

Pendelaufhängung | Suspension rod | Suspension rigide

Clip mit M13x1-Mutter notwendig. | Clip with M13 nut necessary. | Clip de montage pour suspension avec écrou M13 requis.

600 mm	1200 mm
71999052	71999062
71999056	71999066

600/1200

Components DALI-dim / data bus Eutrac®

Recessed | Einbau | encastré | da incasso

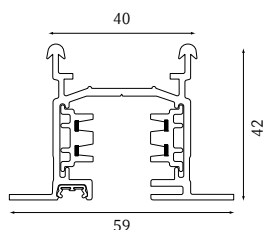
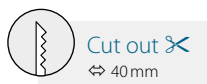


51

Eutrac-Einbauschiene | Recessed mounted track | Rail encastré | Binario da incasso

Data bus included

71226206	W	2000 mm
71226306	W	3000 mm
71226406	W	4000 mm



52

Endkappe | End cap | Embout

71555032176	W
-------------	---

53

Mitteinspeisung | Central power end feed | Alimentation centrale

Data bus included

71555232086	W
-------------	---

54

Einspeisung | Power feed | Alimentation latérale

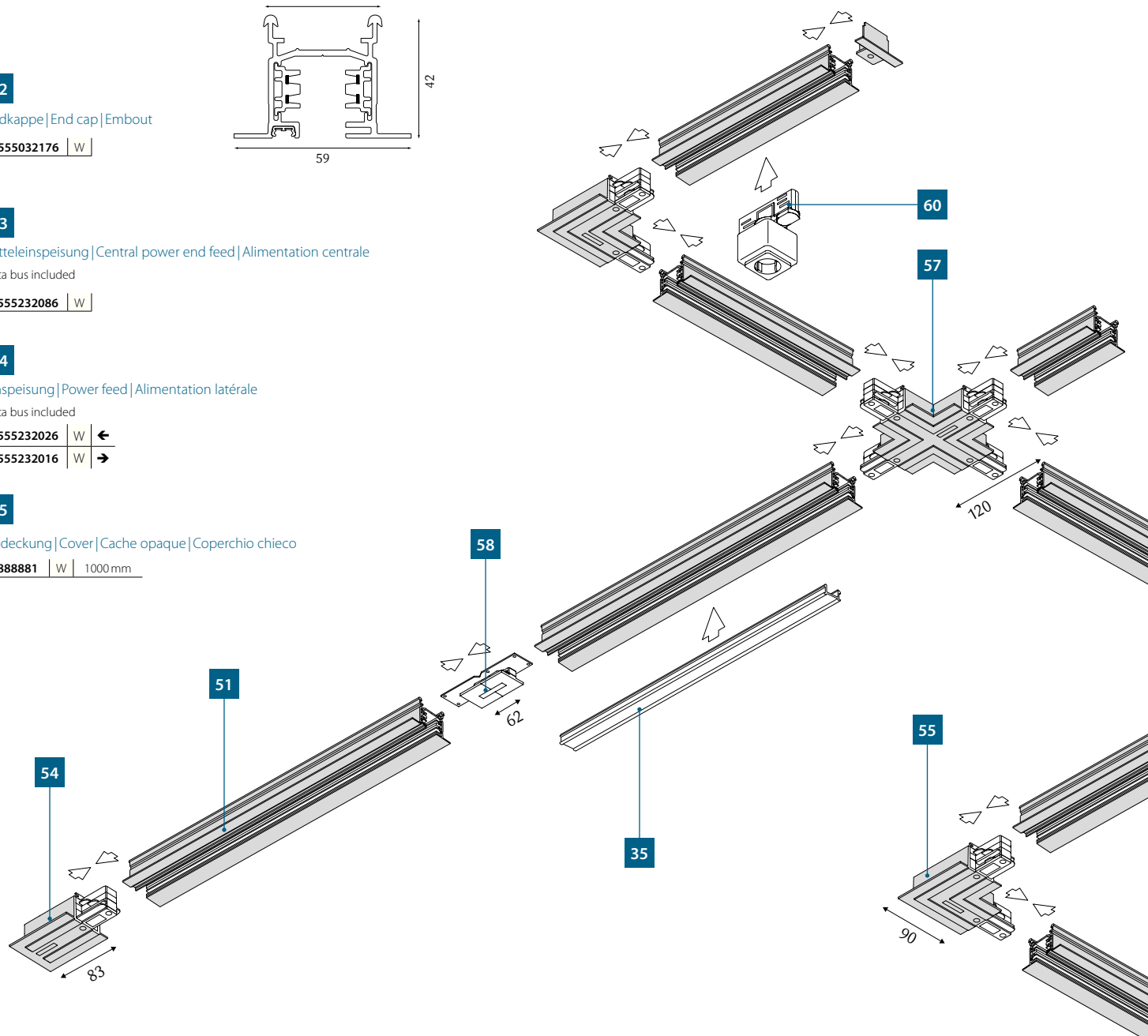
Data bus included

71555232026	W	←
71555232016	W	→

35

Abdeckung | Cover | Cache opaque | Coperchio chiedo

71888881	W	1000 mm
----------	---	---------



← left | links | gauche | sinistra

→ right | rechts | droit | destra

W white | weiß | blanc | bianco

25

Einbaurahmen für Aufbau-Punktauslass | Mounting frame for installation-point outlet | Cadre d'encastrement pour patère

Belastbar bis 10 kg; inkl. Daten-Bus-Kontakten; für Deckenstärke bis max. 30 mm |
Load capacity up to 10 kg; data bus pins included; for ceilings up to 30 mm thick |
Charge max. 10 kg ; connexion pour bus de données incluse ; pour plafonds de 30 mm d'épaisseur max.

71555072273	S
71555072272	B
71555072276	W

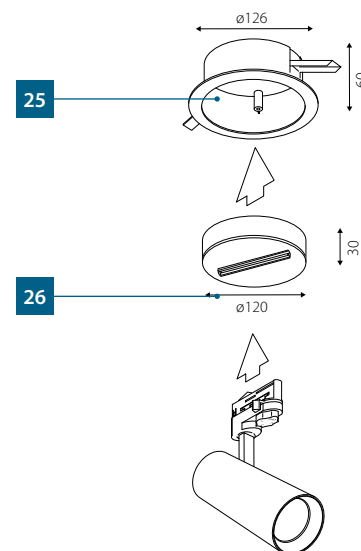
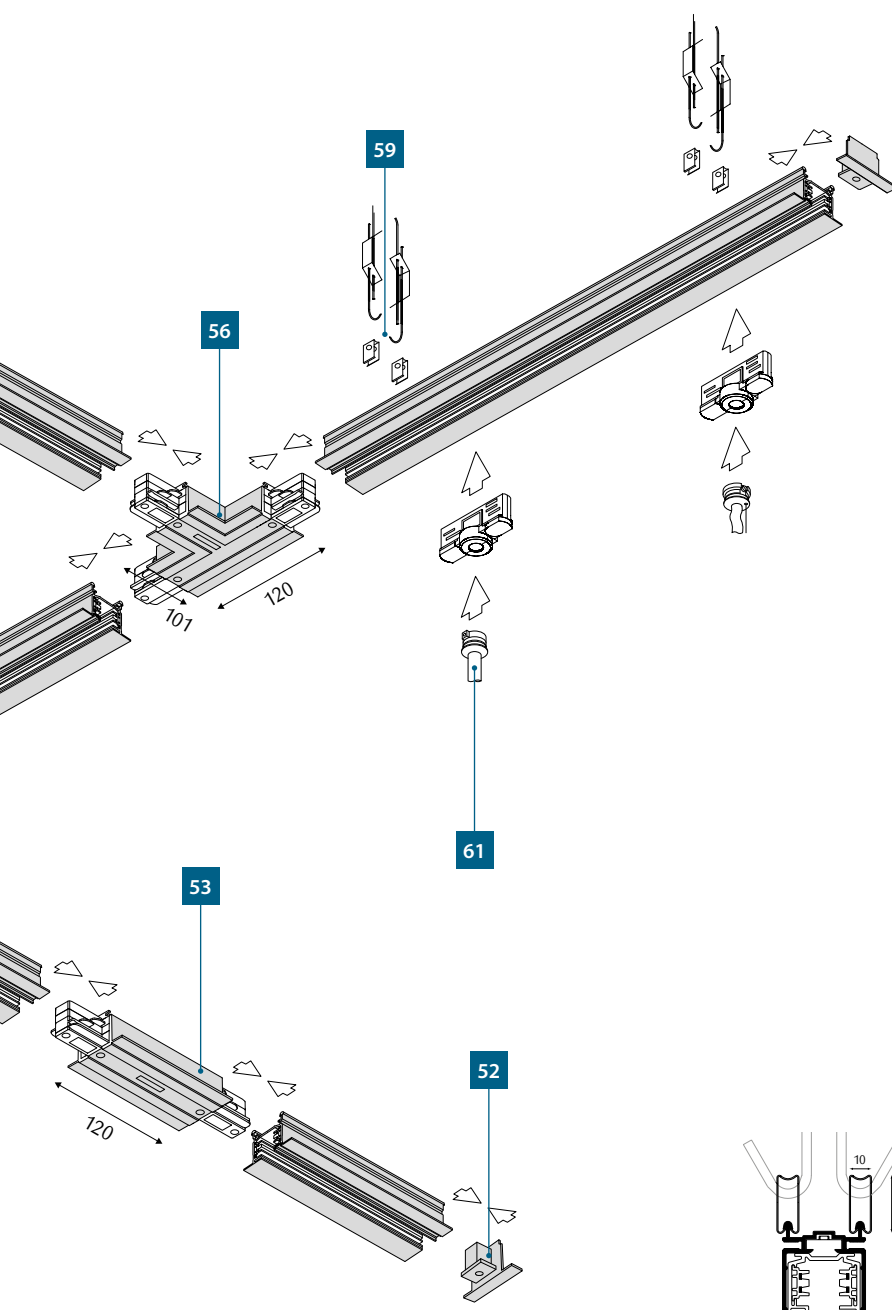
26

Aufbau-Punktauslass | Surface-monopoint | Patère en saillie

Belastbar bis 10 kg; inkl. Daten-Bus-Kontakten; für Deckenstärke bis max. 30 mm |
Load capacity up to 10 kg; data bus pins included; for ceilings up to 30 mm thick |
Charge max. 10 kg ; connexion pour bus de données incluse ; pour plafonds de 30 mm d'épaisseur max.

71555072283	S
71555072282	B
71555072286	W

Geeignet für Universaladapter anderer Hersteller, max. Länge 95 mm |
Suitable for universal adapters from other manufacturers, 95 mm max. length. |
Compatible avec les adaptateurs universels d'autres fabricants, longueur max. 95 mm



55

Eckverbinder | Corner connector Raccord d'angle | Connettore angolare

Data bus included

71555232096	W	Protective conductor outside (ext.)
71555232106	W	Protective conductor inside (int.)

56

T-Verbinder | T-Connector | Connecteur en T | Connettore a T

Data bus included

71555232136	W	←	Protective conductor inside (int.)
71555232126	W	→	Protective conductor inside (int.)
71555232156	W	←	Protective conductor outside (ext.)
71555232146	W	→	Protective conductor outside (ext.)

57

Kreuzverbinder | Cross connector Raccord en croix | Connettore a croce

Data bus included

71555232166	W
-------------	---

58

Längsverbinder | Segment connector Raccord en ligne | Raccordo lineare

Data bus included

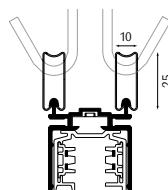
Leitend | Conductive | Conducteur

71555232066	W
-------------	---

59

Federclip | Spring clip | Pièce de fixation à ressort

71557053210	6 pcs.
-------------	--------



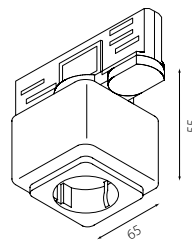
Components



60

3~ Steckdosen Multi-Adapter | 3 ~ Sockets Multiadapter | Adaptateur de prise multifonction 3 phases

Für den Anschluss von Geräten der Schutzklasse I (System Schuko) bzw. universell einsetzbar für Geräteflachstecker Schutzklasse II, für Netzspannung 220-240V mit Sicherung 6,3 A, träge.
For the connection of devices of protection class I (System Schuko) or universally applicable for flat plugs of protection class II, for mains voltage 220-240V with fuse 6,3 A, slow.
Pour le raccordement d'appareils de classe de protection I (système Schuko / prise de type F) ou de prises plates d'appareils de classe 2. Pour tension de réseau 220-240V, avec fusible temporisé 6,3 A.



S	silver Silber argent argento
W	white weiß blanc bianco
B	black schwarz noir nero
A	aluminium
G	grey grau gris grigio

71990952	B
71990956	W

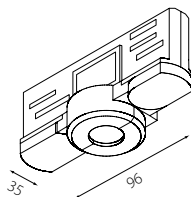
61

EUTRAC Multi-Universaladapter | EUTRAC Multi-Universal Adapter | Adaptateur universel multifonction EUTRAC

Für 3-Phasen Stromschiene, mit Datenbus-Option, mit Schraubklemmen und vernickelten Federkontakten. Zugelassen für 6 A induktiv / 6 A ohmsch bei 250V. Mit Schutzleiteranschluss und Phasenwahlschalter. Phasenwahl über Drehkern mit Nullstellung im eingesetzten Zustand. Durch Doppelpiegel besserer mechanischer Halt in der Schiene auch bei Einsatz schwerer Strahler, belastbar bis 5 kg, ohne Montage-Nippel.
For 3- circuit track with data bus option, with screw terminals and nickel plated spring contacts. Approved for 6A inductive / 6 A ohmic at 250V. With protective conductor connection and phase selector switch. Phase selection via a rotary switch, which is in the zero position for installation. By using two holders at each rotary switch allows for better mechanical grip in the track, this allows the use of heavy spotlights, max. weight 5 kg, mounting nipple not included.
Pour rail 3 phases. Bornes à vis et contacts à ressort nickelés inclus. Option bus de données disponible. Charge max. : 6A en circuit inductif / 6A en circuit résistif en 250V. Equipé d'une connexion à la terre et d'un sélecteur de phase. Sélection de la phase par bouton rotatif, sur position zéro lors de l'installation. Dispositif de double verrou pour une meilleure tenue mécanique sur le rail. Capacité de charge jusqu'à 5kg, sans raccord de montage.

71997598	S
71997592	B
71997596	W

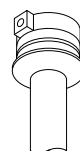
Optionaler Datenbusabgriff für EUTRAC-Schiene. | Optional data bus tap for EUTRAC rail. | Port de bus de données optionnel pour rails EUTRAC



Montage-Nippel M10x1 | Mounting nipple | Raccord de montage

Mit Innengewinde für Pendelrohr. | With internal thread for pendant tube. | Avec filetage intérieur pour suspension rigide tubulaire.

71990848	S	M10 x 1
71990842	B	M10 x 1
71990846	W	M10 x 1



Montage-Nippel | Mounting nipple | Raccord de montage

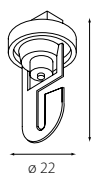
Für Mantelleitung. DALI-Mantelleitung, inkl. Zugentlastung, inklusive seitlichem Durchgangsloch für Stahlseil ø 1-2 mm. | For sheathed cable. DALI-sheathed cable, incl. Strain relief. Includes hole for steel cable ø 1-2 mm. | Pour conducteur sous gaine. Gaine DALI, dispositif de décharge de traction de câble inclus. Trou percé sur la partie latérale pour le passage d'un câble en acier de ø 1-2 mm.

71990833	S	3 x 0,75 mm²
71990832	B	3 x 0,75 mm²
71990836	W	3 x 0,75 mm²



71996980

62



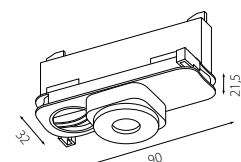
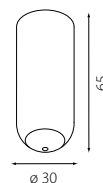
Universalhaken | Universal hook | Crochet universel

71990672	B
71990676	W

max. 10 kg Traglast | Max. 10 kg load capacity |
max. Capacité de charge de 10 kg

Kappe zu Universalhaken | Cap for universal hook | Embout de protection pour crochet universel

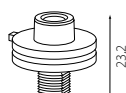
71992842	B
71992846	W



Stucchi Multi-DALI-Adapter | Stucchi Multi-DALI Adapter | Adaptateur multifonction DALI Stucchi

für Datenbusschiene, kompatibel mit: AAG-Stucchi mit Datenbus und Nordic / Global Track Pulse |
for data bus rail, compatible with: AAG-Stucchi with data bus and Nordic / Global Track Pulse |
pour rail de avec bus données, compatible avec : AAG-Stucchi avec bus de données et Nordic / Global Track Pulse

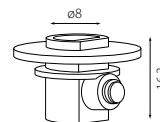
424-9009-G	G
424-9009-B	B
424-9009-W	W



Stucchi Montage-Nippel | Stucchi Mounting nipple | Raccord de montage Stucchi

M10 aus Aluminium, zur Aufnahme von Spots |
M10 made of aluminum, for holding spots |
M10 en aluminium, pour l'installation de spots

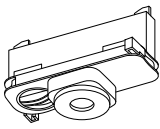
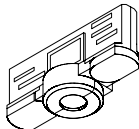
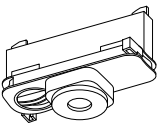
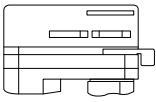
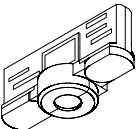
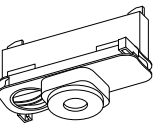
424-S-9009-M10	A
----------------	---



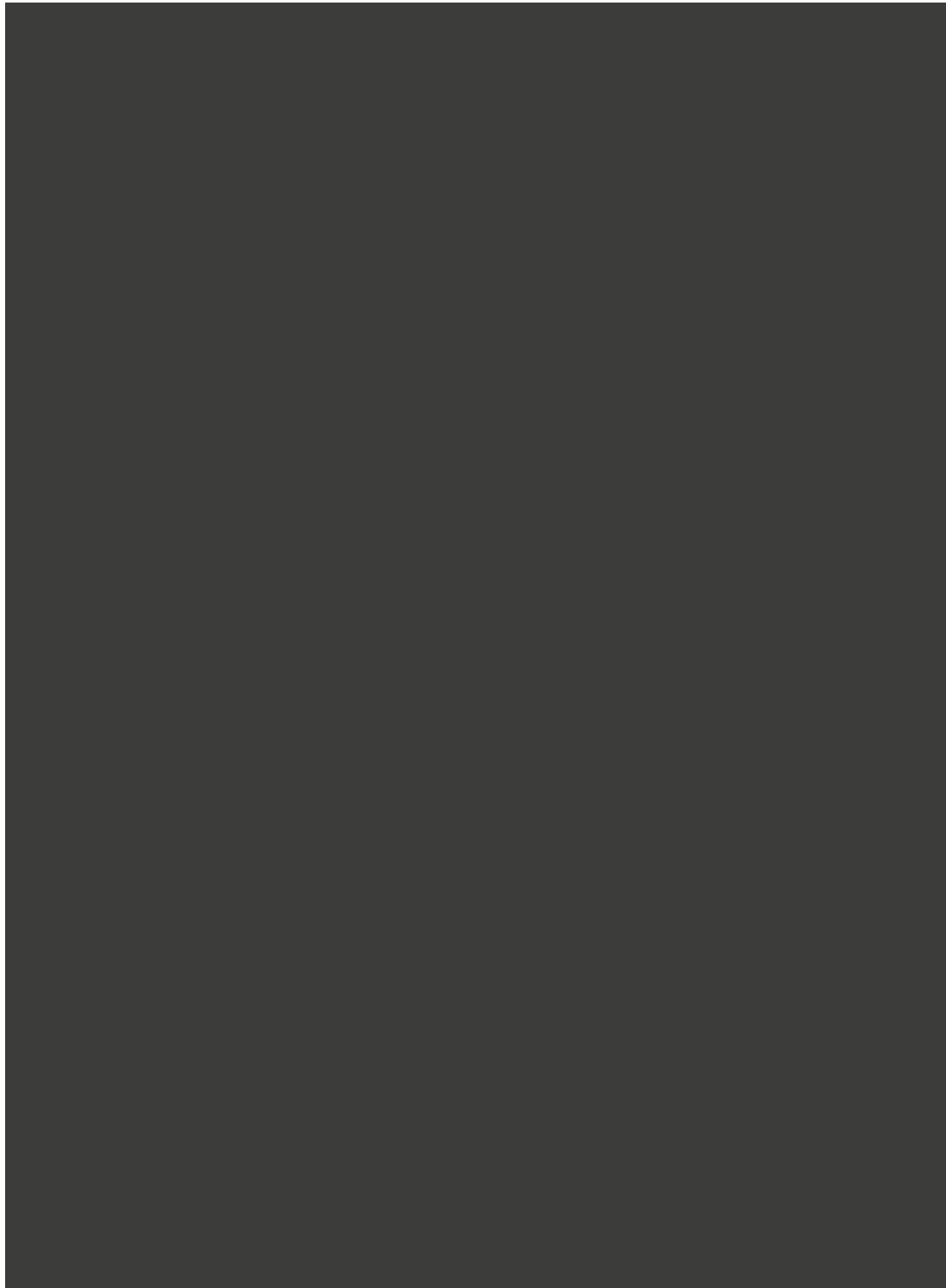
Stucchi Montage-Nippel | Stucchi Mounting nipple | Stucchi Raccord de montage

Für Mantelleitung. DALI-Mantelleitung, inkl. Zugentlastung aus Aluminium |
For Mantelleitung. DALI-Mantelle cable, incl. Strain relief made of aluminum |
Pour conducteur sous gaine. Gaine DALI avec dispositif de décharge de traction de câble en aluminium.

424-S-9009-BC-G	G
424-S-9009-BC-B	B
424-S-9009-BC-W	W

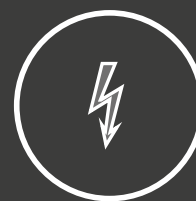
zenit L & M			meteor		
1	3	G	1	3	G
non-dim	DALI Eutrac	DALI Global Trac Pulse Control	non-dim	DALI Eutrac	DALI Global Trac Pulse Control
					
STUCCHI	EUTRAC	STUCCHI	Powergear	EUTRAC	STUCCHI
Sichtbarer Adapter-Steg Visibility of Adapter Rainure visible sur l'adaptateur					
niedrig low faible	niedrig low faible	niedrig low faible	hoch high élevé	niedrig low faible	niedrig low faible
Einsetzbar in folgenden Schienen. Es handelt sich hier nur um eine Empfehlung, es wird weder von planlicht, noch vom Hersteller Garantie übernommen. Can be used on the following tracks. This is only for information, planlicht nor the manufacturer will warranty any claim wehn not used in an approved track. Compatibles avec les rails suivants. Les informations ci-après sont uniquement données à titre indicatif. planlicht et le fabricant déclinent toute garantie.					
Ivela, Eutrac, Stucchi, Nordic, Global, Nokia, Reggiani, I Guzzini	EUTRAC DALI	Stucchi DALI, DALI Global Trac Pulse Control, Staff, Nordic	Ivela, Eutrac	Eutrac DALI	Stucchi DALI, DALI Global Trac Pulse Control, Staff, Nordic





CONTROLS

STEUERUNGEN | SYSTÉMES DE GESTION | SISTEMI DI GESTIONE



RADIO CONTROLS

p. 424

BLUETOOTH® CONTROLS

p. 425

DALI CONTROLS

p. 428

KNX CONTROLS

p. 433

HCL CONTROLS

p. 434

CONTROL GEARS

p. 438



RADIOCONTROLS



24V/DC

RGBW

RGB

HCL

DIM

IP20

RADIO CONTROL 24V (1-4 channel)

45AA40PDLU0000B	1-4 channel radio control 2,4 GHz	4 x max. 2,5 A (240W total)
-----------------	-----------------------------------	-----------------------------

HCL

DIM



45AA40RCRGBW00N

RGBW

RGB



45AA40RCDIMCT0N

REMOTE CONTROL

45AA40RCDIMCT0N	B	1/2 channel remote control, 2,4 GHz (DIM, tunable white)
45AA40RCRGBW00N	B	3/4 channel remote control, 2,4 GHz (RGB, RGBW)

DIMENSION

LxWxH=150x40x20 mm

Batteries type AAA included

DIM



45AA40WALLDIM2B

HCL



45AA40WALLCT20B

RGB



45AA40WALLRGB2B



230V/AC

TOUCH PANELS FOR RADIO CONTROL

45AA40WALLDIM2B	W	1 channel DIM radio touch panel, 2,4 GHz
45AA40WALLCT20B	W	2 channel TW radio touch panel, 2,4 GHz
45AA40WALLRGB2B	W	3 channel RGB radio touch panel, 2,4 GHz
45AA40WALLRGBWB	W	4 channel RGBW radio touch panel, 2,4 GHz

DIMENSION

LxWxH=86x86x32 mm

W

white | weiß | blanc | bianco

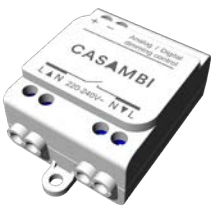
B

black | schwarz | noir | nero

BLUETOOTH®

CBU-ASD

BLUETOOTH 4.0 230V/AC 0-10V IP20



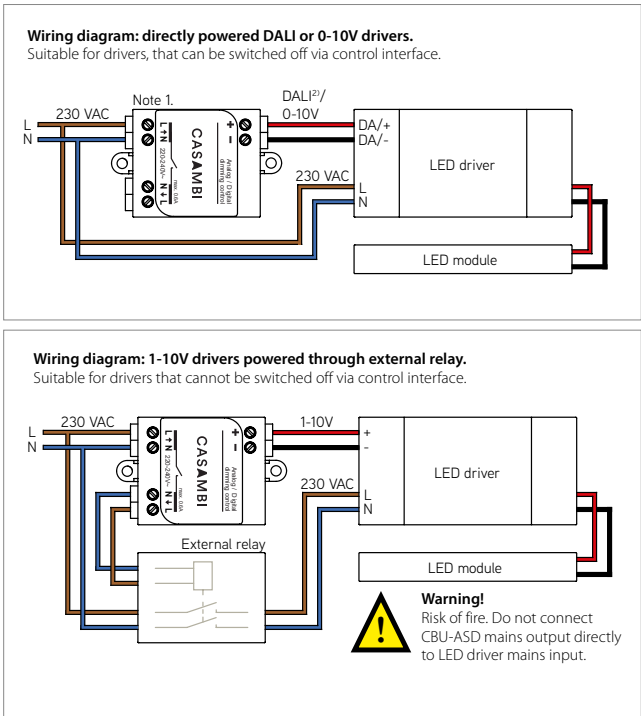
420-CBU-ASD



Bluetooth 4.0 control unit for max. 3 LED converters (max. 7 mA/DC)

- 0-10V, 1-10V analog / DALI digital
- 220-240V AC

DIMENSION
LxWxH=56,5x35,8x22,3 mm



CBU-PWM4

BLUETOOTH 4.0 12-24V/DC IP20

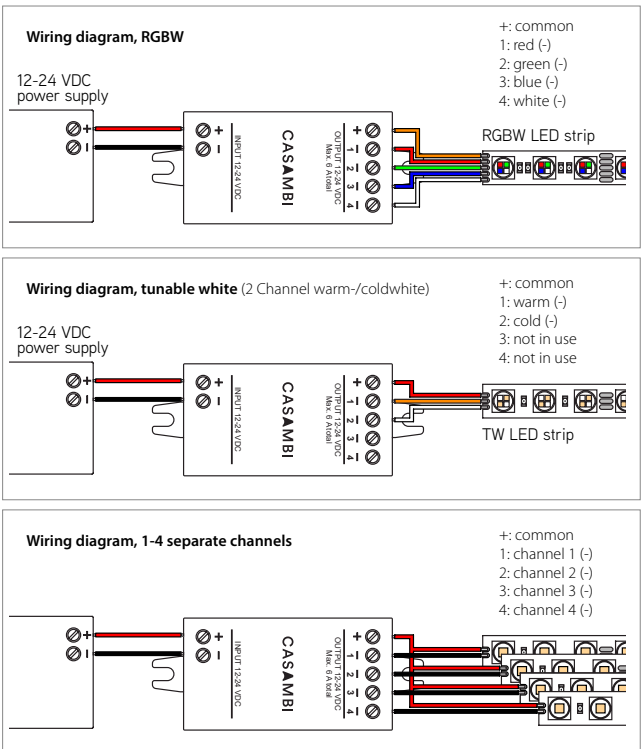


420-CBU-PMW4



Bluetooth 4.0 PWM controllable dimmer.
1-4 channels, 12-24V DC, max. 6 A total.

DIMENSION
LxWxH=76,2x30x18 mm



CHROMOFLEX-CASAMBI

BLUETOOTH 4.0 12/24/48V/DC IP20



45BA66000465

RADIO CONTROL 4 CHANNEL

per channel	max. 4 A (24V DC)	max. 2 A (48V DC)
total	max. 16 A (24V DC)	max. 8 A (48V DC)

XPRESS

420-XPRESS-W

white | weiß | blanc | bianco

420-XPRESS-B

black | schwarz | noir | nero

Wandschalter wireless. Batterie (CR2430 Lithium-Knopfzelle) inkludiert. Wandtaster wird magnetisch an einer Montageplatte befestigt, kann abgenommen und als Fernbedienung benutzt werden.

Wireless wall switch. Incl. battery (CR 2430 Lithium-ion) Xpress comes with a wall mounting plate. The switch can be attached to the plate as it is equipped with magnets and can be used as a mote control.



DIMENSION

LxWxH=90x90x12 mm

EnOcean Casambi switch

Kabelloser, batterieloser Wandschalter. Konfiguration individuelle durch App. Rahmen liegt an der Wand an, einfache Montage mit inkludiertem doppelseitigem Klebeband.

Wireless, batteryless switch. Configuration individual by app. Frame is attached the wall, easy installation including double-sided tape.



DIMENSION

LxWxH=50x50x14 mm

428-E8221-A270



428-E8221-A280



CBU-TED

420-CBU-TED



85-240V/AC

Bluetooth gesteuerter Dimmer für Phasen- und -abschnittsdimmung. Bis zu 150W Gesamtlast. Ideal geeignet zur Signalverstärkung.

Bluetooth controllable control gear for phase cut. Up to 150 W total load. Ideally suited for signal amplification.



DIMENSION

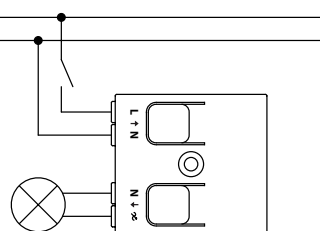
LxWxH=40,4x36,3x14 mm



Wiring diagram

L
N
85-240 VAC
50-60 Hz

solid and stranded:
strip length: 0,5 - 1,5 mm²
strip length: 6 - 8 mm



CBU-DCS

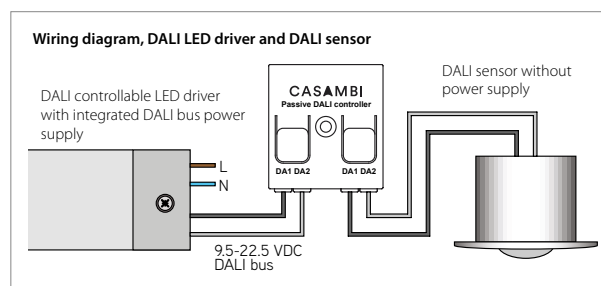
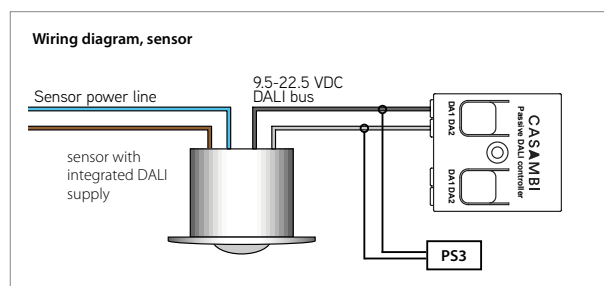
420-CBU-DCS

Passive DALI Steuereinheit ohne DALI Stromversorgung.

Passive DALI control unit without DALI power supply.

DIMENSION

L x W x H = 40,4 x 36,3 x 14 mm



DALI PS3



32 Drivers DALI PS3



3587500873

CASAMBI SENSORS

220-240V/AC



411-CBU-HBWD

100-230V/AC



411-CBU-MOD3M



Deckenaufbau PIR-Sensor
Montagehöhe bis 14 m

Surface PIR-Sensor
Mounting height up to 14 m

DIMENSION

ø x H = 90 x 63 mm

Einbau PIR-Sensor mit integrierter Power Supply

Surface PIR-Sensor with integrated power supply

DIMENSION

L x W = 25 x 50 mm (sensor)
L x W = 30 x 56 mm (frame)
L x W x H = 120 x 50 x 32 mm (power supply)



DALI MCU



540-189721

540-465916

TUNABLE WHITE
DALI DT8 only

DIMENSION
LxWxH=80x80x50 mm



230V/AC IP20

DALI Steuereinheit mit integrierter Spannungsversorgung. Drehpotentiometer integriert, bis zu 4 DALI MCU in einem DALI Kreis möglich, Synchronisation erfolgt automatisch. Einfache Speicherung der Einschaltelligkeit (Doppelklick). Stand-Alone-Dimmer für Broadcast Anwendungen.

DALI control unit with integrated power supply. Integrated rotary potentiometer, up to 4 DALI MCUs in a DALI circuit possible, synchronization is automatic. Simple storage of the switch-on brightness (double click). Stand-alone dimmer for broadcast solutions.

DALI PCU



540-955622

DIMENSION
LxWxH=48x49x22 mm



230V/AC IP20

DALI Steuereinheit mit integrierter Spannungsversorgung. Kann mit jedem handelsüblichen Taster (Schließer) betrieben werden, bis zu 4 DALI MCU in einem DALI Kreis möglich, Synchronisation erfolgt automatisch. Einfache Speicherung der Einschaltelligkeit (Doppelklick).

DALI control unit with integrated power supply. Can be operated with any commercially available button (NO contact), up to 4 DALI MCU in a DALI circuit possible, synchronization is automatic. Simple storage of the switch-on brightness (double-click).

DALI XC

3528001716



DALI PS3

EXTERNAL POWER SUPPLY:
DALI PS3 REQUIRED

32 Drivers DALI PS3

3587500873



DALI TOUCHPANEL BASIC



DALI TOUCHPANEL BASIC C

3528001987

10 mA



DALI TOUCHPANEL BASIC G

3528001988

10 mA



PROGRAMMING
REQUIRED

DIMENSION
LxWxH=86x86x29,1 mm



DALI TOUCHPANEL BASIC S

3528001989

10 mA



DALI TOUCHPANEL BASIC TW

3528001990

10 mA

DALI DT8 only

DALI PS3

EXTERNAL POWER SUPPLY:
DALI PS3 REQUIRED

32 Drivers DALI PS3



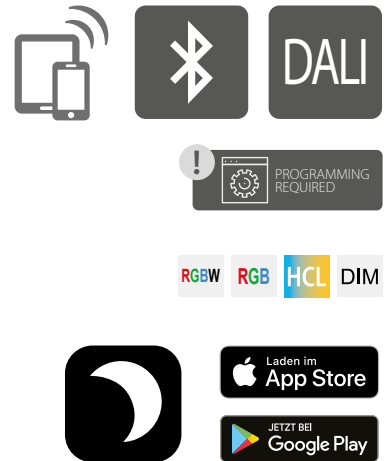
3587500873

DALI TOUCHPANEL LUNATONE



DIMENSION

LxWxH=82,5x111x8,5mm

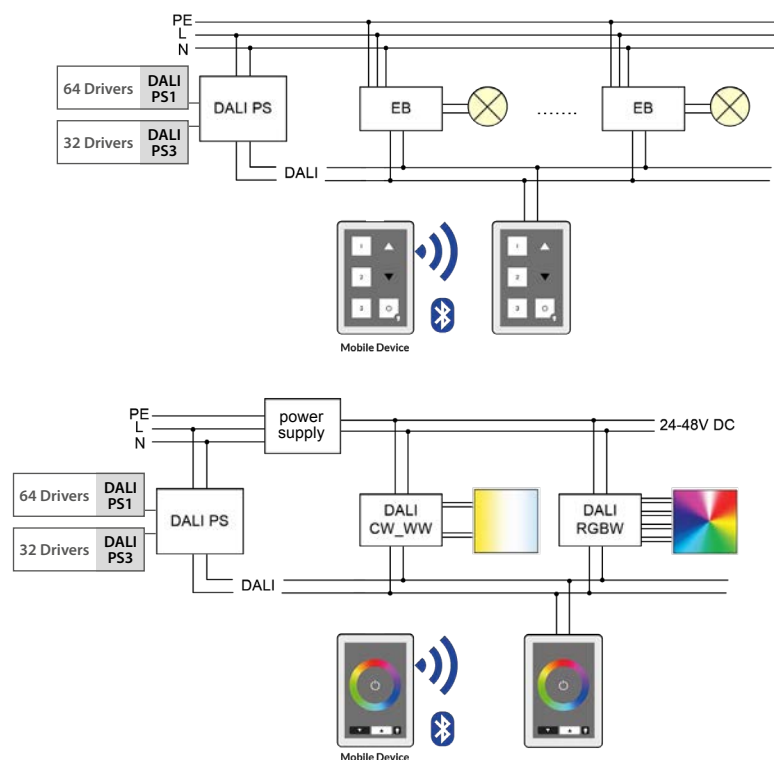
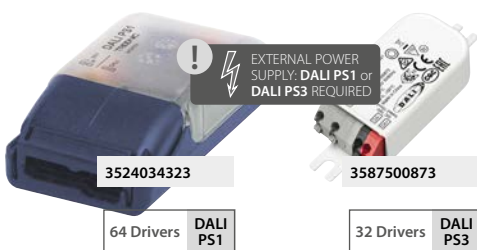


Display Layouts



DALI PS1

DALI PS3



DALI XC



3528001716

EXTERNAL POWER SUPPLY: DALI PS3 REQUIRED

DIMENSION
LxWxH=47,7x28,2x14,6 mm

DALI PS1

DALI power supply 200 mA



3524034323

64 Drivers DALI PS1

DIMENSION
LxWxH=101,5x51x29,5 mm

DALI PS3

DALI power supply 70 mA



3587500873

32 Drivers DALI PS3

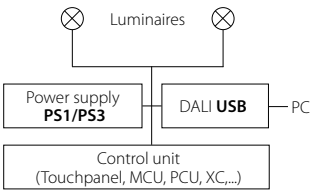
DIMENSION
LxWxH=80,7x30x15,3 mm

DALI USB



3524138923

DALI



DIMENSION
LxWxH=101,5x51x29,5 mm

basicDIM DGC



3528000920

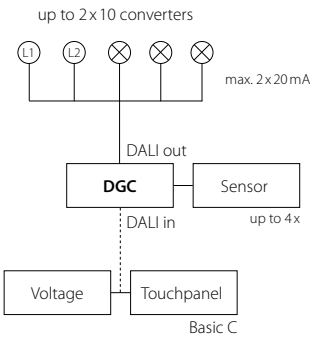
integrated DALI supply 2x20 mA

DIMENSION
LxWxH=159x30x21 mm

Steuerung für Einzel- und Mehrfachanwendung über Tasteneingang, Fernbedienung oder DALI Leitung. Option: Schwarmfunktion.
Control for single and multiple application via buttons input, remote control or DALI line. Option: Swarm function.

DALI

220-240V/AC IP20



3528000647

for controlling only



3528000646

for installing only



3528000933
housing seperately



3528000934

sceneCOM

110-240V/AC IP20



sceneCOM L

3528002680

sceneCOM XL

3528002681

192 DRIVERS

120 SENSORS



3528000934

sceneCOM XL EM BAC

3528002683

sceneCOM XL EM

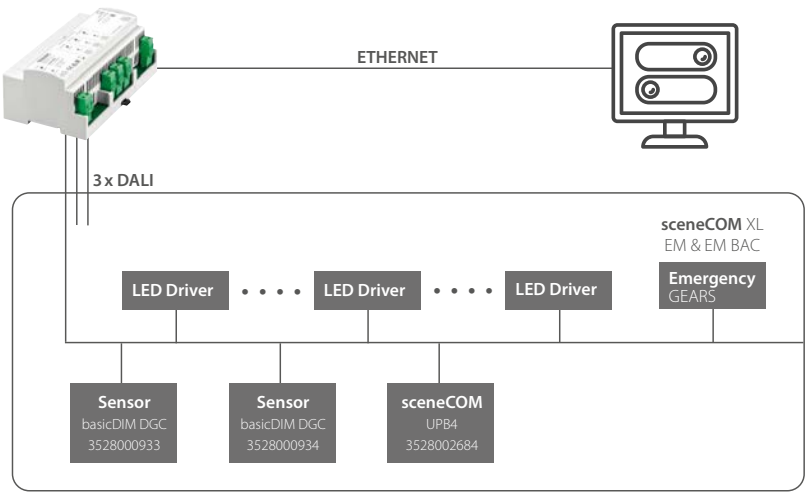
3528002682

DIMENSION
LxWxH=160x91x62 mm

DALI UPB4



3528002684



64 DRIVERS

16 GROUPS (DALI-2)

sceneCOM S

3528002205

DIMENSION
LxWxH=47,7x28,2x14,6 mm

16 SCENES (DALI-2)

DALI PS1

DALI PS3



3524034323

64 Drivers

DALI PS1

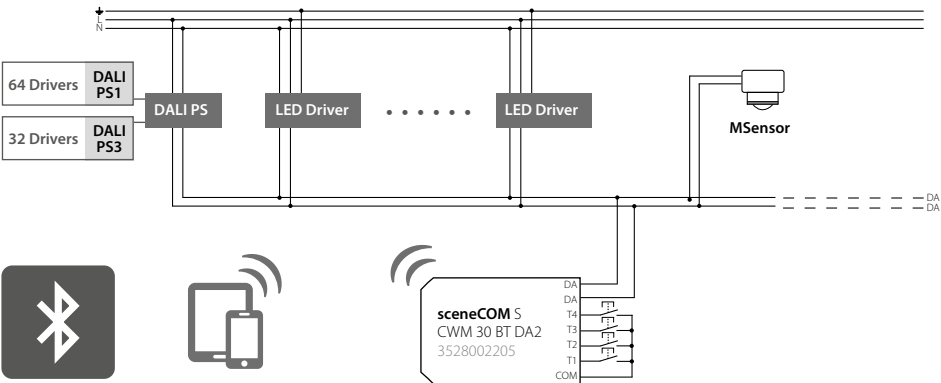


3587500873

32 Drivers

DALI PS3

EXTERNAL POWER SUPPLY: DALI PS1 or DALI PS3 REQUIRED



CHROMOFLEX Pro DALI stripe CV



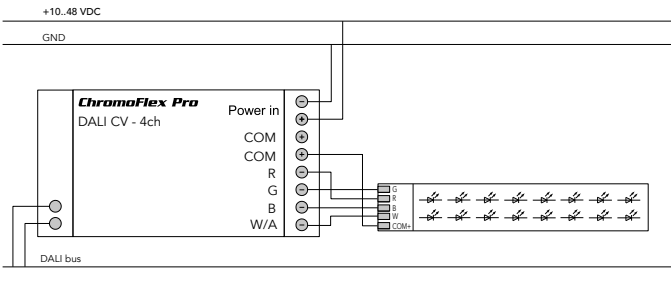
4-Channel (monochrome to RGBW/RGBA), DALI controlled

45BA66000444	max. 2,2 A/Channel (24V DC)	max. 212W (24V DC)
	max. 2,2 A/Channel (24V DC)	max. 424W (48V DC)

4-Channel (monochrome to RGBW/RGBA), DALI DT8 controlled

45BA66000574	max. 2,2 A/Channel (24V DC)	max. 212W (24V DC)
	max. 2,2 A/Channel (24V DC)	max. 424W (48V DC)

DIMENSION
LxWxH= 182 x 82 x 22 mm



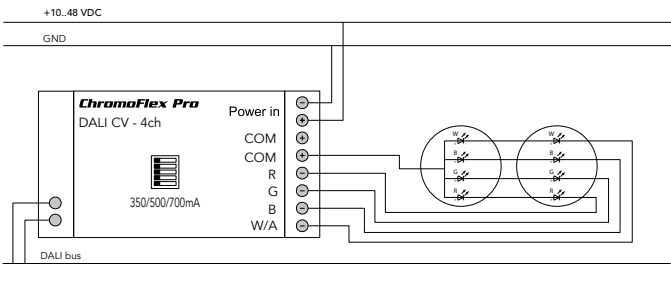
CHROMOFLEX Pro DALI i350-i700 CC



4-Channel (monochrome to RGBW/RGBA), DALI controlled

45BA66000434	10-48V DC	max. 350 mA / 500 mA/Channel	max. 96W (48V DC)
	10-24V DC	max. 700 mA/Kanal	max. 67W (24V DC)

DIMENSION
LxWxH= 182 x 82 x 22 mm



HINWEIS: Bei Verwendung von Konstantstrom-Steuerungen (CC) werden Konstantspannungs-Netzteile (CV) benötigt.

NOTE: Constant Voltage (CV) power supplies are required when using constant current (CC) controllers.

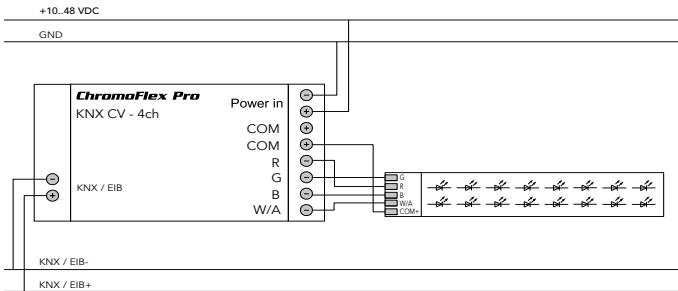
CHROMOFLEX Pro KNX stripe CV



4-Channel to RGBW/RGBA, KNX controlled

45BA66000374	max. 2,2 A/Channel (24V DC)	max. 212 W (24V DC)
	max. 2,2 A/Channel (24V DC)	max. 424 W (48V DC)

DIMENSION
LxWxH= 182x82x22 mm



CHROMOFLEX Pro KNX i350 - i1050 CC



HINWEIS: Bei Verwendung von Konstantstrom-Steuerungen (CC) werden Konstantspannungs-Netzteile (CV) benötigt.

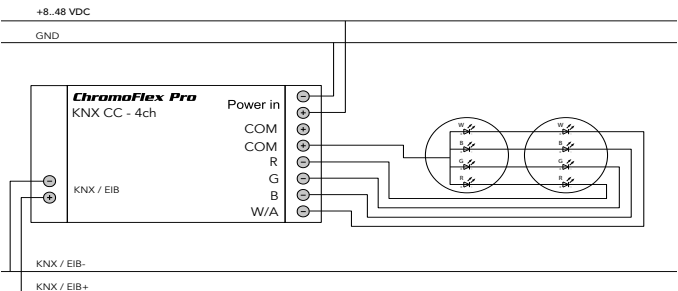
NOTE: Constant Voltage (CV) power supplies are required when using constant current (CC) controllers.

4-Channels to RGBW/RGBA, KNX controlled

45BA66000378	10-48V DC	max./channels: 350 mA / 500 mA / 700 mA / 1050 mA *	max. 135 W (48V DC)
			max. 67 W (24V DC)

DIMENSION
LxWxH= 182x82x22 mm

* 1050 mA nur bei 1- und 2-Kanal Lösungen
* 1050 mA only for 1- and 2-channel solutions



HCL CONTROLS

INTERFACE



410-80200025

max. 32 mA / channel

HCL

DALI
DT6/DT8

Controller for luminaires in a white-white configuration. Manual control of the lighting system through the touch panel or any standard push button (functions individually adjustable) combined with a clock module or touch panel. Controller allows connecting or controlling luminaires with up to 16 ECGs (DALI supply current of 32 mA/channel max.). The power supply for each luminaire can be found on the data-sheet of the luminaires. The system can be expanded with the EXTENDER (Art. No. 410-80200024). An integrated relay connects the power supply to the luminaires in the network (up to 1000VA max.), to reduce the power loss in stand-by modus.

DIMENSION

LxWxH = 130x30x21 mm

TOUCH-PANEL



410-80200030

HCL

DALI



Touch panel with integrated Clock module. Contents: 4-pin GIRA frame, connector plug, mounting frame for flush-mount socket, RJ10 cable and connection adapter. Wall mounting with included ring to mount on standard flush-mount sockets. Power supply through controller.

DIMENSION

LxWxH = 151x80x10 mm

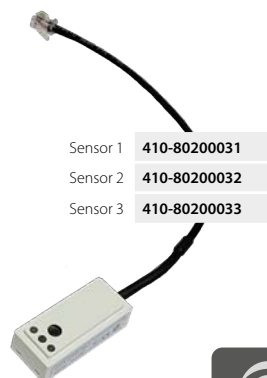
SENSORS

Surface PIR-Sensor with integrated power supply



DIMENSION

LxWxH = 46,5 x 20,5 x 16 mm



Sensor 1 410-80200031
Sensor 2 410-80200032
Sensor 3 410-80200033



CLOCK-MODULE

The module Clock allows controlling the brightness and colour temperature of lighting systems, when combined with the Controller INTERFACE. The standard set of parameters of the module can be viewed on the Smartphone App and be adjusted to match your individual needs. Power supply through controller.

410-80200026



DIMENSION

LxWxH = 50x25x10 mm



EXTENDER

410-80200024

max. 32 mA / channel

The DALI Extender allows you to extend the HCL system with another independent DALI line using 32 mA/channel DALI supply current. Several repeaters can be used in one system.

DIMENSION

LxWxH = 130x30x21 mm





Optional:
APP (iOS/Android)
Push button
Sensors (max. 3 pcs)



Optional:
APP (iOS/Android)
Push button
Sensors (max. 3 pcs)



EnOcean Casambi switch



428-E8221-A270



428-E8221-A280





Villa Pauly / Luxembourg



CONTROLGEARS

	01	CC7W	427-CC7W350A5	220-240V AC	1-6,5W	350 mA/DC	49x27x20 mm
	02	CC7W	427-CC7W500A5	220-240V AC	1,5-6W	500 mA/DC	49x27x20 mm
	03	CC7W	427-CC7W700A5	220-240V AC	2-6,5W	700 mA/DC	49x27x20 mm
	04	MP15	448-122360	110-250V AC	max. 2,5W	60 mA	115x34x19 mm
					max. 5W	120 mA	
					max. 7,4W	180 mA	
					max. 10W	240 mA	
					max. 12,4W	300 mA	
	05	PLZ350	45AA40PLZ35000B	110-250V AC	1-15W	350 mA	118x33x19 mm
	06	PLZ500	45AA40PLZ50000B	110-250V AC	1,5-12W	500 mA	118x33x19 mm
	07	LCA 15W flexC PH-C SR ADV	3587500627	198-264V AC	5,1-7,6W	180 mA	101,5x51x29,5 mm
PHASE CUT					7-10,5W	250 mA	
					9,8-15W	350 mA	
1-10V	08	LCBI 10W ADV SR	3587500274	198-264V AC	5-10W	350 mA	101,5x51x29,5 mm
	09	LCBI 10W ADV SR	3587500275	198-264V AC	5-10W	500 mA	101,5x51x29,5 mm
	10	LC 20W flexC SR ADV	3528002496	198-264V AC	8,75-17,5W	350 mA	101,5x51x29,5 mm
					10-20W	500 mA	
					10-20W	700 mA	
PHASE CUT	11	LCBI DIM	3587500386	198-264V AC	7,5-15W	350 mA	102x51x30 mm
	12	LCBI DIM	3587500320	198-264V AC	6,8-15W	500 mA	102x51x30 mm
	13	LCBI DIM	3589800307	198-264V AC	11,2-25W	700 mA	145x51x30 mm
1-10V	14	Mini Jolly 20 - 1-10V & Push	448-123400	198-264V AC	max. 15W	350 mA	110,4x52x22 mm
				198-264V AC	max. 20W	500 mA	
				198-264V AC	max. 20W	700 mA	
				198-264V AC	max. 20W	900 mA	
				198-264V AC	max. 10W	12V DC	
				198-264V AC	max. 20W	24V DC	
	15	LCA 35W flexC SR ADV	3528002495	198-264V AC	17,5-35W	350 mA	160x82x34 mm
					17,6-35W	500 mA	
	16	LCA 35W flexC SR ADV	3528002494	198-264V AC	17,5-35W	700 mA	160x82x34 mm
					17,6-35W	800 mA	
					17,5-35W	1050 mA	
	17	LCA 60W flexC SR ADV	3528002498	198-264V AC	30-56W	1050 mA	160x82x34 mm
					30-60W	1200 mA	
					30-60W	1400 mA	
PHASE CUT	18	LCA 44W flexC PH-C SR ADV	3587500605	198-264V AC	20-30W	700 mA	130x68x31 mm
					20-30W	1050 mA	
	19	LC 35W fixC SR ADV	3587500866	198-264V AC	18,4-34,4W	800 mA	127x43x30 mm
DALI	20	Flexible DALI Driver Premium	427-CC35W-800CG-DA	220-240V AC	max. 30,42W	800 mA	137,6x44x30 mm
IP68	28	DC T-TU IP68	448-122713	198-264V AC	max. 10W	350 mA	ø 105x74 mm
	29	DC T-TU IP68	448-122717	198-264V AC	max. 17W	700 mA	ø 105x74 mm
1-10V	21	Maxi Jolly US DALI 50	448-127413	99-264V AC	max. 25W	350 mA	125x79x22 mm
				99-264V AC	max. 35W	500 mA	
				99-264V AC	max. 50W	700 mA	
				99-264V AC	max. 50W	900 mA	
				99-264V AC	max. 50W	1050 mA	
				99-264V AC	max. 50W	48V DC	
DALI	22	Mini Jolly DALI 20	448-123403	99-264V AC	max. 10W	250 mA	110,4x52x22 mm
				99-264V AC	max. 15W	350 mA	
				99-264V AC	max. 20W	500 mA	
				99-264V AC	max. 20W	700 mA	
				99-264V AC	max. 16W	24V DC	

SWITCH DIM	DALI	23	LCA one4all SC PRE	3528000674	198-264V AC	5,5-17W	350 mA	130x43 x 30 mm
		24	LCA one4all SC PRE	3528000675	198-264V AC	7,5-17W	500 mA	130x43 x 30 mm
						7-17W	350 mA	
						10-25 W	500 mA	
25	LCA 25W one4all SR PRE	3528000671	198-264V AC	7-17,5W	350 mA	200x70 x 31 mm		
				10-25 W	500 mA			
				14-25 W	700 mA			
				20-25 W	1050 mA			
SWITCH DIM	DALI	26	LCA 45W one4all SR PRE	3528000672	198-264V AC	17,5-35W	700 mA	210x70 x 31 mm
						26,5-42,9W	1050 mA	
						35-44,9W	1400 mA	
SWITCH DIM	DALI	27	LCA 60W one4all SR PRE	3528000677	198-264V AC	18-48,6W	900 mA	220x85 x 31 mm
						21-56,7W	1050 mA	
						28-60W	1400 mA	
						35-60W	1750 mA	
24V	IP67	50	PMR24 24V	45A-LKV024-008RU	24V DC	max. 8,4W	ø 53 x 19 mm	
		51	Slim 24V	45AA40SL243500B	24V DC	max. 8,4W	114 x 22 x 19 mm	
		52	Optotronic LED OT 20	54ooT20	24V DC	max. 20W	190 x 50 x 35 mm	
		53	SHT-MTL	439-VLM060E-24-T	24V DC	max. 60W	130 x 20 x 20 mm	
		54	SHT-MTL	439-VLM100E-24-T	24V DC	max. 100W	137 x 26 x 20 mm	
		55	LPH-18 24V	440-LPH-18-24	24V DC	max. 18W	140 x 30 x 22 mm	
		56	LPV-35 24V	440-LPV-35-24	24V DC	max. 35W	148 x 40 x 30 mm	
		57	LPV-60 24V	440-LPV-60-24	24V DC	max. 60W	163 x 43 x 32 mm	
		58	LPV-100 24V	440-LPV-100-24	24V DC	max. 100W	190 x 52 x 37 mm	
		59	LC 24V SC SNC	3587500852	24V DC	max. 35W	142 x 43 x 30 mm	
		60	LC 24V SC SNC	3587500665	24V DC	max. 60W	225 x 43 x 30 mm	
		61	LC 24V SC SNC	3587500666	24V DC	max. 100W	295 x 43 x 30 mm	
		62	LC 24V SC SNC	3587500855	24V DC	max. 200W	325 x 43 x 30 mm	
		60/100/200W mit 2 sekundären Ausgangsklemmen						
IP68	DALI	63	DC T-TU IP68 24V	448-122715	24V DC	max. 20W	ø 105 x 74 mm	
		64	ELG-75	440-ELG-75-24DA	24V DC	max. 75 W	180 x 63 x 35,5 mm	
		65	ELG-150	440-ELG-150-24DA	24V DC	max. 150W	219 x 63 x 35,5 mm	
IP67		66	ELG-240	440-ELG-240-24DA	24V DC	max. 240W	244 x 71 x 35,5 mm	
		67	OPTOTRONIC OT LED IP67 24V	54OOT060P	24V DC	max. 60W	205 x 43 x 26 mm	
		68	OPTOTRONIC OT LED IP67 24V	54OOT130P	24V DC	max. 130W	220 x 63 x 37 mm	
IP67		69	OPTOTRONIC OT LED IP67 24V	54OOT250P	24V DC	max. 250W	265 x 68 x 40 mm	
		70	OPTOTRONIC OT LED IP66 24V	54OOT060P-AN	24V DC	max. 60W	205 x 43 x 26 mm	
		71	OPTOTRONIC OT LED IP67 24V	54OOT130P-AN	24V DC	max. 130W	220 x 63 x 37 mm	
IP67	1-10V	72	OPTOTRONIC OT LED IP67 24V	54OOT250P-AN	24V DC	max. 250W	265 x 68 x 40 mm	
		73	DC 45W MD 24V	448-127913	24V DC	max. 45 W	180 x 60 x 35 mm	
		74	DC 80W MD 24V	448-127915	24V DC	max. 80W	200 x 70 x 46 mm	
24V	IP66	PHASE CUT	75	NDR-75 24V	440-NDR-75-24	24V DC	max. 75W	32 x 125 x 102 mm
			76	NDR-75 48V	440-NDR-75-48	48V DC	max. 75W	32 x 125 x 102 mm
24/48V			77	NDR-240 24V	440-NDR-240-24	24V DC	max. 240W	63 x 125 x 117,5 mm
			78	NDR-240 48V	440-NDR-240-48	48V DC	max. 240W	63 x 125 x 117,5 mm
24/48V			79	NDR-480 24V	440-NDR-480-24	24V DC	max. 480W	85,5 x 125 x 128,5 mm
			80	NDR-480 48V	440-NDR-480-48	48V DC	max. 480W	85,5 x 125 x 128,5 mm
24V	SWITCH DIM	DALI	81	LCA one4all SC PRE24V	3528001662	24V DC	max. 35W	195 x 43 x 32,2 mm
			82	LCA one4all SC PRE24V	3528001663	24V DC	max. 60W	225 x 43 x 32,2 mm
			83	LCA one4all SC PRE24V	3528001253	24V DC	max. 100W	295 x 43 x 29,8 mm
			84	LCA one4all SC PRE24V	3528001437	24V DC	max. 150W	325 x 43 x 29,8 mm



CC7W

01	CC7W	427-CC7W350A5	220-240V AC	1-6,5W	350 mA/DC	49 x 27 x 20 mm
02	CC7W	427-CC7W500A5	220-240V AC	1,5-6W	500 mA/DC	49 x 27 x 20 mm
03	CC7W	427-CC7W700A5	220-240V AC	2-6,5W	700 mA/DC	49 x 27 x 20 mm



MP15

04	MP15	448-122360	110-250V AC	max. 2,5W	60 mA/DC	115 x 34 x 19 mm
				max. 5W	120 mA/DC	
				max. 7,4W	180 mA/DC	
				max. 10W	240 mA/DC	
				max. 12,4W	300 mA/DC	
				max. 15W	360 mA/DC	



PLZ

05	PLZ350	45AA40PLZ35000B	110-250V AC	1-15W	350 mA/DC	118 x 33 x 19 mm
06	PLZ500	45AA40PLZ50000B	110-250V AC	1,5-12W	500 mA/DC	118 x 33 x 19 mm

PHASE
CUT



LCA 15W flexC

07	LCA 15W flexC PH-C SR ADV	3587500627	198-264V AC	5,1-7,6W	180 mA/DC	101,5 x 51 x 29,5 mm
				7-10,5W	250 mA/DC	
				9,8-15W	350 mA/DC	

PHASE
CUT

1-10V



LCBI 10W ADV SR

08	LCBI 10W ADV SR	3587500274	198-264V AC	5-10W	350 mA/DC	101,5 x 51 x 29,5 mm
09	LCBI 10W ADV SR	3587500275	198-264V AC	5-10W	500 mA/DC	101,5 x 51 x 29,5 mm



LC 20W flexC

10	LC 20W flexC SR ADV	3528002496	198-264V AC	8,75-17,5W	350 mA/DC	101,5 x 51 x 29,5 mm
				10-20W	500 mA/DC	
				10-20W	700 mA	

PHASE
CUT



LCBI DIM

11	LCBI DIM	3587500386	198-264V AC	7,5-15W	350 mA/DC	102 x 51 x 30 mm
12	LCBI DIM	3587500320	198-264V AC	6,8-15W	500 mA/DC	102 x 51 x 30 mm
13	LCBI DIM	3589800307	198-264V AC	11,2-25W	700 mA/DC	145 x 51 x 30 mm

PUSH
DIM

1-10V



Mini Jolly 20

14	Mini Jolly 20 - 1-10V & Push	448-123400	198-264V AC	max. 15W	350mA/DC	110,4x52x22 mm
			198-264V AC	max. 20W	500mA/DC	
			198-264V AC	max. 20W	700mA/DC	
			198-264V AC	max. 20W	900mA/DC	
			198-264V AC	max. 10W	12V DC	
			198-264V AC	max. 20W	24V DC	



LC 35W flexC

15	LCA 35W flexC SR ADV	3528002495	198-264V AC	17,5-35W	350mA/DC	160x82x34 mm
				17,6-35W	500mA/DC	
16	LCA 35W flexC SR ADV	3528002494	198-264V AC	17,5-35W	700mA/DC	160x82x34 mm
				17,6-35W	800mA/DC	
				17,5-35W	1050mA/DC	
17	LCA 60W flexC SR ADV	3528002498	198-264V AC	30-56W	1050mA/DC	160x82x34 mm
				30-60W	1200mA/DC	
				30-60W	1400mA/DC	

PLUG

3528001771 | ADV Plug Type A

PHASE
CUT



LCA 44W flexC

18	LCA 44W flexC PH-C SR ADV	3587500605	198-264V AC	20-30W	700mA/DC	130x68x31 mm
				20-30W	1050mA/DC	



LC 35W fixC

19	LC 35W fixC SR ADV	3587500866	198-264V AC	18,4-34,4W	800mA/DC	127x43x30 mm
----	--------------------	------------	-------------	------------	----------	--------------

DALI



Flexible DALI-Driver Premium

20	Flexible DALI Driver Premium	427-CC35W-800CG-DA	220-240V AC	max. 30,42W	800mA/DC	137,6x44x30 mm
----	------------------------------	--------------------	-------------	-------------	----------	----------------

IP68



DC T-TU IP68

28	DC T-TU IP68	448-122713	198-264V AC	max. 10W	350mA/DC	ø 105x74 mm
29	DC T-TU IP68	448-122717	198-264V AC	max. 17W	700mA/DC	ø 105x74 mm



DALI

PUSH
DIM

1-10V



Maxi **Jolly** US DALI 50

21	Maxi Jolly US DALI 50	448-127413	99-264V AC	max. 25W	350mA/DC	125x79x22 mm
			99-264V AC	max. 35W	500mA/DC	
			99-264V AC	max. 50W	700mA/DC	
			99-264V AC	max. 50W	900mA/DC	
			99-264V AC	max. 50W	1050mA/DC	
			99-264V AC	max. 50W	48V DC/DC	

Zubehör

448-485720512	Synchronisationskabel 1,5 m
448-485720513	Synchronisationskabel 4 m

DALI



Mini **Jolly** DALI 20

22	Mini Jolly DALI 20	448-123403	99-264V AC	max. 10W	250mA/DC	110,4x52x22 mm
			99-264V AC	max. 15W	350mA/DC	
			99-264V AC	max. 20W	500mA/DC	
			99-264V AC	max. 20W	700mA/DC	
			99-264V AC	max. 16W	24V DC	

DALI

SWITCH
DIM

LCA one4all SC PRE

23	LCA one4all SC PRE	3528000674	198-264V AC	5,5-17W	350mA	130x43x30 mm
				7,5-17W	500mA	
24	LCA one4all SC PRE	3528000675	198-264V AC	7-17W	350mA	130x43x30 mm
				10-25W	500mA	

PLUG



3528001106	Plug 250 mA
3528001110	Plug 350 mA
3528001114	Plug 500 mA
3528001118	Plug 700 mA

Zubehör

3528001699	Zugentlastungsset *
------------	---------------------

* 2 Stück pro Konverter benötigt (30x43x30 mm)

DALI

SWITCH
DIM

LCA one4all SR PRE

25	LCA 25W one4all SR PRE	3528000671	198-264V AC	7-17,5W	350mA	200x70x31 mm
				10-25W	500mA	
				14-25W	700mA	
				20-25W	1050mA	
26	LCA 45W one4all SR PRE	3528000672	198-264V AC	17,5-35W	700mA	210x70x31 mm
				26,5-42,9W	1050mA	
				35-44,9W	1400mA	
27	LCA 60W one4all SR PRE	3528000677	198-264V AC	18-48,6W	900mA	220x85x31 mm
				21-56,7W	1050mA	
				28-60W	1400mA	
				35-60W	1750mA	

PLUG

3528001106	Plug 250 mA
3528001110	Plug 350 mA
3528001114	Plug 500 mA
3528001118	Plug 700 mA
3528001122	Plug 900 mA
3528001125	Plug 1050 mA
3528001132	Plug 1400 mA
3528001099	Plug max.



24V



PMR24 24V

50	PMR24 24V	45A-LKV024-008RU	24V DC	max. 8,4W	ø 53 x 19 mm
----	-----------	------------------	--------	-----------	--------------

24V



Slim 24V

51	Slim 24V	45AA40SL243500B	24V DC	max. 8,4W	114 x 22 x 19 mm
----	----------	-----------------	--------	-----------	------------------

24V



Optotronic LED OT 20

52	Optotronic LED OT 20	54ooT20	24V DC	max. 20W	190 x 50 x 35 mm
----	----------------------	---------	--------	----------	------------------

24V



SHT-MTL

53	SHT-MTL	439-VLM060E-24-T	24V DC	max. 60W	130 x 20 x 20 mm
54	SHT-MTL	439-VLM100E-24-T	24V DC	max. 100W	137 x 26 x 20 mm

24V



IP 67

LPH/LPV 24V

55	LPH-18 24V	440-LPH-18-24	24V DC	max. 18W	140 x 30 x 22 mm
56	LPV-35 24V	440-LPV-35-24	24V DC	max. 35W	148 x 40 x 30 mm
57	LPV-60 24V	440-LPV-60-24	24V DC	max. 60W	163 x 43 x 32 mm
58	LPV-100 24V	440-LPV-100-24	24V DC	max. 100W	190 x 52 x 37 mm

24V



LCU IP20 24V

59	LC 24V SC SNC	3587500852	24V DC	max. 35W	142 x 43 x 30 mm
60	LC 24V SC SNC	3587500665	24V DC	max. 60W	225 x 43 x 30 mm
61	LC 24V SC SNC	3587500666	24V DC	max. 100W	295 x 43 x 30 mm
62	LC 24V SC SNC	3587500855	24V DC	max. 200W	325 x 43 x 30 mm



24V

IP 68



DC T-TU IP68 24V

63 DC T-TU IP68 24V

448-122715

24V DC

max. 20W

ø 105 x 74 mm

DALI

24V

IP 67

ELG IP67 24V

64 ELG-75

440-ELG-75-24DA

24V DC

max. 75W

180x63x35,5 mm

65 ELG-150

440-ELG-150-24DA

24V DC

max. 150W

219x63x35,5 mm

66 ELG-240

440-ELG-240-24DA

24V DC

max. 240W

244x71x35,5 mm



ELG-75



ELG-150



ELG-240

24V

IP 66

IP 67

1-10V



Optotronic OT LED IP66/67 24V

67 OPTOTRONIC OT LED IP66 24V

54OOT060P

24V DC

max. 60W



205 x 43 x 26 mm

68 OPTOTRONIC OT LED IP67 24V

54OOT130P

24V DC

max. 130W



220 x 63 x 37 mm

69 OPTOTRONIC OT LED IP67 24V

54OOT250P

24V DC

max. 250W



265 x 68 x 40 mm

70 OPTOTRONIC OT LED IP66 24V

54OOT060P-AN

24V DC

max. 60W



205 x 43 x 26 mm

71 OPTOTRONIC OT LED IP67 24V

54OOT130P-AN

24V DC

max. 130W



220 x 63 x 37 mm

72 OPTOTRONIC OT LED IP67 24V

54OOT250P-AN

24V DC

max. 250W



265 x 68 x 40 mm

PHASE
CUT

24V



DC 45W MD 24V

73 DC 45W MD 24V

448-127913

24V DC

max. 45W

180 x 60 x 35 mm

PHASE
CUT

24V

IP 66



DC 80W MD 24V

74 DC 80W MD 24V

448-127915

24V DC

max. 80W

200 x 70 x 46 mm

24/48V



NDR-75 24V/48V

75	NDR-75 24V	440-NDR-75-24	24V DC	max. 75W	32 x 125 x 102 mm
76	NDR-75 48V	440-NDR-75-48	48V DC	max. 75W	32 x 125 x 102 mm

24/48V



NDR-240 24V/48V

77	NDR-240 24V	440-NDR-240-24	24V DC	max. 240W	63 x 125 x 117,5 mm
78	NDR-240 48V	440-NDR-240-48	48V DC	max. 240W	63 x 125 x 117,5 mm

24/48V



NDR-480 24V/48V

79	NDR-480 24V	440-NDR-480-24	24V DC	max. 480W	85,5 x 125 x 128,5 mm
80	NDR-480 48V	440-NDR-480-48	48V DC	max. 480W	85,5 x 125 x 128,5 mm

24V

DALI

SWITCH
DIM



LCA one4all SC PRE24V

81	LCA one4all SC PRE24V	3528001662	24V DC	max. 35W	195 x 43 x 32,2 mm
82	LCA one4all SC PRE24V	3528001663	24V DC	max. 60W	225 x 43 x 32,2 mm
83	LCA one4all SC PRE24V	3528001253	24V DC	max. 100W	295 x 43 x 29,8 mm
84	LCA one4all SC PRE24V	3528001437	24V DC	max. 150W	325 x 43 x 29,8 mm



EPILOGUE

SENSORS

p. 446

EMERGENCY LIGHTING

p. 447

CABLE COLOURS

p. 448

RAL OF YOUR CHOICE

p. 449

TECHNICAL INFORMATION

p. 450

TERMS & CONDITIONS

p. 452

WARRANTY 66

p. 460

IMPORTANT REMARKS

p. 464

Sensors

Blindabdeckung
Blank cover
Cache opaque
Copertura di risporo

p.forty	direct		direct/indirect	
	HO/LO	DW	HO/LO	DW
Length luminaire				
574 mm	+160 mm	on request	+160 mm	on request
854 mm	+55 mm	on request	+55 mm	n.a.
1134 mm	+55 mm	on request	+55 mm	on request
1414 mm	+55 mm	on request	+55 mm	on request
1694 mm	+55 mm	on request	+55 mm	on request
2254 mm	+55 mm	on request	+55 mm	on request
2818 mm	+55 mm	on request	+55 mm	on request
3378 mm	+55 mm	on request	+55 mm	on request
4498 mm	+55 mm	on request	+55 mm	on request

pure 3	direct		direct/indirect	
	HO/LO	DW	HO/LO	DW
Length luminaire				
574 mm	+160 mm	on request	+160 mm	on request
854 mm	+25 mm	on request	+25 mm	n.a.
1134 mm	+25 mm	on request	+25 mm	on request
1414 mm	+25 mm	on request	+25 mm	on request
1694 mm	+25 mm	on request	+25 mm	on request
2254 mm	+25 mm	on request	+25 mm	on request
2818 mm	+25 mm	on request	+25 mm	on request
3378 mm	+25 mm	on request	+25 mm	on request
4498 mm	+25 mm	on request	+25 mm	on request

HO	High Output
LO	Low Output
DW	Dynamic white

	+25 mm
	+55 mm
	+160 mm
	on request
n.a.	not available



Emergency Lighting

Notlichttauglich | Éclairage de secours | Luce d'emergenza

Notlichttauglich

Unten stehende Leuchten sind auf Anfrage notlichttauglich, 3 Stunden, erhältlich:

Emergency lighting

The following luminaires are available on request with an emergency power supply for 3 hours:

Éclairage de secours

Les luminaires ci-dessous sont disponibles sur demande avec un module d'alimentation électrique de secours pour 3 h :

Luce d'emergenza

Idoneo per luce d'emergenza. Le lampade sotto sono disponibili su richiesta con luce d'emergenza, 3 ore:

p.forty	direct			direct/indirect		
	HO	LO	DW	HO	LO	DW
Length light source						
563 mm						
633 mm						
703 mm						
773 mm						
843 mm						
913 mm						
983 mm						
1053 mm						
1123 mm						
1403 mm						
1683 mm						
2243 mm						

pure 3	direct			direct/indirect		
	HO	LO	DW	HO	LO	DW
Length light source						
563 mm						
633 mm						
703 mm						
773 mm						
843 mm						
913 mm						
983 mm						
1053 mm						
1123 mm						
1403 mm						
1683 mm						
2243 mm						

sinus segments	direct			direct/indirect		
	HO	LO	DW	HO	LO	DW
Light source						
552 / 45°						
552 / 90°						
730 / 45°						
730 / 90°						
1440 / 45°						
1440 / 90°						
2860 / 45°						

sinus rings	direct			direct/indirect		
	HO	LO	DW	HO	LO	DW
Dimension						
1174/1190 mm						
1530/1546 mm						
2950/2966 mm						
5790/5806 mm						

cosmo

LO	HO	VHO

meteor EB/meteor flip mizar/mizar M taurus M/metis M

LO	MO	HO	VHO

taurus/metis

LO	MO	HO

quadro pendant	direct			direct/indirect		
	HO	LO	DW	HO	LO	DW
Length luminaire						
1124 mm + 300 mm						
1404 mm + 300 mm						
1684 mm + 300 mm						
2244 mm + 300 mm						
2804 mm + 300 mm						
3364 mm + 300 mm						

with sensor on request

quadro surface	direct		
	HO	LO	DW
Length luminaire			
1124 mm			
1404 mm			
1684 mm			
2244 mm			
2804 mm			
3364 mm			

with sensor on request

quadro recessed	direct		
	HO	LO	DW
Length luminaire			
576 mm			
1136 mm			
1416 mm			
1696 mm			
2256 mm			

with sensor on request

lili/lilibet/liha pendant/surface	direct			direct/indirect		
	HO	LO	HCL	HO	LO	DW
Dimension						
ø 330 mm / □ 310 mm						
ø 420 mm / □ 450 mm						
ø 620 mm / □ 600 mm						
ø 920 mm / □ 900 mm						
ø 1220 mm / □ 1200 mm						

Dynamic white on request

lili/liha recessed			
	HO	LO	DW
Dimension			
all dimensions			

	Emergency lighting available Notlichttaugliche Variante erhältlich Éclairage de secours disponible Disponibile come luce d'emergenza
	Emergency lighting not available Notlichttaugliche Variante nicht erhältlich Éclairage de secours non disponible Non disponibile come luce d'emergenza
	Luminaire not available in this size Leuchte in dieser Größe nicht erhältlich Luminaire dans cette dimension non disponible Apparecchio non disponibile in questa dimensione

VHO	Very High Output
HO	High Output
MO	Medium Output
LO	Low Output
DW	Dynamic white

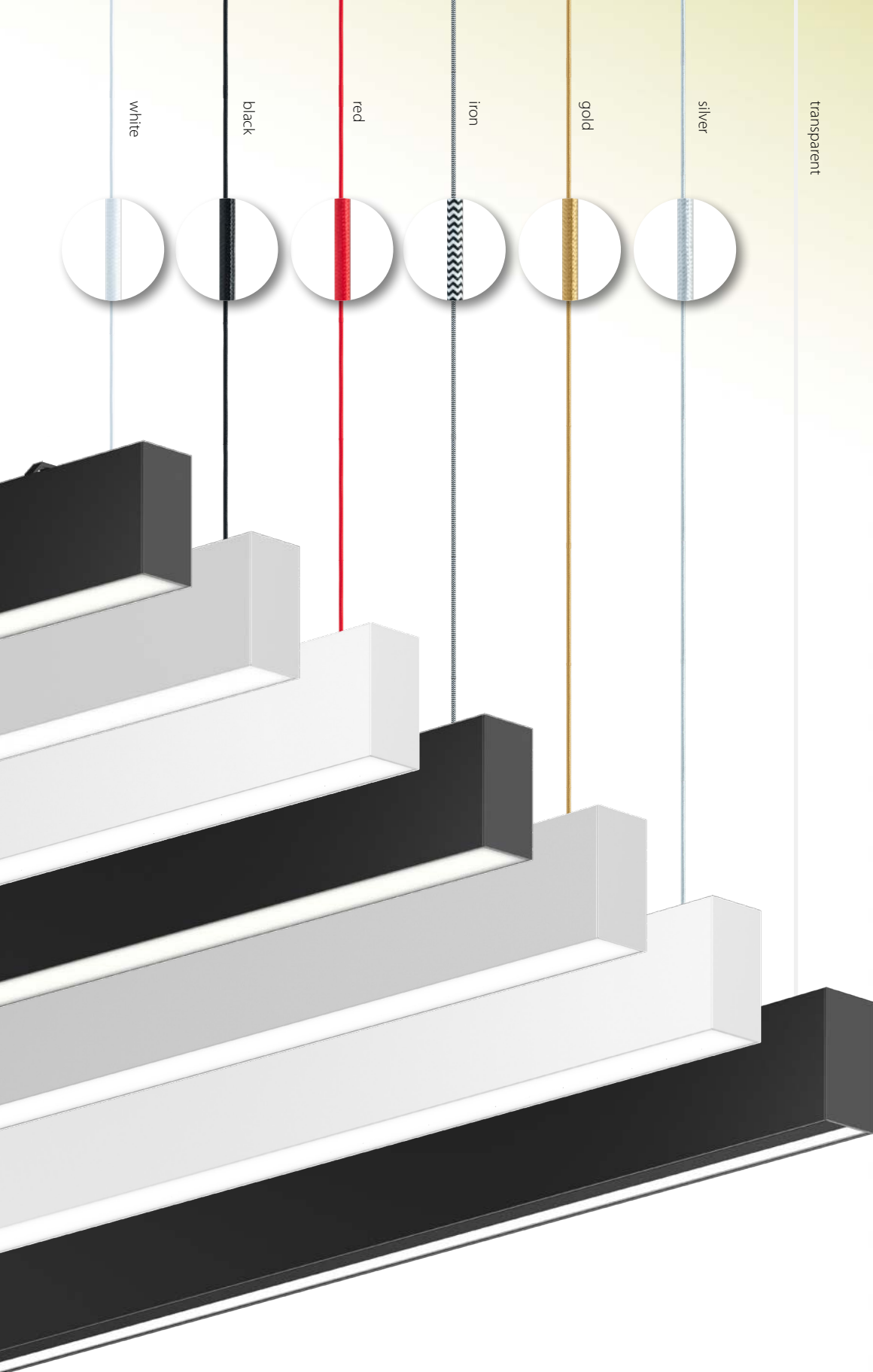
Zusätzlicher Stromverbrauch | Additional current drain | Consommation électrique supplémentaire | Consumo di corrente aumentato

		1	2	3
Profileuchten	3h	3,5W	3,7W	2,0W
Profile fittings Luminaires profilés Lampade a profilo				
ø □ 3xx mm, 4xx mm Flächenleuchten	3h	3,5W	3,7W	2,0W
Surface Lights Luminaires ronds et carrés Lampade piane				
ø □ 6xx mm, 9xx mm, 12xx mm Flächenleuchten	3h	4,0W	4,3W	2,2W
Surface Lights Luminaires ronds et carrés Lampade piane				

1 Erstladung | Initial charging | Charge d'initialisation | Carico iniziale

2 Schnellladung | Quick charging | Charge rapide | Carcio rapido

3 Erhaltungsladung | Trickle charging | Charge de maintien | Carico di mantenimento



white

black

red

iron

gold

silver

transparent



CABLE COLOURS
SELECTION

Optionale Ausführung | Optional version | Version optionnelle | Versione opzionale

Einspeiskabel
Suspension cable
Câble d'alimentation
Cavo di alimentazione

2500 mm
5 x 0,75 mm²

▷ white	T65-EIN-WHITE
▶ black	T65-EIN-BLACK
▶ red	T65-EIN-RED
▷ iron	T65-EIN-IRON
▶ gold	T65-EIN-GOLD
▷ silver	T65-EIN-SILVER



Transparent cable incl. (standard version)

90

HOUSING COLOURS
SELECTION



Technische Informationen

Leistung, Lichtstrom und Farbtemperatur unterliegen durch den Einsatz von elektronischen Bauteilen produktionsbedingten Toleranzen. Toleranzen Leistung und Lichtstrom: +/- 10 %. Toleranz Farbtemperatur: +/- 150 K. Lichtstrom dynamisch weiss bei 2700 K.

Bestromung und Temperatur

LEDs unterliegen während ihrer Lebensdauer Veränderungen in den Eigenschaften. Die Bestromung der LED und das Temperaturmanagement nehmen dabei vorrangig Einfluss. Zunehmend mit der Betriebstemperatur der LED verstärken sich über die Nutzungsdauer Verschiebungen des Farborts und Abnahme des Lichtstroms. Um die Veränderung zu minimieren, werden die Produkte in diesem Katalog daher meist mit weniger Strom betrieben als vom Hersteller empfohlen. In Verbindung mit ausgereiftem Thermomanagement können wir damit eine niedrige Betriebstemperatur unserer LEDs sicherstellen, was eine nachhaltig geringere Farbortverschiebung und minimierte Lichtstromabnahme zur Folge hat.

Farbortverschiebung

Während der Einbrennphase in den ersten 1.000 Betriebsstunden unterliegen LEDs einer Farbortverschiebung einer 2-Step-MacAdam-Ellipse. Mit niedrigem Betriebsstrom erhöht sich die Farbortverschiebung nach diesem Zeitraum über die Lebensdauer unserer LEDs ausgehend vom gelieferten Binning-Feld nur geringfügig. Die gesamte Farbortverschiebung bleibt somit in der Regel innerhalb einer 3-Step-MacAdam Ellipse.

Lichtstromabnahme

LEDs verlieren über die Zeit an Lichtstrom. Diese Lichtstromdegradation lässt sich über verschiedene Werte messen: L-Wert, B-Wert und Betriebsdauer in Stunden. Der L-Wert gibt den Prozentsatz des Anfangslichtstroms bei Erreichen der Betriebsdauer in Stunden an. Der B-Wert sagt aus, wie viel Prozent der LED den L-Wert unterschreiten dürfen. Ist kein B-Wert angegeben, so gilt der Wert B50. Beispielhaft würde das bei der Angabe 40.000h L80/B50 bedeuten, dass nach einer Betriebsdauer von 40.000h der Ausgangslichtstrom auf 80% gesunken ist und mindestens 50% der LEDs diesen Wert nicht unterschreiten. Da die tatsächlich erreichte Lebensdauer von verschiedensten Faktoren wie der Umgebungstemperatur, Luftfeuchtigkeit und der eingestellten Bestromung (LO, HO, usw.) abhängt, werden in diesem Katalog nur Richtwerte für den jeweiligen Leuchtentyp angegeben. Auf Anfrage kann die Lebensdauer für einen expliziten Leuchtentyp unter Angabe der zu erwartenden Randbedingungen weiter eingegrenzt werden. Bei den hier aufgeführten Leuchten mit einem Indirektanteil sind die Direkt- und die Indirektseite standardmäßig nicht getrennt schaltbar (Artikelnummer-Bereich Output: 1, non-dim) beziehungsweise nicht getrennt schalt- und dimmbar (Artikelnummer-Bereich Output: 3, DALI dim) ausgeführt. Die mit „DALI switchDIM“ gekennzeichneten Leuchten sind sowohl über DALI, als auch unter Verwendung einer Neutralleiterbrücke mit switch-Dim ansteuerbar. Falls eine getrennte Schalt- oder Dimmbarkeit gewünscht ist, existieren in Abhängigkeit von der gewünschten Steuerart verschiedene vordefinierte Sonderausführungen.

Bei Interesse wenden Sie sich bitte an unser Kundenservicecenter.

CONTACT US

+43-5242-71608
info@planlicht.com



E-Mail: info@planlicht.com

Technical Information

The power output, luminous flux and colour temperature can be slightly different due to specific electronic components used in the manufacturing process. The power output and luminous flux can differ by +/- 10 %. The colour temperature can differ by +/-150 K. Luminous flux dynamic white at 2700 K.

Current feed and temperature

LEDs are subject of changes during their lifespan. Current feed and thermal management take major influence. As LED operating temperatures increase, the colour locations shift more heavily and the luminous flux decreases over the LED's lifespan. To minimize changes the products in this catalogue are operated with less current than recommended by the manufacturer. Combined with advanced thermal management a lower operating temperature of our LEDs can be ensured which leads to lower levels of colour location shifts and luminous flux degradation over the long term.

Colour point shift

During the burn-in-phase of the first 1'000 hours of operation LEDs are subject to a colour point shift of one 2-step MacAdam ellipse. Due to lower operating current the colour point shift increases slightly after the burn-in-phase during the lifespan of the LEDs based on the binning group at delivery. So the total colour point shift generally remains within one 3-step MacAdam ellipse.

Luminous flux degradation

Over time the LEDs' luminous flux declines. This degradation of the luminous flux is measured by different values: L-value, B-value and time of operation in hours. The L-value represents the percentage of the luminous flux of the initial luminous flux when the time of operation is reached. The B-value shows the percentage of the LEDs whose luminous flux might be below the L-value upon reaching the time of operation. B50 applies to all products without specified B-value. For example: 40,000h L80/B50 means that at a usage of 40,000 hours we would expect a maximum of 50% (B50) of the LEDs are under 80% (L80) of their starting lux value (either by dimming, failing or a combination thereof). The estimated lifetime is defined under controlled conditions and will vary according to actual ambient temperature, humidity and the power output of the LED (LO, HO, etc.). Upon request we can estimate a more accurate luminaire lifetime when provided with information pertaining to the environmental conditions of the installation area.

In the case of direct/indirect luminaires with a "1" (non-dim) in the "Dimming Type" segment of the article number (#9), the direct and indirect sides cannot be separately switched as standard, with a "3" (DALI-dim) in the "Dimming Type" segment of the article number the direct and indirect sides are not separately switchable and dimmable. The luminaires marked with "DALI-switchDIM" can be controlled via DALI as well as switch-DIM using a neutral conductor bridge. If separate switching or dimming is desired, then there are several predefined special versions depending on the desired control type.

If interested, please contact our Customer Service Center.

Informations techniques

La puissance, le flux lumineux et la température de couleur peuvent légèrement différer en raison de l'utilisation de composants électroniques spécifiques dans le processus de production. La puissance et le flux lumineux peuvent différer de +/- 10 %. La température de couleur peut différer de +/- 150 K. Flux lumineux blanc dynamique à 2700 K.

Alimentation et température

Les caractéristiques des LED peuvent changer au cours de leur durée de vie. L'alimentation des LED et la gestion thermique ont une influence considérable sur ces changements. Plus la température de la LED en fonctionnement est élevée, plus les risques de déviation chromatique et de perte de flux lumineux augmentent au cours de la durée d'utilisation. Pour minimiser ces changements, les produits du présent catalogue sont pour la plupart alimentés avec un courant d'intensité plus faible que celui recommandé par le fabricant. Grâce à des analyses approfondies sur la gestion thermique, nous pouvons garantir que la faible température de nos LED en fonctionnement réduit fortement les risques de déviation chromatique et de perte de flux au cours de la durée de vie du produit.

Variation chromatique

Lors de la phase de rodage, pendant les 1 000 premières heures de fonctionnement, les LED ont une variation chromatique de rang 2 sur l'ellipse de MacAdam. Après cette phase et pendant toute la durée de vie de nos LED, les coordonnées chromatiques ne diffèrent que légèrement par rapport au groupe de binning livré, grâce à la faible intensité du courant d'alimentation. La variation chromatique reste donc généralement comprise à l'intérieur du rang 3 de l'ellipse de MacAdam.

Perte de flux lumineux

Le flux lumineux des LED peut baisser au cours du temps. Il existe plusieurs indicateurs pour mesurer la dégradation du flux lumineux : valeur L, valeur B et durée de fonctionnement en heures. La valeur L correspond au pourcentage du flux lumineux initial quand la durée de fonctionnement en heures est atteinte. La valeur B indique le pourcentage de LED pouvant présenter un flux lumineux inférieur à la valeur L. Si la valeur B n'est pas indiquée, sa valeur par défaut est B50. Par exemple, l'indication « 40 000h L80/B50 » signifie que le flux lumineux sortant représente minimum 80 % du flux sortant initial après une durée d'utilisation de 40 000 heures et que minimum 50 % des LED conservent un flux supérieur ou égal à cette valeur. Comme la durée de vie réelle dépend de différents facteurs, comme la température ambiante, l'humidité de l'air et le courant d'alimentation (LO, HO, etc.), les valeurs indiquées dans le présent catalogue sont uniquement des valeurs indicatives pour les différents types de luminaires. Sur demande, la durée de vie d'un type de luminaire particulier peut être déterminée plus précisément, sous réserve de la transmission d'informations sur les conditions du site d'installation.

Les luminaires en éclairage direct/indirect présentés ici ne permettent pas, de manière standard, un allumage séparé des côtés direct et indirect (luminaires non gradables ou « nondim » avec le chiffre « 1 » en position « Output » du numéro d'article), ni un allumage et une gradation séparées des côtés direct et indirect (luminaires gradables DALI ou « DALI dim » avec le chiffre « 3 » en position « Output » du numéro d'article). Les luminaires avec la mention « DALI switchDIM » permettent d'utiliser soit une gestion DALI, soit une gestion switchDIM en installant un pont sur le conducteur neutre. Si vous souhaitez une version avec un allumage ou une gradation séparée, nous vous proposons des solutions sur-mesure en fonction du type de gestion désiré.

Pour toute demande, veuillez contacter notre service clients.

Informazioni tecniche

Potenza, flusso luminoso e temperatura colore sono soggette a tolleranza dovuta all'uso di componenti elettroniche nella produzione. Tolleranza potenza e flusso luminoso +/- 10%. Tolleranza temperatura colore +/- 150K. Flusso luminoso bianco dinamico a 2700 K.

Alimentazione e temperatura

I LED sono soggetti a variazioni di caratteristiche durante la durata di vita. L'alimentazione e la gestione della temperatura sono i fattori più influenti. L'aumento della temperatura del LED comporta la variazione del colore, la riduzione del flusso luminoso e la durata di vita. Per ridurre le possibili variazioni, i prodotti del presente catalogo vengono utilizzati con una minore potenza rispetto a quella raccomandata dal produttore. In combinazione con un'avanzata gestione termica si ottiene una temperatura operativa più bassa che minimizza la variazione di colore e la caduta del flusso.

Variazione del colore

Durante le prime 1000 ore di funzionamento i LED sono soggetti ad una variazione del colore pari a 2 step MacAdam. La potenza ridotta produce una variazione colore insignificante durante la durata di vita dei nostri LED, rimanendo nel valore di binning fornito. La variazione colore normalmente è contenuta all'interno dell'ellisse dei 3-steep MacAdam.

Riduzione del flusso luminoso

I LED sono soggetti ad una perdita progressiva del flusso luminoso. Questa degradazione è espressa attraverso i seguenti valori: valore vita media (L), livello di affidabilità (B) e tempo di funzionamento in ore. La percentuale di flusso luminoso iniziale (L) esprime il decadimento del flusso al raggiungimento del numero di ore di funzionamento. La percentuale (B) indica quanti LED possono rimanere al di sotto di tale valore L. Quando il valore B è pari a B50 l'indicazione viene omessa. Per esempio, le indicazioni 40.000h L80/B50 indica che dopo un tempo di funzionamento pari a 40.000h il flusso luminoso decade all'80% ed un massimo del 50% dei LED non rispetta questo valore. Il tempo di funzionamento reale dipende da vari fattori, quali ad esempio.

Nel caso degli apparecchi con componente indiretta, qui elencati, come impostazione predefinita le due componenti diretta ed indiretta non sono controllabili separatamente (codice articolo - valore di Output: 1, non dimmerabile) o non accendibile e dimmerabile separatamente (codice articolo - valore di Output: 3, dim. DALI). Gli apparecchi contrassegnati con „DALI switchDIM“ possono essere controllati sia tramite DALI e che utilizzando un interruttore switch-Dim. Se si desidera accendere o dimmerare le componenti separatamente, possiamo offrire diverse versioni speciali predefinite a seconda del tipo di controllo desiderato.

Se siete interessati, vi preghiamo di contattare il nostro servizio clienti.

Allgemeine Geschäfts- und Lieferbedingungen

I. Allgemeines

(1) Die Firma planlicht GmbH & Co KG, im Folgenden kurz der Unternehmer, schließt Verträge mit seinen Kunden ausschließlich aufgrund dieser Allgemeinen Geschäfts- und Lieferbedingungen ab. Der Kunde verzichtet darauf, diese Allgemeinen Geschäfts- und Lieferbedingungen durch Zusendung eigener Bedingungen abzuändern. Sollte dennoch eine Zusendung solcher Bedingungen des Kunden erfolgen oder erfolgt sein, so verzichtet dieser auf allfällige daraus entspringende Rechtswirkungen. Einmal zwischen dem Unternehmer und einem Kunden in Kraft gesetzte Bedingungen des Unternehmers gelten auch für alle künftigen Verträge zwischen diesen. Die Aufhebung, Ergänzung oder Abänderung von Verträgen bedürfen zu ihrer Gültigkeit der Schriftform.

(2) Ohne schriftliche Ermächtigung durch den Unternehmer ist es den Mitarbeitern untersagt, Zusagen zu tätigen, die diese Bedingungen aufheben, ergänzen oder abändern; sind derartige Zusagen nach dem Konsumentenschutzgesetz für den Unternehmer bindend, kann er jederzeit vom Vertrag zurücktreten.

(3) Dem Kunden ist es nicht gestattet, seine Rechte und Pflichten aus dem Vertrag mit dem Unternehmer ohne dessen schriftliche Zustimmung an Dritte zu übertragen. Alle vom Unternehmer erstellten bzw. übergebenen kaufmännischen und technischen Unterlagen sind Verkaufshilfen und verbleiben in dessen Eigentum. Jede Verbreitung und Verwertung bedarf der schriftlichen Zustimmung des Unternehmers. Verkaufshilfen dürfen nur zur Präsentation und Vermarktung von Produkten des Unternehmers verwendet werden. Insbesondere dürfen solche Unterlagen nicht Dritten zugänglich gemacht werden. Es steht dem Unternehmer frei, solche Unterlagen und Verkaufsinformationen jederzeit ohne Angabe von Gründen zurückzufordern.

II. Angebote

(1) Dem Unternehmer zugehende Angebote des Kunden werden vom Unternehmer nur durch schriftliche Annahmeerklärung oder durch tatsächliche Erfüllung angenommen; der anbietende Kunde ist an sein Angebot für die Dauer von vier Wochen ab Einlangen beim Unternehmer gebunden.

(2) Angebote des Unternehmers sowie auch der Inhalt von sonstigen Geschäftsunterlagen (Kostenvorschläge, Rundschreiben, Kataloge, Preislisten, Prospekte, Anzeigen, Abbildungen etc.) sind grundsätzlich freibleibend und unverbindlich und durch den Unternehmer abänderbar und widerrufbar. Die Kalkulationen des Angebotes gelten nur bei Bestellung der gesamten angebotenen Ware bzw. Menge.

III. Lieferung und Lieferbedingungen

(1) Sofern nicht ausdrücklich etwas anderes schriftlich vereinbart wurde, sind die Lieferfristen und Termine freibleibend und unverbindlich. Die Lieferfrist beginnt mit rechtswirksamen Abschluss des jeweiligen Vertrages, jedoch nicht vor vollständiger Klärung aller Einzelheiten betreffend die Planung und Ausführung und nicht vor Leistung einer vereinbarten Anzahlung. Im Falle einer nachträglichen Abänderung des jeweiligen Vertrages ist der Unternehmer auch bei verbindlicher schriftlicher Zusage berechtigt, Lieferfrist und Liefertermin einseitig neu zu bemessen.

(2) Mangels anderslautender Vereinbarung gelten die Leistungen ab Werk (Lager) des Unternehmers und auf Rechnung sowie Gefahr des Kunden vereinbart; dies gilt auch für Teillieferungen. Wurde Abholung vereinbart, so geht die Gefahr bereits mit Bereitstellung der Ware zur Abholung über. Übernimmt der Kunde die Ware nicht vereinbarungsgemäß, so geht mit dem vereinbarten Termin die Gefahr auf den Kunden über und ist er verpflichtet, sämtliche Kosten für die Einlagerung, sei dies beim Unternehmer oder bei Dritten, zu tragen. Ist die Ware vom Unternehmer infolge gesonderter Vereinbarung an einen bestimmten Ort zu liefern, so gilt die Lieferung dorthin, ohne weitere Vereinbarung, nicht als frachtfrei. Der Unternehmer ist in der Wahl des Transportmittels frei. Mit Übergabe an den Spediteur oder Frachtführer geht die Gefahr, unabhängig von einer späteren Annahme durch den Kunden, auf diesen über. Die Lieferung und die Erfüllung der Lieferfrist erfolgt in unseren Kernmärkten Österreich, Südtirol, Schweiz, Deutschland, Frankreich, Finnland frachtfrei benannter Bestimmungsort (CPT) gemäß der am Tage des Vertragsabschlusses gültigen Fassung der internationalen Handelskammer in Paris INCOTERMS. Sofern nicht ausdrücklich etwas anderes schriftlich vereinbart wird, erfolgt die Lieferung innerhalb Österreichs ab einem Bestellwert von netto EUR 350,- nach Deutschland und in die Schweiz, Südtirol ab netto EUR 750,- nach Frankreich ab netto EUR 500,- und nach Finnland ab netto EUR 1000,- frei Haus. Bei Sendungen unter dem vorgenannten Betrag gehen die Frachtkosten zu Lasten des Kunden. Der Unternehmer behält sich das Recht vor, Lieferungen per Nachnahme abzuwickeln. Darüber hinaus ist der Unternehmer zur Abdeckung allfälliger Ansprüche aus verdeckten Mängeln, die durch den Transport verursacht werden, berechtigt dem Kunden einen Zuschlag in Höhe von 1 % vom Netto-Warenwert in Rechnung zu stellen.

(3) Wird die Ausführung eines Vertrages durch höhere Gewalt (z. B. Streiks, größere Betriebsstörungen sowie alle Umstände, welche die Lieferung erheblich erschweren oder unmöglich machen) behindert und ist dies für den Unternehmer nicht oder nur in wirtschaftlich unzumutbarer Weise beseitigbar, so wird der Unternehmer von seinen vertraglichen Verpflichtungen frei, ohne dass dem Kunden ein Schadenersatzanspruch zusteht. Der Unternehmer ist berechtigt, nach Wegfall der Behinderung die Lieferung oder Leistung auszuführen oder vom Vertrag hinsichtlich des noch nicht erfüllten Teiles zurückzutreten. Der Kunde kann in diesem Fall den Unternehmer mittels eingeschriebenen Briefes auffordern, zu erklären, ob er vom Vertrag zurücktritt oder innerhalb angemessener Frist liefern will. Erklärt sich der Unternehmer nicht binnen 14 Tagen nach Erhalt der schriftlichen Aufforderung, kann der Kunde unter Verzicht auf allfällige Schadenersatzansprüche vom Vertrag zurücktreten.

(4) Ist der Kunde zum Liefertermin abwesend oder mit den für die Durchführung der (Teil-)Lieferung notwendigen Vorkehrungen säumig, gilt die Leistung bzw. die Lieferung als übernommen. Gefahr und Kosten gehen, sofern nicht ohnehin bereits früher erfolgt, auf den Kunden über. Nimmt der Kunde die vertragsgemäße Ware bzw. Leistung nicht am richtigen Ort oder zur richtigen Zeit an, kann der Unternehmer jedenfalls entweder Erfüllung verlangen oder unter Setzung einer angemessenen Nachfrist vom Vertrag zurücktreten; diesfalls haftet der Kunde für den ganzen hierdurch entstehenden Schaden.

(5) Hat der Unternehmer den Verzug verschuldet, kann der Kunde nach Setzung einer angemessenen, mindestens 14tägigen Nachfrist entweder Erfüllung verlangen oder den Rücktritt vom Vertrag erklären. Die Rücktrittserklärung muss vom Kunden bereits bei der Nachfristsetzung schriftlich, unbedingt und bestimmt abgegeben werden. Der Rücktritt vom Vertrag wird nur dann wirksam, wenn der Unternehmer auch die Nachfrist schuldhaft versäumt. Weiter gehende Ansprüche, insbesondere aus dem Titel des Schadenersatzes, werden, soweit gesetzlich zulässig, ausdrücklich ausgeschlossen.

(6) Der Unternehmer ist berechtigt, ohne für sich Verzugsfolgen auszulösen, die Einhaltung von Lieferfristen und Terminen vom Eingang vereinbarter Anzahlungen, von der zeitgerechten Zahlung offener Forderungen, von der Aufklärung sich nachträglich ergebender offener Fragen, von der Erfüllung sämtlicher technischer und räumlicher Voraussetzungen sowie von der Erfüllung aller übrigen Vertragspflichten abhängig zu machen.

(7) Mangels anders lautender ausdrücklich schriftlicher Vereinbarung ist der Unternehmer berechtigt, Teil- und Vorlieferungen durchzuführen und für diese entsprechende Teilrechnungen zu legen.

(8) Offensichtliche Transportschäden oder -mängel sind vom Kunden dem Spediteur und dem Unternehmer unmittelbar bei Empfang der Lieferung anzuzeigen und von diesen bestätigen zu lassen. Transportschäden oder -mängel, die in verpacktem Zustand nicht erkennbar waren, sind dem Spediteur und dem Unternehmer innerhalb von drei Tagen nach Empfang der Ware anzuzeigen. Andernfalls ist eine Abwicklung von Transportschäden- oder -mängeln über den Unternehmer ausgeschlossen.

IV. Rücknahmen

Rücknahmen bedürfen, vorbehaltlich einer ausdrücklichen schriftlichen Zustimmung des Unternehmers, einer ausdrücklichen vorhergehenden schriftlichen Anmeldung und können nur innerhalb von vier Wochen ab dem Tag der Lieferung bzw. Leistung erfolgen. Im Falle der Zustimmung des Unternehmers wird nur einwandfreie, technisch aktuelle und original verpackte Ware zurück genommen. Je nach internem Aufwand werden dem Kunden mind. 20 % des Warenwertes (mindestens EUR 10,-) an Manipulationskosten verrechnet. Anfallende Transportkosten für Rücknahmen jeder Art gehen jedenfalls zur Gänze zu Lasten des Kunden.

V. Musterlieferungen

Nach Vereinbarung besteht die Möglichkeit Muster vier Wochen lang zur Verfügung gestellt zu bekommen. Bei Musterlieferungen verlängert sich das Zahlungsziel um die genannte Behaltezeit. Das Porto ist für die Hin- und Rücklieferung vom Kunden zu tragen. Musterlieferungen werden vom Unternehmer nur zurückgenommen und gutgeschrieben, wenn sie in Umfang und Güte der Originallieferung entsprechen, keine mechanische Montage durchgeführt wurde und die Ware keine Beschädigungen aufweist. Leuchtmittel aller Art sind von der Rücknahme ausgeschlossen.

VI. Zahlungsbedingungen

(1) Preise (Entgelte) für Verkäufe von Waren des Unternehmers gelten, sofern nicht ausdrücklich etwas anderes schriftlich vereinbart wurde, ab Werk (Lager) in Euro netto zuzüglich der jeweils geltenden gesetzlichen Umsatzsteuer, einschließlich Verpackung jedoch ohne Fracht, Versicherung, Zölle, Gebühren oder sonstige Nebenkosten. Preiserhöhungen wegen der Steigerung der Gestehungskosten (insbesondere Materialpreise, Löhne, Generalunkosten etc.) zwischen dem Vertragsabschluss und der Erfüllung werden dem Kunden in Rechnung gestellt und sind von diesem zu tragen. Aufträge ohne Preisbestimmung werden zu den am Tag der Rechnungslegung geltenden üblichen Preisen des Unternehmers berechnet. Technische Änderungen oder Abweichungen von Vorgaben aller Art sind vom Kunden zum allgemein üblichen Preis zu akzeptieren, sofern sie dem vom Kunden angestrebten Verwendungszweck nicht zuwiderlaufen.

(2) Das Entgelt einschließlich aller Nebengebühren (Umsatzsteuer etc.) ist, wenn nichts anderes schriftlich vereinbart wurde, binnen 14 Tagen ab Rechnungsdatum ohne Abzug und Skonto fällig.

(3) Die Rechnungslegung erfolgt generell und ausschließlich auf elektronischem Weg.

(4) Der Unternehmer ist nicht verpflichtet, Schecks anzunehmen. Zahlungen mittels Scheck erfolgen nur zahlungshalber. Sämtliche Spesen und Bankprovisionen in Verbindung mit Überweisungen, gleich welcher Art, gehen zu Lasten des Kunden. Bei Banküberweisung und Scheck gilt der Tag der Kontogutschrift bzw. Einlösung als Tag des Zahlungseinganges. Im Falle des Zahlungsverzuges werden die gesetzlichen Verzugszinsen zuzüglich Mahnspesen vereinbart. Zudem erlöschen bei gerichtlicher Einforderung des geschuldeten Betrages die Rabattierungen sowie sonstige Preisnachlässe und es gelten die Bruttolistenpreise als geschuldet.

(5) Bei Verzug mit auch nur einer einzigen (Teil-)Zahlung tritt Terminverlust ein und sind alle Rechnungen und Forderungen sofort fällig, ohne dass es einer ausdrücklichen Fälligkeitstellung durch den Unternehmer bedarf. Gleiches gilt für den Fall einer wesentlichen Verschlechterung der Vermögensverhältnisse des Kunden. Der Unternehmer ist auch in diesem Fall berechtigt, unter Setzung einer angemessenen Nachfrist vom Vertrag zurückzutreten und die an den Kunden gelieferten Waren zurückzunehmen, Ausfolgung zu verlangen oder ausstehende Lieferung/Leistung, auch anderweitige Aufträge betreffend, zurückzuhalten.

(6) Nach Wirksamwerden eines Rücktritts vom Vertrag hat der Kunde die bereits ausgelieferte Ware sofort ohne weitere Aufforderung auf seine Kosten dem Unternehmer zurückzustellen, Ersatz für allfällige Wertminderung zu leisten und alle Aufwendungen zu ersetzen, die dem Unternehmer im Zuge der Durchführung des Vertrages und seiner Rückabwicklung erwachsen.

(7) Sofern dem nicht zwingende gesetzliche Bestimmungen entgegenstehen, darf der Kunde mit seinen Forderungen nicht gegen Forderungen des Unternehmers aufrechnen. Eingehende Zahlungen können vom Unternehmer, unabhängig von der Widmung durch den Kunden, jeweils auf die älteste Lieferung/Leistung angerechnet werden.

(8) Sofern dem nicht zwingende gesetzliche Bestimmungen entgegenstehen, steht dem Kunden ein Zurückbehaltungs- oder Pfandrecht an den Waren des Unternehmers nicht zu.

(9) Für den Fall, dass Ware in ein Drittland zu liefern ist, so behält sich der Unternehmer ausdrücklich die nachträgliche Verrechnung der gesetzlich gültigen Mehrwertsteuer vor, wenn der Kunde seiner Verpflichtung zur ordnungsgemäßen Ausfuhrdokumentation nicht nachkommt.

Allgemeine Geschäfts- und Lieferbedingungen

VII. Eigentumsvorbehalt

- (1) Bis zur vollständigen vorbehaltslosen Zahlung sämtlicher Ansprüche des Unternehmers aus einem Vertrag einschließlich Zinsen, Kosten und Spesen sowie bis zur vollständigen Erfüllung aller sonstigen gegenwärtigen und zukünftigen finanziellen Verpflichtungen des Kunden in Verbindung mit der jeweiligen Lieferung/Leistung sowie aufgrund aller sonstigen Lieferungen und Leistungen bleibt die gelieferte Ware im uneingeschränkten Eigentum des Unternehmers. Auch das Eigentum an Waren aus künftigen Lieferungen geht erst dann über, wenn die Forderungen aus den früheren Lieferungen restlos beglichen sind. Der Kunde hat auf seine Kosten und von sich aus sämtliche Schritte zu tätigen und Erklärungen abzugeben, die je nach Lage der Sache zur Begründung oder Erhaltung des Eigentumsvorbehaltes notwendig sind.
- (2) Eine Veräußerung oder Verpfändung der Vorbehaltsware vor vollständiger Erfüllung aller finanziellen Verpflichtungen ist nur mit ausdrücklicher schriftlicher Zustimmung des Unternehmers zulässig. Unabhängig davon bietet der Kunde bereits hiermit unwiderruflich an, für den Fall der Weiterveräußerung dieser Waren alle daraus entstehenden Forderungen an den Unternehmer zu dessen Befriedigung zahlungshalber abzutreten. Der Unternehmer kann dieses Abtretungsangebot jederzeit ohne zeitliche Begrenzung annehmen. Sämtliche damit zusammenhängenden Gebühren und Kosten sind zur Gänze vom Kunden zu tragen.
- (3) Bis zur vollständigen Erfüllung aller finanziellen Verpflichtungen ist der Kunde weiters nicht berechtigt, gelieferte Ware zu be- bzw. verarbeiten oder mit anderen Sachen zu verbinden, widrigenfalls dem Unternehmer das Alleineigentum an den aus der Bearbeitung, Verarbeitung und Verbindung hervorgegangenen Sachen zusteht.
- (4) Im Falle einer Pfändung oder sonstigen Inanspruchnahme der gelieferten Ware ist der Kunde verpflichtet, den Unternehmer unverzüglich zu verständigen und auf seine Kosten alle Maßnahmen zur Wahrung des Eigentumsrechtes des Unternehmers zu setzen. Wird die Vorbehaltsware vom Unternehmer ausgesondert, so kann der Unternehmer eine Einlagerung auf Kosten und Gefahr des Kunden vornehmen. Dieser hat dem Unternehmer alle Aufwendungen im Zusammenhang mit der Geltendmachung des Eigentums zu erstatten.
- (5) Für den Fall der Nichtzahlung einer fälligen Forderung des Unternehmers, der Zahlungseinstellung, der Insolvenzöffnung oder der Exekution auf eine unter Eigentumsvorbehalt stehende Ware hat der Kunde sämtliche unter Eigentumsvorbehalt stehende Ware an den Unternehmer zurückzustellen.

VIII. Schadenersatzansprüche

- (1) Die Haftung des Unternehmers für Schäden des Kunden ist für leichte Fahrlässigkeit ausgeschlossen. Soweit gesetzlich zulässig haftet der Unternehmer dem Kunden nicht für entgangenen Gewinn, Beeinträchtigung oder Verlust von Good Will, Beeinträchtigung oder Verlust von Geschäftsgelegenheiten, Folgeschäden jeder Art, sonstige wirtschaftliche Verluste, reinen Vermögensschäden, Zinsverluste, Schäden aus Ansprüchen Dritter gegenüber dem Kunden und/oder anderen Schäden, die aus oder im Zusammenhang mit einzelnen Lieferverträgen oder mit diesen Allgemeinen Bedingungen entstehen. Sofern im Einzelfall ein weitergehender Haftungsausschluss zulässig ist, gilt dieser als vereinbart.
- (2) Im Falle grober Fahrlässigkeit ist die Haftung des Unternehmers für Schäden auf das zehnfache des Nettofabrikatenbetrages der gelieferten, den Schaden verursachenden Ware beschränkt.
- (3) Bei Nichteinhaltung allfälliger Bedingungen des Unternehmers für Montage, Inbetriebnahme und Benutzung ist jeder Schadenersatz ausgeschlossen.
- (4) Sofern nicht zwingende gesetzliche Bestimmungen dem entgegenstehen, ist eine Haftung für Schäden nach dem Produkthaftungsgesetz und anderen vergleichbaren Normen, unabhängig, welcher Rechtsordnung sie entspringen, ausgeschlossen. Der Kunde verpflichtet sich, diesen Haftungsausschluss zu Gunsten des Unternehmers auf allfällige Abnehmer zu überbinden. Der Kunde ist verpflichtet, seine Mitarbeiter laufend und nachweislich über alle Informationen und Anweisungen, die der Unternehmer mit seinen Produkten mitliefert, wie auch über gesetzliche Vorschriften in Kenntnis zu setzen.

IX. Reklamationen und Gewährleistung

- (1) Sofern im Einzelfall nicht gesonderte schriftliche Vereinbarungen getroffen wurden oder zwingende gesetzliche Bestimmungen – insbesondere in der Rechtsbeziehung gegenüber Verbrauchern im Sinne des Konsumentenschutzgesetzes vom 8. März 1979 in der jeweils geltenden Fassung, zur Anwendung kommen, ist der Unternehmer gemäß der nachstehenden Bestimmungen der Absätze (2) bis (8) zur Gewährleistung verpflichtet. Im Falle der Anwendbarkeit gesetzlich zwingender Bestimmungen gelten diese; im Falle einer sonstigen Nichtigkeit gilt Punkt XIII. Absatz (4) der Allgemeinen Geschäfts- und Lieferbedingungen.
- (2) Die Gewährleistungsfrist beträgt ab Gefahrenübergang sechs Monate; die Gewährleistungsfrist für Ersatzstücke und Verbesserungen beträgt drei Monate. Gewährleistungsansprüche verjähren spätestens binnen sechs Monaten ab fristgerechter Rüge. Für Konsumenten gelten die gesetzlichen Bestimmungen zur Gewährleistungsfrist.
- (3) Sowohl sichtbare Mängel, fehlende Teile als auch verdeckte Mängel sind bei sonstigem Ausschluss der Gewährleistung unverzüglich nach Übergabe schriftlich und mittels sofortiger Einstellung der Eigenund/oder Fremdbearbeitung durch Dritte zu rügen; beim Kunden anfallende Aufwendungen, gleich welcher Art, im Zusammenhang mit Reklamationen gehen jedenfalls dann ausschließlich zu Lasten des Kunden, wenn über deren Höhe und Ersatz mit dem Unternehmer vor dem Entstehen derselben nicht ausdrücklich eine schriftliche Vereinbarung getroffen wurde. Mangels fristgerechter Rüge gilt die Ware als vorbehaltslos, ordnungsgemäß und mangelfrei übernommen.
- (4) Im Falle einer fristgerechten Rüge ist der Unternehmer nach seiner Wahl nur zur Verbesserung oder zum Austausch der Ware verpflichtet; hierzu steht dem Unternehmer eine angemessene Frist, mindestens jedoch eine solche von einem Monat, zur Verfügung. Bedeutet die Verbesserung oder der Austausch für den Unternehmer einen unverhältnismäßigen Aufwand, so kann er seiner Gewährleistungspflicht auch durch Gewähren einer angemessenen Preisminderung nachkommen; ist der Mangel nicht geringfügig, kann der Unternehmer Aufhebung des Vertrages (Wandlung) verlangen. In den Fällen der Preisminderung und Wandlung erfüllt der Unternehmer seine Verpflichtungen, sofern er in Höhe des dadurch bedingten Anspruches des Kunden eine entsprechende Gutschrift zu dessen Gunsten ausstellt. Ist der Kunde aus von ihm zu vertretenden Gründen bei einem zur Verbesserung vereinbarten Termin nicht anwesend oder erschwert er die Verbesserung oder den Austausch bzw. macht dies unmöglich, gilt dies als Verzicht auf die Gewährleistungsansprüche.
- (5) Die durch die vorstehenden Maßnahmen auflaufenden Kosten sind mit Ausnahme der Versandkosten für Ersatzteile bzw. Ersatzware vom Kunden zu tragen (Aufzahlung).
- (6) Der Unternehmer ist zur Mängelbehebung solange nicht verpflichtet, als der Kunde seinen Zahlungsverpflichtungen einschließlich einer allfälligen Aufzahlung nicht nachkommt.
- (7) Für den Fall eines Verschuldens haftet der Unternehmer für Schadenersatz nur bei Vorliegen von grober Fahrlässigkeit oder Vorsatz, nicht jedoch bei Vorliegen leichter Fahrlässigkeit. Im Falle des Schadenersatzes gelten die vorstehenden Regeln gemäß Absatz (4) entsprechend.
- (8) Die Gewährleistung des Unternehmers ist ausgeschlossen, wenn die Ware unüblich gebraucht wurde, der Mangel durch den Kunden bzw. Dritte verursacht wurde oder vom Kunden bzw. Dritten Manipulationen oder Reparaturen an der Ware vorgenommen wurden. Die Gewährleistung ist ausgeschlossen für Verbrauchs- und Verschleißteile.
- (9) Die Gewährleistung erlischt automatisch, wenn die Installation nicht durch ein konzessioniertes Elektrounternehmen vorgenommen wird.

X. Schriftstücke

Schriftstücke (z.B. Fakturen, Ablehnung des Auftrages, etc.), die dem Kunden an die zuletzt bekannt gegebene Anschrift oder Adresse übermittelt werden, gelten diesem in jedem Fall als zugegangen, es sei denn, der Kunde hat dem Unternehmer eine Änderung seiner Anschrift rechtzeitig schriftlich bekannt gegeben. Sollte es dennoch zu einer Änderung eines Schriftstückes (Rechnung) kommen, wird vom Unternehmer eine Pauschalgebühr von netto EUR 25,- verrechnet!

XI. Datenschutz

- (1) Der Kunde anerkennt, dass die im Vertrag angeführten Daten über den Kunden für Zwecke der Buchhaltung, Bonitätsprüfung und der Kundenevidenz von der Verkäuferin gespeichert, genutzt und verarbeitet werden. Die Daten werden zur Erfüllung von gesetzlichen Vorschriften, zur Abwicklung des Zahlungsverkehrs und zu Werbezwecken von der Verkäuferin verwendet.
- (2) Der Kunde hat ein Recht auf unentgeltliche Auskunft über seine von der Verkäuferin gespeicherten personenbezogenen Daten sowie gegebenenfalls ein Recht auf Berichtigung, Löschung und Sperrung derselben.

XII. Rechtswahl, Gerichtsstand und salvatorische Klausel

- (1) Als Erfüllungsort für alle beidseitigen Lieferungen/Leistungen und Zahlungen gilt ausschließlich 6134 Vomp als vereinbart.
- (2) Für alle zwischen dem Unternehmer und dem Kunden abgeschlossenen Verträgen und für alle sich aus dem Bestehen oder Nichtbestehen dieser Verträge ergebenden Ansprüche wird die Anwendung österreichischen Rechtes vereinbart, mit Ausnahme der Bestimmungen des österreichischen internationalen Privatrechtes und der Bestimmungen des UN-Kaufrechtes.
- (3) Als ausschließlicher Gerichtsstand für alle Rechtsstreitigkeiten aus dem Vertragsverhältnis wird das für 6134 Vomp jeweils sachlich zuständige Gericht vereinbart; es steht dem Unternehmer jedoch frei, den Kunden auch an einem anderen in- oder ausländischen gesetzlichen Gerichtsstand zu belangen.
- (4) Sofern einzelne Bestimmungen dieser Allgemeinen Geschäfts- und Lieferbedingungen nichtig sind, verpflichten sich die Vertragsparteien hiermit ausdrücklich, rechtswirksame Bestimmungen, welche dem wirtschaftlichen Zweck der ungültigen Bestimmungen möglichst nahe kommen, zu vereinbaren. Die Wirksamkeit sämtlicher übrigen Bestimmungen wird durch die unwirksamen Bestimmungen nicht berührt.

12.09.2016

Terms and Conditions

I. General

(1) All contracts concluded by the Company with its Customers are concluded solely in accordance with these Terms and Conditions of Business and Delivery. The Customer agrees that he will not modify these Terms and Conditions of Business and Delivery by sending his own Terms and Conditions. If such Terms and Conditions of the Customer are sent or have been sent the Customer accepts the inapplicability of any legal consequences arising therefrom. Terms and Conditions of the Company entered into by the Company and a Customer shall apply additionally to all future contracts concluded between these two parties. Cancellation of, additions to and modification of a contract shall be valid only if made in writing.

(2) Employees of the Company are not permitted to agree to any terms that result in the cancellation of, addition to or modification of these Terms and Conditions unless they have received written authorisation to do so from the Company. If employees agree to such cancellation, addition or modification and if these are binding for the Company under the terms of the Consumer Protection Act the Company is entitled to withdraw from the contract at any time.

(3) The Customer is not permitted to transfer his rights and obligations arising from a contract concluded with the Company to a third party unless written permission to do so has been given by the Company. All commercial and technical documents compiled and/or supplied by the Company are intended as sales support material only and remain property of the Company. Any distribution or exploitation of such documents requires the Company's written permission. Use of sales support documents is restricted to the presentation and marketing of the Company's products only. In particular, such documents must not be made available to third parties. The Company reserves the right to demand the return of such documents and sales information at any time and without giving any reasons.

II. Quotes

(1) Any quotes that the Company receives from the Customer shall be accepted by the Company by written notice of acceptance or by actual fulfilment only; the Customer submitting the quote is bound by the terms of his quote for four weeks after his quote has been received by the Company.

(2) All quotes submitted by the Company as well as the contents of other business documentation (estimates, circulars, catalogues, price lists, brochures, advertisements, illustrations etc.) are without obligation and not binding and can be modified or revoked by the Company. The calculations in the quote apply only if the entire quantity of the merchandise quoted for is ordered.

III. General Terms of Shipping and Delivery

(1) Unless expressly agreed otherwise in writing, all delivery periods and dates are without obligation and not binding. The delivery period begins when the contract governing the delivery has been concluded and becomes legally effective but not until all the details concerning planning and execution have been clarified in their entirety and not until payment of any deposit agreed upon has been effected. If the contract is subsequently modified the Company shall be entitled to revise the delivery period or delivery date unilaterally even if the Company has already agreed in writing to a binding delivery period or delivery date.

(2) As long as no other agreement has been made, the services ex works (warehouse) of The Company and agreed at the expense and risk of the customer; the following also applies to partial deliveries. If pickup has been agreed upon, the risk shall be transferred to the pickup site upon delivery of the goods. If the customer does not accept the goods as agreed, the risk is transferred to the customer with the agreed date and he is obliged to bear all costs for the storage, be it with The Company or with third parties. If the goods are to be delivered by The Company to a specific place as a result of a separate agreement, the delivery shall not be deemed to be freight-free, without further agreement. The Company is free to choose the means of transport. By transfer to the freight forwarder or freight carrier, the risk passes to the customer regardless of a later acceptance by the customer. Delivery and the fulfillment of the contracted delivery date takes place in our core markets of Austria, South Tyrol, Switzerland, Germany, France and Finland, free of charge, named destination (CPT) according to the valid version of the International Chamber of Commerce in Paris on the day of the conclusion of the contract INCOTERMS. Unless expressly agreed to otherwise in writing, free delivery takes place within Austria from an order value of EUR 350 net and up, – to Germany, Switzerland and South Tyrol EUR 750 net and up, – to France from EUR 500 net and up, – to Finland from EUR 1000 net and up. Shipping and handling costs shall be borne by the customer on all orders whose total is under the aforementioned prices. The Company reserves the right to ship the freight as cash on delivery (C.O.D.). In addition, The Company is entitled to charge the customer a surcharge of 1% of the net value of the goods for any claims arising from concealed defects caused by the transport.

(3) If the Company undertakes to deliver the merchandise to a specific location under the terms of a separate agreement the delivery to that location shall not be carriage paid, unless expressly agreed. The choice of the means of transport is at the discretion of the Company. Risk passes to the forwarding contractor or carrier as soon as the merchandise is transferred to him, irrespective of whether the merchandise will subsequently be accepted by the Customer.

(4) If performance of the contract is hindered by force majeure (e.g. strikes, major malfunctions and any circumstances that seriously hamper delivery or make it impossible) and if this hindrance cannot be removed by the Company or can be removed only in a way that would incur unreasonable costs, the Company is released from its contractual obligations without the Customer being entitled to claim compensation. The Company is entitled to effect delivery or perform the service once the hindrance has been eliminated or to withdraw from that part of the contract governing the goods not yet delivered or services not yet performed. In this case the Customer can ask the Company by means of a registered letter to declare whether it withdraws from the contract or intends to fulfil the contract within a reasonable period. If the Company does not declare its intention within 14 days of receipt of the written request the Customer is entitled to withdraw from the contract and agrees to waive any claims to compensation.

(5) If the Customer is absent at the time of delivery or has failed to make the preparations necessary for (partial) delivery, the service or delivery shall be deemed to have been accepted notwithstanding. The risk and expense pass to the Customer at this time of delivery, unless they have already passed to him at an earlier date. If the Customer does not accept the merchandise governed by the terms of the contract at the agreed place or at the agreed time the Company can in every case demand acceptance or can withdraw from the contract after having granted an appropriate period of grace; in this case the Customer is liable for all losses thereby incurred.

(6) If the delay is the fault of the Company the Customer can either demand performance or declare his withdrawal from the contract having granted a period of grace of at least 14 days. The declaration of withdrawal must be submitted by the Customer in writing, without fail and definitively with the granting of the period of grace. The withdrawal from the contract takes effect only if the Company fails to fulfil the terms of the contract within the period of grace and by its own fault. Any additional claims, especially claims for compensation, are expressly excluded where such exclusion is permissible by law.

(7) The Company is entitled to make its compliance with delivery periods and delivery dates subject to the receipt of agreed deposits, punctual settlement of outstanding payments, the clarification of any queries arising subsequently, the fulfilment of all technical and space requirements and the fulfilment of all the other contractual obligations without incurring any penalty against the Company due to delay.

(8) Obvious transport damage or defects must be reported by the customer to the freight carrier and The Company immediately upon receipt of the delivery and have it confirmed by them. Transport damage or defects that were not visible in packaged condition shall be reported to the freight carrier and The Company within 3 days of receipt of the goods. Failure to do so will result in the refusal of The Company to process a claim of transport damage or defects.

IV. Returned goods

With the exception of an express written agreement of The Company, an express prior written request may be given and can only be made within 4 weeks from the date of delivery or service. In the event of The Company's consent, only faultless, technically current and original packaged goods will be taken back. Depending on the internal costs, the customer is charged at least 20% of the value of the goods (at least EUR 10, -) for handling (testing & inspection, restock) costs. Any and all shipping and handling costs incurred by a return of any kind shall all be borne by the customer.

V. Sample Shipping

By agreement the shipped samples are available for 4 weeks. In the case of sample deliveries, the payment due date is extended by the retention period. Shipping and handling is to be borne by the customer for both the initial and return shipping. Sample deliveries are only accepted and credited by The Company if they correspond to the scope and quality of the original delivery, no mechanical assembly has been carried out and the goods have not been damaged. Illuminants (LEDs, light bulbs, fluorescent tubes, etc.) of all kinds are excluded from the return.

VI. Conditions of payment

(1) Unless expressly agreed otherwise in writing, prices (payment) of the sale of merchandise of the Company are ex works (warehouse) in euros net plus the legally applicable VAT, including packaging but excluding freight, insurance, customs and excise, fees and other auxiliary costs. Price increases occurring between conclusion of the contract and performance thereof due to an increase in production costs (especially material costs, wages, general costs etc.) shall be charged to the Customer and be borne by him. Orders placed without specification of prices shall be invoiced at the Company's usual prices applicable on the day the invoice is presented. The Customer shall accept any technical modifications and deviations from specifications at the usual price as long as these modifications and deviations are not incompatible with the purpose to which the Customer intends to put the merchandise.

(2) Unless otherwise agreed in writing, the payment of all invoices and extra charges (VAT, etc.) is due within 14 days from the date of invoice, without any deduction and discount.

(3) Invoices are generally and exclusively sent by electronic means.

(4) The Company is not obliged to accept bills of cheques. Payments made by bill of cheque shall be deemed to be conditional payments only. Any fees and bank commission incurred in connection with cash transfers shall be borne by the Customer. If payment is made by bank transfer or bill of cheque the day that the amount is credited to the Company's account or the day the bill of cheque is cashed shall be deemed the day of receipt of payment. In the event of default, interest on arrears at 3% above the relevant rate issued by the Austrian National Bank shall be agreed. Any higher loss of interest or loss on exchange shall be reimbursed by the Customer. Furthermore all abatements and discounts terminate in case of legal claim of amounts owed and the gross list prices are regarded as owed.

(5) If payment even of one single instalment or payment is overdue the Customer shall be deemed to be in default and all invoices and outstanding payments shall fall due immediately without the Company being obliged to issue express notification that immediate payment is required. This shall also apply in the event of a substantial deterioration of the Customer's liquidity. Also in this case the Company is entitled to withdraw from the contract after having granted an appropriate period of grace and to recover merchandise already supplied to the Customer, to demand the return of the goods or to suspend performance of outstanding deliveries or services also where these are the subject of separate orders.

(6) When withdrawal from the contract becomes effective the Customer is obliged to return the goods supplied to the Company promptly, without being expressly asked to do so and at his own expense. Further, the Customer shall provide compensation for any decrease in value and restitution for all expenses incurred to the Company in the course of performance and subsequent remedying of the contract.

(7) Unless mandatory legal requirements to the contrary subsist the Customer is not permitted to set off his claims against claims of the Company. Payments received by the Company can be used by the Company to cover the oldest outstanding delivery/service irrespective of what the Customer intends the payment to cover.

(8) Unless mandatory legal requirements to the contrary subsist the Customer has no right of retention or lien on goods of the Company.

(9) In the event that goods are to be delivered to a third country, The Company expressly reserves the right to withhold the legally valid VAT if the customer fails to comply with his obligation to properly export the goods.

Terms and Conditions

VII. Retention of title

- (1) The goods supplied remain exclusive property of the Company until all the Company's claims arising from a contract including interest, costs and fees have been settled in their entirety and unconditionally and until all other current and future financial obligations on the part of the Customer in connection with the relevant delivery/service and arising from any other deliveries or services provided by the Company have been fulfilled in their entirety. Further, ownership of goods supplied in future shall not pass to the Customer until all payments arising from earlier deliveries have been settled in full. The Customer shall, at his expense and on his initiative, take all the steps and make all the declarations rendered necessary by the prevailing situation to justify or assert the retention of title.
- (2) The sale or pledging of the retention of title goods before all financial obligations have been fulfilled in their entirety requires the express written authorisation of the Company. Apart from this the Customer hereby irrevocably offers to assign any claims arising from a possible resale of these goods to the Company to its satisfaction as conditional payment. The Company can accept this offer to assign at any time and for an indefinite period. Any fees and costs incurred in connection with this assignment shall be borne in their entirety by the Customer.
- (3) Further, until all financial obligations have been fulfilled in their entirety the Customer is not entitled to modify or process the goods supplied or to incorporate them with other products. If this is done the Company shall be entitled to sole ownership of the product resulting from the modification, processing or incorporation.
- (4) If the goods supplied are impounded or if any other claims are made on them the Customer is obliged to notify the Company without delay and to take all necessary measures at his expense to assert the Company's right to ownership. If the retention of title goods are withdrawn by the Company, the Company can require them to be placed in storage at the expense and risk of the Customer. The Customer shall reimburse the Company for all costs arising from the assertion of the Company's right to ownership.
- (5) In the event of non-payment of an amount due to the Company, or if payments are stopped or if insolvency proceedings are begun or retention of title goods are impounded the Customer shall return all retention of title goods to the Company.

VIII. Claims for compensation

- (1) The Company accepts no liability for loss or damage caused to the Customer as a result of slight negligence. To the extent that it is legally permissible, the Company accepts no liability towards the Customer for loss of earnings, damage to or loss of goodwill, damage to or loss of business opportunities, consequential damage of all kinds, other commercial losses, pure pecuniary loss, loss of interest, loss or damage arising from claims on the Customer brought by a third party and/or other loss or damage arising from or in connection with individual supply contracts or these General Terms and Conditions. In the event that a more comprehensive exemption from liability is permissible in a particular case, this shall be deemed to be agreed upon.
- (2) In the event of gross negligence the Company's liability for loss or damage shall be limited to ten times the net amount invoiced for the merchandise supplied that caused the damage.
- (3) Compensation is excluded in the case of non-compliance with any of the Company's conditions with regard to assembly, commissioning and operation.
- (4) Unless mandatory legal requirements to the contrary subsist liability for loss or damage as defined by the Austrian Produkthaftungsgesetz (product liability law) and other comparable norms irrespective of which legal system they originate from is excluded. The Customer is obliged to transfer this exemption from liability in favour of the Company to any third party receiving the merchandise. The Customer is obliged to inform its personnel continually and provably of all information and instructions supplied by the Company with its products and of legal requirements.

IX. Claims and warranty

- (1) Unless separate written agreements have been entered into in a particular case or unless mandatory legal requirements – especially pertaining to the legal relationship towards consumers under the terms of the Konsumentenschutzgesetz (consumer protection law) of the Republic of Austria of 8th March 1979 valid at the time – are applied the Company is obliged to provide warranty in accordance with the provisions of the Paragraphs (2) to (8) below. If mandatory legal requirements are applicable, these shall apply; if any other of the provisions is inapplicable, Item XIII. Paragraph (4) of the General Terms and Conditions of Business and Delivery shall apply.
- (2) The warranty period is six months from the date of the passing of the risk; the warranty period for replacement parts and improvements is three months. Warranty claims lapse within six months of the date of the complaint which must have been submitted within the stipulated time.
- (3) Notice of visible defects or missing components shall be given promptly after the moment of delivery. If such notice is not given promptly, the warranty shall not apply. Notice of hidden defects shall reach the premises of the Company by registered letter within 8 days of their detection. Any modification or processing of the merchandise being carried out either by the Customer or by a third party shall cease as soon as the defect is detected. Costs of any kind incurred to the Customer in connection with claims shall be borne exclusively by the Customer if no express written agreement regarding the sum and reimbursement of such costs was entered into with the Company before these costs were incurred. If notice of a defect is not given within the stipulated time the merchandise shall be deemed to have been accepted unconditionally, in accordance with the terms of the contract and free of defects.
- (4) If notice of a defect is given within the stipulated time the Company's liability is limited to rectification or replacement of the merchandise at its option. The Company shall be granted sufficient time, which shall be at least one month, to effect such rectification or replacement. If the rectification or replacement incurs unreasonable costs to the Company, the Company may satisfy a warranty claim by granting an appropriate price reduction. If the defect is not minor the Company can demand the cancellation (rescission) of the contract. In the event of price reductions and rescission the Company satisfies its obligations if it grants the Customer credit of a sum corresponding to the amount claimed by the Customer as a result of the defect. If the Customer is not present at the time and place agreed for rectification of the merchandise due to circumstances within the Customer's control or if the Customer hampers rectification or replacement or makes rectification or replacement impossible, the Customer shall be deemed to have waived his warranty claims.
- (5) The costs incurred as a result of the above-mentioned measures shall, with the exception of shipping and handling of replacement parts and/or replacement products, be borne by the Customer (additional charge).
- (6) The Company shall not be obliged to rectify the defect as long as the Customer has not settled all payments including a possible additional charge.
- (7) If the Company is at fault, it shall be liable to provide compensation only in the case of gross negligence or intent but not in the case of slight negligence. In the event that compensation is provided, the above mentioned provisions shall apply in accordance with Paragraph (4).
- (8) The Company shall not provide warranty if the merchandise is used in a way that is not common practice, if the defect is caused by the Customer or a third party or if the Customer or a third party has manipulated or repaired the merchandise himself. The warranty does not apply to consumables or to wear and tear parts.
- (9) If installations are carried out by a non licensed electrical installation company warranty shall be void.

X. Documents

Documents (e.g. invoices, refusal of an order etc.) that are sent to the Customer at the address last given by him shall be deemed to have been received by him in every case unless the Customer has informed the Company of his new address in writing and in good time. If there is still a change of a document (bill), the company will allocate a overall charge of net EUR 25,-.

XI. Data protection

- (1) The customer acknowledges that all data in the contract pertaining to the customer are stored, used and processed by the seller for the purpose of accounting, credit checks and the customer's case. The data is used by the seller to comply with legal requirements, the handling of payment transactions and for advertising purposes.
- (2) The customer has a right to free information about his personal data stored by the seller and, if necessary, a right to correct, delete and block the same.

XII. Applicable law, place of jurisdiction and severability clause

- (1) 6134 Vomp is hereby agreed to be the sole and exclusive place of performance of all deliveries/services performed by either party and all payments made by either party.
- (2) All contracts concluded between the Company and the Customer and all claims arising from the existence or non-existence of these contracts shall be governed by the laws of the Republic of Austria with the exception of the Austrian International Private Law and the UN Convention on International Contracts for the Sale of Goods.
- (3) The sole and exclusive legal venue for all disputes in connection with this contract shall be the materially competent court for 6134 Vomp. However, the Company shall have the right to bring legal action against the Customer also at an alternative legal venue in Austria or abroad.
- (4) If any of the foregoing individual provisions of these General Terms and Conditions of Business and Delivery is inapplicable or becomes inapplicable the parties to the contract hereby expressly undertake to agree to replace the invalid provision with an admissible provision that corresponds as closely as possible to the economic purpose of the invalid provision. The invalidity of individual provisions will not affect the validity of the other provisions.
- (5) This English version is a translation. The original German version shall prevail.

12.09.2016

Conditions générales de vente

I. Généralités

(1) L'entreprise se lie contractuellement à ses clients sur la base exclusive des présentes conditions commerciales générales et conditions générales de livraison. Le client renonce à imposer ses propres conditions en substitution des présentes conditions commerciales générales et conditions générales de livraison. Toutefois, au cas où de semblables conditions du client auraient été imposées ou devaient l'être, ce dernier renonce à tous effets juridiques pouvant éventuellement en découler. Une fois entrées en vigueur entre l'entreprise et un client, ces conditions de l'entreprise restent en vigueur pour tous contrats futurs entre ces derniers. Pour être valable, toute abrogation de contrat, rajout ou amendement doivent être formulés par écrit.

(2) En l'absence de pouvoirs écrits de l'entreprise, ses collaborateurs ont interdiction de conclure tout accord abrogeant ces conditions, y ajoutant ou les modifiant. Au cas où de semblables engagements auraient une valeur contraignante pour l'entreprise aux termes de la loi sur la protection du consommateur, celui-ci pourra à tout moment résilier le contrat.

(3) Le client n'est pas autorisé à transférer à un tiers ses droits et obligations aux termes du contrat le liant à l'entreprise sans l'accord écrit de ce dernier. Tous les documents commerciaux et techniques créés par l'entreprise ou remis par cette dernière, représentent des supports de vente et demeurent la propriété de l'entreprise. Toute extension et exploitation nécessite l'accord écrit de l'entreprise. Les supports de vente ne peuvent être utilisés qu'à des fins de présentation et de commercialisation des produits de l'entreprise. En particulier, on ne permettra pas à des tiers d'accéder à ces documents. L'entreprise est libre d'exiger la restitution de ces documents et informations relatives à la vente sans avoir à motiver sa décision.

II. Offres

(1) Les offres adressées par le client à l'entreprise ne sont acceptées par cette dernière que sur déclaration écrite d'acceptation ou par exécution de fait. Le client présentant une offre est lié par celle-ci pour une durée de 4 semaines à réception de son offre par l'entreprise.

(2) Les offres de l'entreprise ainsi que la teneur de tous autres documents commerciaux (devis, circulaires, catalogues, listes de prix, prospectus, encarts, illustrations, etc.) sont strictement non contractuels et donnés à titre indicatif ; ils peuvent être modifiés et révoqués par l'entreprise. Les prix annoncés pour une offre ne valent que pour une commande portant sur l'ensemble des marchandises et quantités proposées.

III. Livraison et conditions de livraison

(1) Sauf s'il en est convenu autrement, de façon expresse et par écrit, les délais et dates de livraison ne sont pas contractuels et sont donnés à titre indicatif. Le délai de livraison court à partir de la conclusion juridiquement valable du contrat correspondant. Il ne saurait cependant courir avant que tous les détails concernant la préparation et l'exécution n'aient été entièrement réglés et avant le versement de l'acompte convenu. En cas de modification ultérieure du contrat correspondant, l'entreprise pourra également, sur accord écrit contraignant, revoir les délais et dates de livraison.

(2) Lorsque les marchandises doivent être livrées par l'entreprise à un emplacement spécifique en vertu de conventions particulières, la livraison au dit emplacement spécifique ne sera pas considérée, sauf convention expresse, comme franco de port. Le choix du moyen de transport reste à la discrétion de l'entreprise. À la remise au transporteur ou au responsable du transport, les risques et périls passent au client, indépendamment de la réception ultérieure par ce dernier. Sauf s'il en est convenu autrement de façon expresse et par écrit, la livraison est effectuée sur le territoire français pour les commandes d'une valeur de 500 EUR minimum franco domicile. Pour les envois d'un montant inférieur, une participation au paiement des frais de port s'élevant à 26 EUR sera automatiquement facturée au client à chaque envoi. L'entreprise se réserve le droit de réaliser des livraisons contre remboursement. En outre, l'entreprise pourra facturer au client un supplément à hauteur de 1% de la valeur nette des marchandises pour couvrir d'éventuels droits au titre des défauts cachés causés par le transport.

(3) Lorsque les marchandises doivent être livrées par l'entreprise à un emplacement spécifique en vertu de conventions particulières, la livraison au dit emplacement spécifique ne sera pas considérée, sauf convention expresse, comme franco de port. Le choix du moyen de transport reste à la discrétion de l'entreprise. À la remise au transporteur ou au responsable du transport, les risques et périls passent au client, indépendamment de la réception ultérieure par ce dernier.

(4) Lorsque l'exécution d'un contrat est contrariée pour raison de force majeure (par ex., grève, perturbations majeures de l'activité, ainsi que toutes circonstances compliquant la livraison de façon significative ou la rendant impossible) et que l'entreprise ne peut pas remédier à cette situation de force majeure ou ne le peut qu'au prix de mesures économiquement intolérables, l'entreprise est déliée de ses obligations contractuelles, sans que cela ne donne droit à des dédommagements pour le client. L'entreprise pourra, lorsque l'empêchement aura été levé, réaliser la livraison ou la prestation ou encore annuler la partie non encore exécutée aux termes du contrat. En ce cas, le client pourra inviter l'entreprise par lettre recommandée à préciser s'il résilie le contrat ou entend livrer dans un délai raisonnable. En l'absence de déclaration de la part de l'entreprise sous 14 jours à réception de cette requête écrite, le client pourra résilier le contrat, renonçant par là à un éventuel droit à dommages et intérêts.

(5) En cas d'absence du client à la date de livraison ou si celui-ci manque à prendre les mesures nécessaires à la réalisation de la livraison (partielle), la prestation ou la livraison sera vue comme ayant été acceptée. Les risques et périls ainsi que les frais seront dès lors assumés par le client, si ce n'était pas déjà le cas. Au cas où le client n'enlèverait pas la marchandise ou prestation prévue au contrat aux emplacements et heures appropriés, l'entreprise pourra dans tous les cas soit en reporter l'exécution, soit résilier le contrat après avoir fixé un délai supplémentaire raisonnable. En ce cas, le client répondra de tous les dommages en résultant.

(6) Au cas où l'entreprise serait responsable du retard, le client pourra, après avoir fixé un délai supplémentaire raisonnable d'au moins 14 jours, soit reporter l'exécution, soit déclarer résilier le contrat. Cette déclaration de résiliation devra être explicite et inconditionnelle, et notifiée par écrit. La résiliation du contrat ne prendra effet qu'après que l'entreprise aura par sa faute également laissé passer le délai supplémentaire. Sont expressément exclus tous droits subsidiaires, notamment à titre de dédommagement, et ce, dans la limite des dispositions légales.

(7) L'entreprise pourra conditionner le respect des délais et dates de livraison à compter de la réception des acomptes convenus à la liquidation à terme des créances en cours, à une mise au point relative aux questions demeurant en suspens, à la réunion de l'ensemble des conditions techniques et logistiques préalables ainsi qu'au respect de l'ensemble des autres obligations contractuelles, sans que cela ne dégage sa responsabilité relativement aux conséquences du retard.

(8) Les dommages liés au transport sont à communiquer à l'entreprise et au transporteur immédiatement après la réception de la livraison et de leur faire confirmer. Les dommages liés au transport qui ne seraient pas visible en l'état (vices cachés) sont à signaler au transporteur et à l'entreprise dans les 3 jours suivant la réception de la livraison. Autrement, la prise en charge des dommages liés au transport par l'entreprise est exclue.

IV. Reprise

Sous réserve de l'accord écrit exprès de l'entreprise, les reprises doivent obligatoirement faire l'objet d'un préavis écrit et ne peuvent être effectuées que sous quatre semaines à compter du jour de livraison ou de prestation. En cas d'accord de l'entreprise, il sera impérativement émis un bon de retour à retourner avec la marchandise à l'usine de l'entreprise. Il sera facturé au client au minimum 20% de la valeur des marchandises (avec un minimum de 10€) pour les produits fabriqués par l'entreprise et entreposés impeccablement suivant les techniques les plus récentes et encore conditionnés dans leur emballage d'origine. Les marchandises ordinaires ainsi que les productions spéciales, notamment les marchandises vendues sur mesure au mètre et les lampes avec laquage spécial, doivent obligatoirement être enlevées et ne peuvent faire l'objet d'une reprise, sauf s'il en est convenu autrement de façon expresse et par écrit. Les produits, dont la reprise est exclue sont marqués par le signe suivant ** sur les offres et les confirmations de commande. Dans tous les cas, les frais de transport pour reprise de toutes sortes seront entièrement à la charge du client.

V. Productions spéciales

Sur demande écrite expresse du client, l'entreprise met à la disposition de celui-ci des produits de son programme standard à titre d'échantillons. La livraison des échantillons sera facturée au client avec sa remise habituelle et avec une remise supplémentaire de 20%. Le délai de paiement convenu dans le contrat conclu entre l'entrepreneur et le client s'applique également pour les commandes d'échantillon. Lors d'une première commande, le client se devra de payer la totalité du montant avant que la marchandise ne soit livrée. Les livraisons d'échantillons ne sont pas reprises sauf accord contraire avec le directeur commercial. De nombreux échantillons sont présentés par les différents agents commerciaux de l'entreprise après prise de rendez-vous. Les produits d'éclairage de toute sorte, tels que les ampoules électriques, ne seront en aucun cas repris.

VI. Conditions de paiement

(1) Sauf s'il en est convenu autrement de façon expresse et par écrit, les prix de vente (contreparties) des marchandises de l'entreprise s'entendent départ usine, en euros nets, impôt sur le chiffre d'affaires applicable en sus, emballage inclus, mais à l'exclusion du port, des assurances, des droits de douane, taxes ou autres frais supplémentaires. Les hausses de prix entraînées par l'accroissement des coûts de production (notamment les prix des matériaux, salaires, frais généraux, etc.) entre la conclusion d'un contrat et son exécution seront facturées au client, qui les supportera. Les commandes sans mention de prix sont facturées aux prix habituels de l'entreprise en vigueur au jour de facturation. Les modifications techniques ou écarts de toute sorte par rapport aux caractéristiques prescrites devront être acceptés par le client au prix général en vigueur, dans la mesure où ils ne sont pas contraires à la destination souhaitée par le client.

(2) Sauf accord écrit contraire, le règlement des factures et des frais supplémentaires (TVA, etc.) est exigible sous 14 jours suivant la date de facture, sans déduction et sans escompte.

(3) En général, les factures sont systématiquement envoyées par voie électronique.

(4) L'entreprise n'a pas obligation d'accepter les lettres de change et/ou les chèques. Tous les frais et commissions bancaires relatifs aux virements de toute sorte sont à la charge du client. Lors d'un règlement par virement bancaire et lettre de change/chèque, le jour d'encaissement est le jour de crédit du compte ou de paiement. En cas de retard de paiement, il est convenu d'intérêts moratoires supérieurs de 3 points au taux d'escompte correspondant de la Banque nationale d'Autriche. Tout préjudice lié aux éventuels intérêts ou perte sur le change devra être remboursé. De plus, lors du recouvrement judiciaire du montant dû, les remises ainsi que toutes autres réductions sont annulées. Il est convenu que les prix dus sont les prix liste bruts.

(5) En cas de retard, même pour un seul paiement (partiel), le délai échoit et toutes les factures et créances sont dues immédiatement, sans qu'il y ait besoin d'un avis d'échéance explicite de la part de l'entreprise. Cela vaut également en cas de détérioration décisive de la situation financière du client. Dans ce cas également, l'entreprise pourra résilier le contrat après avoir fixé un délai supplémentaire raisonnable et reprendre les marchandises livrées au client, différer la remise ou retenir les livraisons/prestations en instance, également celles correspondant à des commandes supplémentaires.

(6) Après entrée en vigueur de la résiliation du contrat, le client devra retourner immédiatement à l'entreprise les marchandises déjà livrées, à ses frais, sans autre avis, compenser une éventuelle diminution de valeur et rembourser tous frais exposés par l'entreprise à l'occasion de l'exécution du contrat et de la réhabilitation.

(7) Pour autant que des dispositions légales impératives ne s'y opposent pas, le client ne pourra défalquer les créances de l'entreprise de ses propres créances. Les paiements reçus pourront être à chaque fois déduits par l'entreprise de la livraison/prestation la plus ancienne.

(8) Pour autant que des dispositions légales impératives ne s'y opposent pas, le client n'a aucun droit de rétention ou de consignation sur les marchandises de l'entreprise.

(9) Dans le cas où les produits seraient livrés dans un pays tiers, l'entreprise se réserve le droit de facturer la TVA en vigueur a posteriori, si le client n'a pas rempli ses obligations de fournir les documents douaniers appropriés.

Conditions générales de vente

VII. Réserve de propriété

- (1) Jusqu'au règlement complet et sans réserves de tous les droits de l'entreprise aux termes d'un contrat – intérêts et frais inclus –, ainsi que jusqu'à l'exécution intégrale de toutes les autres obligations présentes ou à venir du client relatives à la livraison/prestation correspondante ainsi qu'aux autres livraisons et prestations, les marchandises livrées demeurent la propriété sans réserve de l'entreprise. La propriété des marchandises objet des livraisons à venir n'est elle aussi transférée que lorsque les créances relatives aux livraisons antérieures ont été complètement réglées. Le client doit prendre à ses frais et de son plein gré toutes les mesures et fournir les explications qui s'avèrent en l'occurrence nécessaires afin de justifier ou de maintenir la réserve de propriété.
- (2) Une cession ou hypothèque des marchandises objet de la réserve avant exécution de toutes les obligations financières n'est autorisée qu'avec l'accord écrit exprès de l'entreprise. Indépendamment de cela, le client formule dès à présent l'offre irrévocable de céder de façon désintéressée à l'entreprise à titre de paiement, en cas de revente de ces marchandises, toutes les créances en découlant. L'entreprise peut à tout moment accepter cette offre de cession, sans limitation dans le temps. Toutes les taxes et frais y afférent seront intégralement supportés par le client.
- (3) En outre, jusqu'à l'exécution complète de toutes ses obligations financières, le client ne pourra pas retravailler ou transformer les marchandises livrées ou les raccorder à d'autres matériaux, sans quoi la propriété exclusive des matériaux résultant de ce travail, de cette transformation et de ce raccordement reviendra à l'entreprise.
- (4) En cas d'hypothèque ou autre utilisation des biens livrés, le client devra en informer l'entreprise sans tarder et prendre à ses frais toutes mesures en vue de la préservation du droit de propriété de l'entreprise. Si les marchandises objet de la réserve sont sélectionnées par l'entreprise, celui-ci pourra prévoir de les entreposer aux frais du client ainsi qu'à ses risques et périls. Ce dernier devra rembourser à l'entreprise toutes dépenses en rapport avec sa revendication de la propriété.
- (5) En cas de non-paiement d'une éventuelle créance de l'entreprise, de cessation de paiement, de déclaration d'insolvabilité ou de saisie de marchandises sous réserve de propriété, le client devra remettre à l'entreprise toutes les marchandises sous réserve de propriété.

VIII. Droits à dommages et intérêts

- (1) Toute responsabilité de l'entreprise pour les dommages causés au client est exclue en cas de négligence mineure. Pour autant que la chose soit légalement permise, l'entreprise décline toute responsabilité vis-à-vis du client pour le manque à gagner, la réduction ou la perte de survaleur, la restriction ou la perte d'opportunités commerciales, les dommages induits de toute sorte, les autres pertes financières, les purs dommages patrimoniaux, les pertes d'intérêts, les dommages résultant de droits de tiers sur le client et/ou les autres dommages découlant de contrats de livraison particuliers ou des présentes conditions générales ou survenus en relation avec ceux-ci. Pour autant qu'une exonération de la responsabilité subséquente soit permise dans un cas particulier, celle-ci est vue comme étant de convention expresse.
- (2) En cas de négligence grave, la garantie de l'entreprise pour les dommages est limitée à dix fois le montant facturé net des marchandises livrées à l'origine des dommages.
- (3) Tout dédommagement est exclu en cas de non-respect d'éventuelles conditions de l'entreprise pour le montage, la mise en service et l'utilisation.
- (4) Pour autant que des dispositions légales impératives ne s'y opposent pas, toute responsabilité pour des dommages aux termes de la loi sur la responsabilité du fait des produits et autres normes similaires est exclue, indépendamment de l'ordre juridique d'origine. Le client s'engage à étendre à un éventuel acheteur cette exclusion de garantie au profit de l'entreprise. Le client a l'obligation de porter à la connaissance de ses collaborateurs de façon régulière et avérée toutes informations et instructions fournies par l'entreprise conjointement à ses produits, ainsi que toutes prescriptions légales.

IX. Réclamations et garantie

- (1) Sans préjudice de conventions écrites particulières ou de l'application de dispositions légales impératives – notamment dans la relation juridique aux consommateurs au sens de la loi du 8 mars 1979 sur la protection du consommateur, dans les termes applicables, l'entreprise a une obligation de garantie conformément aux dispositions suivantes des paragraphes 2 à 8. Dans le cas où des dispositions légales impératives seraient applicables, celles-ci sont de rigueur. Dans les autres cas de nullité, le point XIII, paragraphe 4 des conditions commerciales générales et conditions générales de livraison s'applique.
- (2) La période de garantie est de six mois à compter de la transmission des risques. La période de garantie est de trois mois pour les pièces de rechange et réparations. Les droits afférents à la garantie sont prescrits au plus tard sous six mois à compter de la réclamation dans les délais impartis.
- (3) Sauf exclusion de garantie, les défauts visibles ou les parties manquantes doivent faire l'objet sans retard après remise et, pour les vices cachés, sous 8 jours à compter de leur découverte, d'une réclamation auprès de l'entreprise adressée par lettre recommandée, avec interruption immédiate de l'utilisation par le client et/ou par un tiers. Les dépenses de toute sorte exposées par le client en rapport avec des réclamations restent à la charge exclusive du client lorsque leur montant et leur remboursement n'ont pas été expressément convenus par écrit avec l'entreprise avant même leur réalisation. A défaut de réclamation dans les délais impartis, les marchandises sont considérées comme acceptées sans réserve, de manière réglementaire, et exemptes de défauts. En cas de réclamation dans les délais impartis, l'entreprise n'a qu'une obligation d'amélioration ou d'échange des marchandises, à son choix. L'entreprise dispose alors d'un délai raisonnable d'au moins un mois. Au cas où l'amélioration ou l'échange entraînerait pour l'entreprise des dépenses excessives, il pourra honorer son obligation de garantie en consentant une réduction de prix raisonnable. Au cas où le défaut serait autre que mineur, l'entreprise pourra différer la résiliation du contrat (réhibition). En cas de réduction de prix et de réhibition, l'entreprise aura honoré ses obligations en créditant le client à hauteur de ses droits conditionnels. En cas d'absence du client à la date convenue pour l'amélioration, pour des raisons qu'il devra justifier, ou s'il entrave ou rend impossible la réparation ou l'échange, cela sera considéré comme un renoncement aux droits à garantie. Le client supportera les frais cumulés suite aux mesures susmentionnées, à l'exception des frais d'expédition pour les pièces de rechange ou les marchandises de rechange (supplément).
- (4) L'entreprise n'a pas d'obligation de réparer les défauts tant que le client n'aura pas honoré ses obligations de paiement, supplément éventuel inclus.
- (5) En cas de responsabilité, l'entreprise ne se porte garant du dédommagement qu'en présence d'une négligence grave ou dol, et non en présence d'une négligence mineure. En cas de dédommagement, les règles arrêtées au paragraphe 4 ci-dessus sont de rigueur.
- (6) Toute garantie de l'entreprise est exclue en cas d'utilisation non conforme des marchandises, lorsque le défaut est le fait du client ou d'un tiers ou si des manipulations ou réparations ont été entreprises par le client ou par un tiers. Toute garantie pour les consommables et pièces périssables est exclue.

X. Documents

Les documents (p. ex., factures, rejet d'une commande, etc.) adressés au client à la dernière adresse connue communiquée par ce dernier sont considérés dans tous les cas comme lui étant parvenus, à moins que le client n'ait notifié à l'entreprise un changement d'adresse en temps voulu et par écrit. Au cas où le changement d'adresse ne serait pas mentionné entraînant le changement d'un document existant (facture), l'entreprise se réserve le droit de facturer une taxe forfaitaire de 25 EUR net.

XI. Protection des données

Le client reconnaît que les données figurant dans le contrat peuvent être enregistrées, utilisées et modifiées pour les besoins de la comptabilité, le contrôle de solvabilité et les besoins commerciaux. Les données sont utilisées, conformément à la loi applicable, pour le suivi des transactions financières et la prospection publicitaire.

XII. Choix du droit applicable, tribunal compétent et clause de sauvegarde

- (1) De convention expresse, le lieu d'exécution pour toutes livraisons/prestations et paiements bilatéraux est A-6134 Vomp exclusivement.
- (2) Pour tous contrats conclus entre l'entreprise et le client et pour tous droits découlant de l'existence ou de l'absence de ces contrats, il est convenu que le droit autrichien s'applique, à l'exception des dispositions du droit privé international autrichien et des dispositions du droit commercial des Nations Unies.
- (3) De convention expresse, le tribunal exclusivement compétent pour toutes actions en justice relatives aux conditions contractuelles est le tribunal compétent de fait en temps utile pour A-6134 Vomp. L'entreprise reste cependant libre de poursuivre le client devant un autre tribunal autrichien ou étranger également.
- (4) En cas de nullité de dispositions particulières des présentes conditions commerciales générales et conditions générales de livraison, les parties au contrat s'engagent expressément par les présentes à appliquer les dispositions juridiquement valables les plus proches des objectifs économiques des dispositions nulles. La nullité de dispositions particulières est sans effet sur la validité juridique des autres dispositions restantes.

12.09.2016

Condizioni Generali e di Consegna

I. Premessa

- (1) La impresa planlicht GmbH & Co KG, di seguito azienda, stipuli contratti con i suoi clienti solamente sulla base delle Condizioni Generali e di Consegna. Il cliente rinuncia al cambiamento delle Condizioni Generali e di Consegna presente mediante l'invio di condizioni proprie. Ciononostante, l'invio di condizioni avviene o è avvenuto dalla parte del cliente, esse rinuncia all'efficienza giuridica originante delle sue condizioni. Condizioni dall'azienda, una volta stabilite tra l'azienda e il cliente, applicano per tutti i contratti futuri tra entrambi. L'annullamento, adattamenti complementari o emendamenti di contratti valgono solamente in forma scritta.
- (2) Senza la conferma scritta dell'azienda, i lavoratori non hanno il diritto di confermare, annullare, cambiare o aggiungere elementi alle presenti condizioni; nel caso che ci siano vincolanti secondo la legge di protezione di consumatori, ha il diritto di rescindere il contratto in qualsiasi momento.
- (3) Il cliente non ha il diritto di trasferire diritti e obbligazioni contrattuali con l'azienda senza la conferma scritta di essa. Tutti i documenti commerciali o tecnici creati o consegnati dall'azienda sono materiale per assistere la vendita e rimangono proprietà di essa. Ognuna propagazione o utilizzazione pretende la conferma scritta della ditta. Materiale per assistere la vendita deve utilizzato solamente per la presentazione e commercializzazione dei prodotti dell'azienda. In particolare, i documenti non devono tenuti a disposizione. L'azienda ha il diritto di pretendere la restituzione del materiale e i documenti commerciali o tecnici senza ulteriori informazione o senza fornire giustificazioni.

II. Offerte

- (1) Le offerte ricevute dalla parte del cliente accetta il committente solamente con una conferma scritta di accettazione da parte dell'azienda o mediante l'adempimento effettivo; l'offerta dal cliente è vincolante per quattro settimana dopo la ricevuta dall'azienda.
- (2) Le offerte dall'azienda come anche il contenuto di qualsiasi documenti commerciali (preventivo delle spese, lettere circolare, cataloghi, liste dei prezzi, dépliant, annunci, immagini, ecc.) sono non-vincolanti e non-impegnativi in linea di principio e possono essere cambiati e revocati da parte dell'azienda. Le calcolazioni dell'offerta applicano solamente nel caso dell'ordinazione di tutta la merce rispettivamente la merce e quantità offerta.

III. Consegna e condizioni di consegna

- (1) Allorché non è stato convenuto nessun altro accordo, il termine per la consegna e altri termini sono non impegnativi e non vincolanti. Il termine di consegna inizia con la conclusione di contratto giuridicamente valida, ma non prima della chiarificazione di tutti i dettagli in riguardo alla pianificazione e alla effettuazione e non prima della effettuazione dell'acconto accordato. Nel caso di una modificazione retroattiva del rispettivo contratto l'azienda abbia il diritto di modificare i termini e la data di consegna in modo unilaterale secondo i cambiamenti, indipendentemente di conferme vincolanti per iscritto.
- (2) In mancanza di un diverso accordo resta inteso che i servizi dell'azienda sono franco fabbrica (magazzino) e per conto e rischio del cliente; la suddetta condizione applica anche per consegne parziali. Nel caso che sia concordato il ritiro da parte del cliente, il rischio passa al cliente nel momento in cui la merce sia messa a disposizione per il ritiro. Se il cliente non ritira la merce come concordato, il rischio passa al cliente con la data di ritiro concordato e il cliente è responsabile per tutte le spese dell'immagazzinamento, sia da parte dell'azienda o da parte di terzi. Se la merce è da consegnare a un luogo precisato in conseguenza di un accordo separato, la consegna, senza altri accordi, non è franco di nolo. Il committente è libero di scegliere il mezzo di trasporto. Con la consegna al trasportatore o vettore passa il rischio al cliente, indipendentemente della consegna posteriore al cliente. Per la consegna e l'adempimento del termine di consegna nei nostri mercati principali in Austria, Alto Adige, Svizzera, Germania, Francia, Finlandia il trasporto è pagato fino a un luogo definito (CPT) secondo la versione attuale dei INCOTERMS della camera di commercio internazionale a Parigi al giorno della conclusione del contratto. In mancanza di un accordo diverso per iscritto, la consegna a domicilio avviene in Austria da un valore d'ordinazione pari o superiori a EUR 350,- netto, in Germania, Svizzera, Alto Adige pari o superiori a EUR 750,- netto, in Francia pari o superiori a EUR 500,- netto e in Finlandia pari o superiori a EUR 1000,- netto. Le spese di spedizione per ordinazioni sotto il suddetto valore sono a carico del cliente. L'azienda si riserva il diritto di effettuare la spedizione contrassegno della merce. Inoltre, l'azienda ha il diritto di fatturare un supplemento di 1% del valore della merce netto per le spese eventuali per vizi nascosti che originano dal trasporto.
- (3) Se la esecuzione del contratto viene ostacolato da forze maggiori (p.e. scioperi, anomalie di funzionamento come anche tutte le circostanze che complicano la consegna o la rendono impossibile) e gli ostacoli non sono rimovibili da parte del committente o solo in modo economicamente insopportabilmente per l'azienda, l'azienda è liberato dalle sue obbligazioni contrattuali senza che il cliente ha il diritto a un risarcimento. L'azienda ha il diritto di continuare la consegna o al servizio dopo la cessazione dell'ostacolo o di recedere dal contratto in riguardo agli elementi contrattuali ancora aperti. Il cliente può intimare l'azienda mediante una lettera raccomandata di dichiarare se recede dal contratto o consegna entro un tempo ragionevole. Nel caso di una mancanza della dichiarazione da parte dell'azienda dopo 14 giorni dopo la ricevuta della richiesta scritta, il cliente può recedere dal contratto con la rinuncia al diritto di risarcimento eventuale.
- (4) Se il cliente è assente alla data di consegna o è in ritardo con l'esecuzione delle misure preventive necessarie per la consegna (parziale), il servizio o la consegna viene considerato/a effettuata. Il rischio e le spese passano al cliente nel caso che non sia successo già prima. Se il cliente accetta la merce o il servizio non al luogo corretto o al termine corretto, il committente ha il diritto di pretendere l'adempimento o di recedere dal contratto dopo aver concesso un periodo supplementare adeguato; in questo caso il cliente è responsabile per ogni danno causato in tal modo.
- (5) Se il committente ha causato il ritardo, il cliente ha il diritto di pretendere l'esecuzione del contratto dopo aver concesso un periodo supplementare di minimo 14 giorno o altrimenti dichiarare di recedere dal contratto. La dichiarazione del recesso deve essere menzionata per iscritto, in modo assoluto e determinato nella lettera per dichiarare il periodo supplementare. Il recesso dal contratto solamente diventa efficace, se il committente non effettua il contratto entro il termine concordato. Diritti ulteriori, in particolare dal titolo di risarcimento dei danni, sono esclusi esplicitamente, quanti giuridicamente leciti.
- (6) Il committente ha il diritto, senza conseguenze di ritardo, di condizionare l'adempimento del termine di consegna e la data di consegna dal pagamento effettuato concordato, dal pagamento puntuale dei debiti attivi, dalla chiarificazione di eventuali questioni originante a posteriori, dalla effettuazione di tutti i premissi tecnici o spaziali come anche l'adempimento di tutte le obbligazioni originante dal contratto.
- (7) In mancanza di un accordo specificato diversamente per iscritto, l'azienda ha il diritto di eseguire consegne parziali o precedente e fatturare i prodotti e servizi forniti.
- (8) Danni o vizi di trasporto visibili sono da comunicare immediatamente al vettore o al committente alla ricevuta della spedizione e devono essere confermati di essi. Danni o vizi di trasporto che non sono visibili sotto l'imballaggio, devono essere dichiarato entro tre giorni dopo la ricevuta della merce. Altrimenti, l'esecuzione di danni o vizi di trasporto viene escluso da parte dell'azienda.

IV. Rimozioni

La rimozione richiede, con riserva del consenso scritto esplicito dell'azienda, la registrazione scritta precedente e può essere realizzato solamente entro quattro settimane dopo il giorno della consegna o del servizio fornito. Nel caso che l'azienda consenta al rimozione, solamente merce di qualità sana, tecnicamente attuale e con l'imballaggio originale può essere ritornata. Secondo le spese interne, vengono fatturate al cliente minimo 20% del valore della merce (minimo EUR 10,-) come spese di manipolazione. Tutte le spese per la spedizione del ritorno e di ogni tipo sono interamente a carico del cliente.

V. Consegna di campioni

Secondo l'accordo esiste la possibilità di mettere a disposizione campioni per quattro settimane. Nel caso di una consegna di campioni il termine di pagamento viene prolungato dal periodo di prova concordato. Tutte le spese per la spedizione e il ritorno sono a carico del cliente. Campioni possono essere ritornati all'azienda e accreditati da essa se corrisponde internamente alla consegna originale, nessun montaggio meccanico è stato effettuato e la merce non è danneggiata. Lampadine di ogni tipo sono esclusi dal ritorno.

VI. Condizioni di pagamento

- (1) I prezzi (corrispettivi) per la vendita della merce del committente sono validi, se non concordato diversamente per iscritto, franco fabbrica (magazzino) in euro netto per soprappiù l'IVA lecitamente valida, incluso imballaggio ma senza spedizione, assicurazione, dogana, spese o altri spese addizionali. Aumenti dei prezzi a causa di un aumento dei costi di produzione (in particolare il costo del materiale, salari, costi generali ecc.) tra la conclusione del contratto e l'adempimento di esse vengono fatturati al cliente e sono al carico del cliente. Ordinazione senza una definizione di prezzo vengono fatturato secondo l'usuale prezzo attuale al giorno della fatturazione. Modificazioni tecniche o deviazioni delle direttive di ogni tipo sono da accettare dal cliente al prezzo usuale generalmente, se non sono contrario al causale preteso del cliente.
- (2) La retribuzione incluso tutti i costi addizionali (IVA ecc.) è, se non diversamente concordato per iscritto, in scadenza e da pagare entro 14 giorno dopo la data di fattura senza detrazione o senza sconto.
- (3) I conti vengono effettuati generalmente e unicamente in modo elettronico.
- (4) L'azienda è obbligata alla accettazione di assegni. Il pagamento mediante assegno ha luogo solamente pro solvendo. Tutte le spese e provvigioni bancari in connessione con il bonifico, di qualsiasi tipo, sono al carico del cliente. Per bonifici bancari e assegni il giorno dell'accreditamento o del rimborso dell'assegno è considerato il giorno di pagamento. Nel caso del ritardo di pagamento applicano gli interessi di mora leciti per soprappiù la tassad'ingiunzionedipagamento. Inoltre, sconti o altre riduzioni del prezzo si placano nel caso di una richiesta giuridica e valgono i prezzi brutti di listino.
- (5) Nel caso di ritardo di solo un pagamento (parziale) occorre la decadenza al termine e tutte le fatture e debiti vengono in scadenza immediatamente, senza la necessità di una richiesta di scadenza scritta da parte dell'azienda. Lo stesso applica nel caso di deterioramento dello stato pecuniario del cliente. In questo caso l'azienda ha il diritto, dopo aver concesso un periodo supplementare, di recedere dal contratto e riprendere la merce fornita al cliente, pretendere la rivendicazione o riportare la spedizione della merce o servizi in sospenso, anche riguardando altri ordini.
- (6) Dopo il recesso dal contratto è in vigore, il cliente deve ritornare la merce già spedita senza ulteriori solleciti con i costi sono a carico del cliente, effettuare la restituzione per la diminuzione di valore eventuale e rimborsare tutti gli impegni che originano al committente durante la esecuzione del contratto e la liquidazione.
- (7) Se disposizioni di legge imperative non ostino, il cliente non ha il diritto di detrarre i sui debiti con i debiti dell'azienda. Pagamenti in entrata possono essere ascritti alla consegna/il servizio più vecchia/o, indipendentemente dalla dedica del cliente.
- (8) Se disposizioni di legge imperative non ostino, il cliente non ha il diritto di ritenzione o di pegno della merce del committente.
- (9) Nel caso dell'esporto della merce in un paese terzo, l'azienda si riserva esplicitamente il diritto di mettere in conto l'IVA legale valida, se il cliente non adempie il suo dovere della documentazione di esportazione corretta.

Condizioni Generali e di Consegna

VII. Riserva di proprietà

- (1) La merce consegnata rimane proprietà in assoluto dell'azienda fino al completo pagamento incondizionato di tutti i crediti stabiliti dal contratto, inclusi gli interessi, costi e spese così come al completo adempimento di altri obblighi finanziari dell'acquirente presenti e futuri in relazione alla rispettiva fornitura/servizio, nonché sulla base di tutte le altre forniture e servizi. Anche la proprietà di merci di forniture future verrà trasferita solo dopo che i crediti di forniture precedenti sono stati completamente saldati. Il cliente deve agire e fare dichiarazioni a proprie spese e di propria iniziativa, che in funzione della situazione sono necessarie per motivare o ottenere la riserva di proprietà.
- (2) L'alienazione a terzi o pignoramento della merce soggetta alla riserva di proprietà prima del completo adempimento di tutti gli obblighi finanziari è lecita solamente con esplicito assenso scritto dell'azienda. Indipendentemente da ciò, il cliente offre di cedere irrevocabilmente tutti i crediti all'azienda alla sua soddisfazione pro solvendo, nel caso di alienazione a terzi della suddetta merce. L'azienda può accettare questa offerta di cessione in qualsiasi momento e senza limiti di tempo. Tutte le tasse e spese annesse sono interamente a carico dell'acquirente.
- (3) Fino al completo adempimento di tutti gli obblighi finanziari il cliente non è autorizzato ad elaborare e trasformare la merce fornita o di combinarla con altre merci. In caso contrario, l'azienda ha la proprietà esclusiva sulle merci risultate dalle elaborazioni, trasformazioni e combinazioni.
- (4) In caso di pignoramento o altri utilizzi della merce fornita, il cliente è obbligato ad avvertire immediatamente all'azienda e ad adottare tutte le misure a proprie spese per la tutela del diritto di proprietà dell'azienda. Nel caso in cui la merce soggetta alla riserva di proprietà, l'azienda può effettuare l'immagazzinamento della merce a carico e rischio del cliente. Esse è obbligato al rimborso di tutte le spese in relazione del fare valere del proprietà.
- (5) In caso di mancato pagamento di un credito scaduto dall'azienda, sospensione dei pagamenti, apertura del procedimento d'insolvenza e dell'esecuzione di una merce soggetta alla riserva di proprietà, il cliente è tenuto a restituire tutta la merce soggetta alla riserva di proprietà all'azienda.

VIII. Diritto al risarcimento danni

- (1) È esclusa la responsabilità dell'azienda per danni del cliente per lieve negligenza. L'azienda non risponde nei confronti del cliente, nella misura consentita dalla legge, per la perdita/mancati profitti, danni all'avviamento dell'azienda o perdite dell'avviamento dell'azienda, danni o perdite di opportunità commerciali, danni conseguenti di qualsiasi tipo, altre perdite economiche, danni patrimoniali, perdita di interessi, danni rivendicati da terzi nei confronti dell'acquirente e/o altri danni che possono insorgere da o in relazione con singoli contratti di fornitura o con queste condizioni generali. Se nel caso specifico è ammesso escludere la responsabilità in maniera più ampia, vale come concordato.
- (2) In caso di negligenza grave, la responsabilità dell'azienda per danni è limitata fino a dieci volte l'importo netto della fattura della merce fornita che ha causato i danni.
- (3) È escluso ogni risarcimento dei danni in caso di inosservanza di eventuali condizioni dell'azienda per l'installazione, la messa in esercizio e l'utilizzo.
- (4) Se disposizioni di legge imperative non ostino, è esclusa la responsabilità secondo la legge sulla responsabilità dei prodotti e altre norme comparabili, indipendentemente dal sistema giuridico da cui scaturiscono.

IX. Reclamazione e garanzia

- (1) Se disposizioni diversi non sono concordati separatamente per iscritto o disposizioni di legge imperative – in particolare nella relazione con il consumatore nel senso delle disposizioni di legge di tutela dei consumatori del 8 marzo 1979 nella versione attuale, viene applicato, l'azienda è obbligata alla garanzia. Nel caso della applicazione delle disposizioni di legge obbligatorie; nel caso in cui viene a pena di nullità applichi il punto XIII articolo (4) delle Condizioni Generali e Consegna.
- (2) Il termine di garanzia è sei mesi dopo il trapasso del rischio al cliente; il termine di garanzia per pezzi di ricambio e rettificazioni è tre mesi. La garanzia cade in prescrizione al massimo sei mesi dopo l'ammonimento entro il termine convenuto. Per il consumatori applicano le disposizioni di legge per la garanzia.
- (3) Vizi visibili, pezzi mancanti e vizi invisibili sono da ammonire immediatamente dopo la consegna per iscritto e mediante l'interruzione del lavoro proprio o da parte terza immediatamente; le spese risultante del cliente, di ogni tipo, in relazione con la reclamazione sono esclusivamente a carico del cliente nel caso che l'ammontare e il rimborso con l'azienda non sia concordato precedentemente per iscritto. In mancanza dell'ammonimento la merce viene considerata consegnata senza riserve, regolarmente e senza vizi.
- (4) Nel caso dell'ammontare entro il termine convenuto l'azienda sia obbligata solamente alla rettificazione o alla sostituzione; per questo l'azienda ha un periodo adeguato, ma minimo un termine di un mese alla sua disposizione per la rettificazione o la sostituzione. Se la rettificazione o la sostituzione significano spese sproporzionatamente per l'azienda, essa ha il diritto di concedere uno sconto adeguato a compiere la sua obbligazione di garanzia; se il vizio non è futile, l'azienda può richiedere l'annullazione (risoluzione) del contratto. Nel caso di una riduzione del prezzo e la risoluzione del contratto l'azienda adempia le sue obbligazioni, se l'azienda rilascia un credito a favore del cliente con la somma della rivendicazione del cliente. Se il cliente non è presente alla data concordata della rettificazione o rende più difficile la rettificazione o la sostituzione, il suddetto atto viene considerata la rinuncia a tutti i diritti di garanzia.
- (5) Le spese accumulate delle suddette misure sono a carico del cliente (sovrapprezzo), escluso le spese per la spedizione di pezzi di ricambio o merce di ricambio.
- (6) L'azienda non è obbligata ad azioni correttivi nel caso che il cliente viene meno al suo dovere di pagamento incluso eventuali sovrapprezzi.
- (7) Nel caso di colpevolezza l'azienda sia responsabile per la risarcimento dei danni solo in presenza di negligenza grave o dolo, ma non in presenza di negligenza leggera. Nel caso di risarcimento dei danni applichino le suddette regole secondo articolo (4).
- (8) La garanzia dell'azienda è esclusa, se la merce è stata utilizzata in modo inusuale, il vizio è stato causato dal cliente o da terzi o il cliente o terzi hanno effettuato manipolazioni o riparazioni alla merce. La garanzia è esclusa per pezzi d'uso o soggetti a usura.
- (9) La garanzia si placa automaticamente, se l'installazione non viene effettuato da una impresa elettrica certificata.

X. Documenti

Documenti (p.e. fatture, rifiuti di ordinazioni, ecc.), che vengono mandato al cliente all'indirizzo comunicato ultimamente, vengono considerati spediti, inoltre il cliente ha comunicato l'azienda il cambiamento puntuale per iscritto. Nel caso della necessità di cambiamenti di documenti (fattura), l'azienda mette in conto un forfait di EUR 25,-!

XI. Protezioni dei dati

- (1) Il cliente riconosce che tutti i dati del cliente indicati nel contratto per la fatturazione, richiedere informazioni commerciali e la evidenza dei cliente dei commessi possono essere salvato, utilizzato e processato. I dati vengono utilizzati per riempire le norme legali, per processare tutti le operazioni di pagamento o per mettere a disposizione informazione dei nostri prodotti.
- (2) Il cliente ha il diritto di informazione gratuita di tutti i dati personali salvati dai commessi come anche eventualmente il diritto di correggere o cancellare o bloccare i dati.

XII. Scelta della legge applicabile, foro competente e clausola di riserva

- (1) Il luogo d'adempimento di tutti le consegne e i servizi da entrambi le parti come anche i pagamenti è esclusivamente A-6134 Vomp.
- (2) Per tutti i contratti concordati tra l'azienda e il cliente e tutti i debiti originante di essi applica la legge austriaca, con l'eccezione delle disposizioni della diritto privato internazionale di Austria e le disposizioni della legge commerciale della ONU.
- (3) Foro competente esclusivo per tutte le controversie originante dal rapporto contrattuale è A-6134 Vomp e il tribunale responsabile; l'azienda si riserva il diritto di chiamare in causa il cliente in altri fori competente nazionali o internazionali.
- (4) Nel caso in cui alcune condizioni di queste Condizioni Generali e di Consegna siano o diventino invalide o parzialmente invalide, i contraenti dichiarano di concordare condizioni valide che si avvicina il più possibile all'interesse della parte. La validità delle altre condizioni rimane intatta.

12.09.2016

Garantiebestimmungen

Die planlicht GmbH & Co KG, Fiecht Au 25, A-6130 Schwaz / Vomp, gewährt durch ihre jeweiligen Vertriebsniederlassungen folgende Herstellergarantie von 66 Monaten auf planlicht-Produkte:

Wir garantieren gemäß den nachfolgend näher bezeichneten Bedingungen, dass unter der Marke „planlicht“ vertriebene Produkte bei bestimmungsgemäßem Gebrauch während eines Garantiezeitraums von 66 Monaten (5 ½ Jahre) ab Rechnungsdatum frei von Fabrikations- und/oder Materialfehlern sind.

1. Vorangeführt wird, dass soweit im Folgenden von Kunde gesprochen wird, der Begriff „Kunde“ als gewerblicher Händler bzw. Vertragspartner des Unternehmens planlicht anzusehen ist. Voraussetzung für die Gewährung der Garantie ist die online-Registrierung der jeweiligen Installation (Projekt, Gebäude) bis spätestens 66 Tage nach jeweiligen Rechnungsdatum auf www.planlicht.com unter dem Menüpunkt „Garantie“. Mit der jeweiligen Registrierung bestätigt der Kunde, Firmenkunde zu sein; mangelhafte, falsche oder irreführende Angaben können zu einer Aufhebung der Garantie führen. Die für diese Registrierung erforderlichen Mindestangaben von Firmenkunden beinhalten neben den Kontaktdaten des Kunden jedenfalls die Auftragsnummer sowie den Installationsort der Produkte. Wir behalten uns vor, erforderlichenfalls weitere Angaben zu verlangen.

2. Im Garantiefall ist der Kunde verpflichtet, uns innerhalb von 6 Tagen ab Feststellen, dass einzelne oder alle der für die Garantie registrierten Produkte Produktions- und/oder Materialfehler aufweisen, dies schriftlich bekannt zu geben. Sodann ist uns eine angemessene Frist für die Prüfung der Produkte zu gewähren. Sollte dafür die Rücksendung der betreffenden Produkte an uns erforderlich sein, sind die Kosten dafür vom Kunden zu tragen. Treten Bedenken am Vorliegen des behaupteten Mangels oder daran auf, dass der behauptete Mangel auf einen von dieser Garantie umfassten Fabrikations- und/oder Materialfehler zurückzuführen ist, trägt die Beweislast für das Vorliegen des Mangels und/oder die Kausalität eines von dieser Garantie umfassten Fabrikations- und/oder Materialfehlers der Kunde; dieser hat die entsprechenden Nachweise zu erbringen und externe Kosten der Überprüfung (z.Bsp. Gutachten) unabhängig von deren Ausgang bzw. Ergebnis zu tragen.

3. Die Garantie gilt für andauernde Fehlfunktionen von Produkten, die auf wesentliche Produktions- und/oder Materialfehler zurückzuführen sind, soweit sie die Nennausfallsrate übersteigen. Die Nennausfallsrate beträgt bei elektronischen Betriebsgeräten und Bauteilen wie etwa LEDs 0,2%/1000 Betriebsstunden, wenn in den Produkt- und Anwendungsspezifikationen nichts Gegenteiliges festgelegt wurde und soweit nicht ausdrücklich etwas anders angegeben wurde. Außerdem gelten bei LED-Modulen ein Lichtstromrückgang von bis zu 1,0%/1000 Betriebsstunden sowie eine Lichtfarbpunktverschiebung über die Lebensdauer als normal und dies fällt nicht unter die Garantie.

Es kann aufgrund des technischen Fortschritts und der nutzungsbedingten Veränderung des Lichtstroms zu Abweichungen in den Lichteigenschaften gegenüber dem ursprünglichen Produkt kommen, wenn LED Module ersetzt werden.

4. Diese Herstellergarantie ist eine Ersatzteilgarantie. Sämtliche Ersatzprodukte oder -teile können neue oder wiederverwertete Materialien enthalten, die im Vergleich zu neuen Produkten oder Teilen hinsichtlich Leistung und Zuverlässigkeit gleichwertig sind. Hinsichtlich Design oder Abmessungen kann das Ersatzprodukt vom ursprünglichen Produkt abweichen. Wir garantieren, dass Ersatzprodukte oder -teile für die restliche Zeit des anwendbaren Garantiezeitraums für das Produkt, das ersetzt wird bzw. in dem sie eingebaut werden, keine Herstellungsmängel oder Materialfehler aufweisen.

5. Die Garantie bezieht sich nur auf Produkte,

- a) die gemäß den Produkt- und Anwendungsspezifikationen (Produktdatenblätter, Kataloge oder ähnliches) verwendet wurden und fachmännisch gemäß Montageanleitung durch ein konzessioniertes Elektrounternehmen installiert und in Betrieb gesetzt wurden;
- b) an denen keine Änderungen oder Reparaturen vorgenommen wurden, zu denen wir nicht unsere schriftliche Zustimmung gegeben haben;
- c) deren Grenzwerte für externe Einflussfaktoren, wie Temperaturen und Spannungen, nicht überschritten wurden und die keinen nicht bestimmungsgemäßen mechanischen Belastungen ausgesetzt wurden;
- d) die vom Kunden ordnungsgemäß und entsprechend den im Kaufvertrag vereinbarten Zahlungsbedingungen bezahlt wurden;
- e) die ausschließlich mit Leuchtmittel ausgestattet wurden, die den geltenden IEC-Spezifikationen entsprechen;
- und
- f) deren Wartungsanforderungen fachmännisch Genüge getan wurde.

6. Die Garantie bezieht sich nicht auf

- a) alle im Zusammenhang mit der Mängelbehebung entstehenden Nebenkosten, wie z.B. für Ein- und Ausbau, Transport des fehlerhaften und des reparierten bzw. neuen Produkts, Entsorgung, Fahrt und Wegzeit, Hebevorrichtung, Gerüste, Verdienstausfall, Pönalen, Gutachterkosten, Mängelnachweis bzw. Neuinbetriebnahme;
- b) normale Abnutzung und Verschleiß sowie Verschleißteile, wie beispielsweise alle Standard-Leuchtmittel und Batterien; ebenso Ventilatoren in Produkten mit LED-Leuchtmitteln, Softwarefehler, Bugs oder Viren;
- c) Oberflächenbeschichtungen bzw. Kunststoffteile aus z.B. Polycarbonat und PMMA, die sich aufgrund des natürlichen Alterungsprozesses verfärben oder verspröden;
- d) vorsätzliche oder fahrlässige Beschädigungen;
- e) Sonderfertigungen, bei denen wir nach vom Kunden vorgelegten Plänen, Zeichnungen und Spezifikationen arbeiten;
- f) Konstruktionsfehlern;
- e) Einstellungen bzw. Parametrierungen an Anlagen, die sich aufgrund von Verschleiß, Ermüdung oder Verschmutzungen verändern;
- f) Abweichungen des Produkts von Abbildungen oder Angaben in unseren Katalogen oder sonstigen Verkaufsunterlagen;
- g) Mängel, die auf unvorhergesehene und unvorhersehbare Vorkommnisse, wie Zufall und/oder höhere Gewalt (einschließlich elektrische Entladungen, Blitze) zurückzuführen sind und bei denen ein Bezug auf Mängel im Herstellungsprozess des Produkts auszuschließen ist;
- und
- h) elektronische Komponenten bzw. Produkte, die planlicht als Handelsware vertreibt.

7. Es steht uns frei, den Mangel zu beheben oder einen von uns gewählten Ersatz in Form gleicher oder gleichwertiger Produkte zu leisten oder den Kaufpreis zu mindern bzw. zu erstatten, wenn sich nach Prüfung eines als Garantiefall gemeldeten Produkts herausstellt, dass es die behaupteten Mängel aufweist und diese durch die Garantieerklärung gedeckt sind. Der Kunde trägt alle mit der Garantieleistung entstehenden Nebenkosten, siehe insbesondere, aber nicht ausschließlich Punkt 6.a).

Auch für im Rahmen der Garantieleistung notwendige Neuinbetriebnahmen, Softwareneueinstellungen oder Softwareupdates trägt der Kunde die Kosten.

8. Schlussbestimmungen

- a) Diese Garantie gilt nur für Produkte mit einem Lieferdatum ab 01.09.2014.
- b) Wir übernehmen keine über diese Garantie hinausreichende Haftung. Insbesondere haften wir im Rahmen dieser Garantie nicht für etwaige mittelbare Schäden, Sonder- oder Folgeschäden, Vermögensschäden einschließlich dem Verlust tatsächlicher oder erwarteter Gewinne, Zinsen, Erträge, erwarteter Einsparungen oder Geschäfte, Schädigungen des Firmenwerts, und Schäden jeglicher Art, die Dritten entstanden sind. Neben dieser Garantie bleibt unsere vertragliche Gewährleistung jedoch unverändert aufrecht.
- c) Die Haftung aus dieser Garantie ist auf den Kaufpreis der betroffenen Produkte beschränkt. Sie ist gegenüber einer Haftung aus anderen rechtlichen Gründen subsidiär. Ein Anspruch auf zusätzliche bzw. den tatsächlichen Schadensbetrag erhöhende Leistungen oder Zahlungen kann nicht aus dieser Garantie hergeleitet werden.
- d) Der Kunde kann die Garantie bzw. seine Rechte daraus nur mit unserer schriftlichen Zustimmung übertragen. Dritte haben kein Recht, eine der in dieser Garantie enthaltenen Bestimmungen durchzusetzen.
- e) Es gilt das österreichische Recht. Die Bestimmungen des UN-Kaufrechts finden keine Anwendung.
- f) Gerichtsstand für alle Streitigkeiten, die sich aus dieser Garantieerklärung ergeben, ist je nach Streitwerthöhe Schwaz oder Innsbruck.
- g) Für den Fall, dass einzelne Bestimmungen dieser Garantieerklärung ganz oder teilweise unwirksam sind oder werden, wird dadurch die Gültigkeit der übrigen Bestimmungen nicht berührt. Die gänzliche oder teilweise unwirksame Bestimmung wird durch eine gültige ersetzt, die dem Parteiwillen möglichst nahe kommt. Mündliche Nebenabsprachen gelten als unwirksam.



Warranty Conditions

The planlicht GmbH & Co KG, Fiecht Au 25, A-6130 Schwaz / Vomp grants the following manufacturer's guarantee of 66 months by their respective sales offices on products of planlicht:

In accordance with the following terms and conditions described in more detail below, we warrant that products distributed under the trademark "planlicht" are free of production and/or material defects during the guarantee period of 66 months (5 ½ years) counting from the invoice date in case of proper use.

1. Please note that insofar it is referred to customers in the following, the term "customer" signifies commercial dealer or, respectively, contractual partner of the company planlicht. Prerequisite for the granting of the guarantee is that the respective installation (project, building) has been registered online within 66 days at the latest upon the respective date of invoice under www.planlicht.com under the menu item "guarantee". With the respective registration, the customer confirms being a corporate customer; the provision of inadequate, false or misleading information may lead to the withdrawal of the guarantee. Besides the contact details of the customer, the minimum information on the corporate customers required for the registration in any case includes the order number as well as the installation site of the products. We reserve the right to ask for further information, if necessary.

2. In case of the occurrence of the guaranteed event, the customer is obliged to notify us within 6 days upon discovery of the defect in writing of the fact that individual or all of the products registered for the guarantee show production and/or material defects. Thereafter, we shall be granted an adequate period of time to verify the products. Should it therefore be necessary to return the products concerned to us, the costs thereof shall be borne by the customer. Should concerns appear regarding the existence of the alleged defects or regarding the fact that the alleged defect is attributable to a production and/or material defect covered by the guarantee, the customer shall bear the burden of proof regarding the existence of the defect and/or the causality of a production and/or material defect covered by this guarantee; same has to provide the respective evidence and bear the external costs of the verification (e.g. expert's opinions) independent of their outcomes or their result.

3. The guarantee covers persistent malfunctions of products that are attributable to substantial production and/or material defects, in so far as they exceed the nominal failure rate. The nominal failure rate is 0.2%/1000 operating hours with electronic operating devices and components such as LEDs, unless otherwise determined in the product and application specifications and unless specified expressly otherwise. Furthermore, a reduction in luminous flux of up to 1.0%/1000 operational hours as well as a colour point shift over the life span of LED modules shall be deemed normal and this shall not be covered by guarantee.

Deviations regarding the properties of the light may occur in relation to the original product, in case that LED modules are replaced, due to the technological progress and the usage-related alterations of the luminous flux.

4. This manufacturer's guarantee is a spare-part guarantee. All substitute products or spare-parts may contain new or recycled materials that are equivalent to new products or parts as regards their performance and reliability. As regards design or dimensions, the substitute product may deviate from the original product. We warrant that the substitute products or spare-parts do not show any production or material defects during the remaining warranty period applicable on the product that is replaced or, respectively, in which they are installed.

5. The guarantee solely applies to products

- a) that were used in accordance with the product and application specifications (product data sheets, catalogues or similar) and that were installed and put into operation in a professional manner by a licensed electro-enterprise;
- b) were not subject to changes or repair in which we did not consent in writing;
- c) the threshold limit value for external influencing factors of which, such as temperature and tension, were not exceeded and that were not exposed to mechanical stress that does not correspond to their designated use;
- d) that were duly paid by the customer in accordance with the payment conditions agreed upon in the purchase contract;
- e) that were exclusively equipped with lamps that correspond the IEC specifications applicable;
- and
- f) the servicing requirements of which were satisfied by a professional.

6. The guarantee does not apply to

- a) all incidental costs in connection with the rectification of defects, such as for example costs for assembly and disassembly, transport of the defective and the repaired or, respectively, the new product, disposal, travel and travel time, lifting device, scaffolds, loss of earnings, penalties, expert's costs, proof of defects or, respectively, new start-up;
- b) normal wear and tear as well as wear parts, such as for example all standard lamps and batteries; also fans in products with LED lamps, software errors, bugs or viruses;
- c) surface coatings or, respectively plastic components made of, e.g. polycarbonate and PMMA, which discolour or become brittle due to the natural aging process;
- d) intentional or negligent damage;
- e) custom-made devices where we work based on the plans, drawings and specifications presented by the customer;
- f) construction errors;
- e) [sic.] adjustments or, respectively parameterization of facilities that change due to wear, fatigue or contamination;
- f) [sic.] deviations of the product from illustrations or information provided in our catalogues or in other sales documents ;
- g) defects that are attributable to unforeseen and unforeseeable events, such as hazard and/or force majeure (including electrical discharges, lightning) and where a connection with defects during the production process of the product can be excluded;
- and
- h) electronic components or, respectively products that are distributed by planlicht as trade goods.

7. We shall be free to remedy the defect or to replace - in a freely chosen form - the product by the same or similar or to reduce or, respectively, reimburse the purchase price if it turns out after verification of the product which was notified to be subject to guarantee that it is affected by the alleged defects and that these are covered by the declaration of guarantee. The customer bears all incidental costs incurred due to the performance of the guarantee obligation, see in particular, but not exclusively point 6.a).

The customer shall also bear the costs for new start-ups, software installations or software updates necessary in the course of the fulfilment of the guarantee obligation.

8. Final provisions

- a) This guarantee shall only be applicable to products with a delivery date as of 01-09-2014.
- b) We shall not assume any liability exceeding this guarantee. We are in particular not liable under this guarantee for any indirect damages, special or consequential damages, financial losses, including the loss of actual and expected profits, interests, income, expected savings or deals, damages to goodwill and damages of any kind whatsoever that were inflicted on third parties. Our contractual guarantee obligation shall however be not affected by this guarantee.
- c) The liability resulting from this guarantee is limited to the purchase price of the products concerned. It is subsidiary to the liability out of any other legal title. An entitlement to claim any additional performance or payment or, respectively, any performance or payment actually increasing the damage sum cannot be deduced from this guarantee
- d) The customer may only transfer the guarantee or, respectively, his rights thereof with our written consent. Third parties are not entitled to enforce one of the conditions contained in this guarantee.
- e) Austrian law is applicable. The provisions of the UN Sales Convention are not applicable.
- f) Place of jurisdiction for all disputes resulting from this guarantee declaration shall be Schwaz or Innsbruck, depending on the value of litigation.
- g) In case that an individual provision of this guarantee declaration are or become invalid in parts or in whole, the validity of the remaining provisions shall not be affected thereby. The provision which is invalid in parts or in whole shall be replaced by a valid one that comes closest to the intention of the parties. Oral side agreements are invalid.



Les Conditions de Garantie

La planlicht GmbH & Co KG, Fiecht Au 25, A-6130 Schwaz / Vomp accorde la garantie du fabricant suivante par voie de ses filiales de distribution respectives pour une durée de 66 mois sur les produits de planlicht:

Conformément aux conditions spécifiées ci-après, nous garantissons que les produits vendus sous la marque « planlicht » sont exempts de défauts de fabrication et de matériaux lors d'un usage adéquat pendant une période de garantie de 66 mois (5 ans et demi) comptée à partir de la date de la facture.

1. En premier, il convient de noter que dans la mesure où on parle par la suite de client, le terme « client » signifie revendeur commercial ou, respectivement, cocontractant de l'entreprise planlicht. Une condition préalable pour l'octroi de la garantie est l'enregistrement en ligne de l'installation respective (projet, bâtiment) au plus tard dans un délai de 66 jours à partir de la date de la facture respective sous www.planlicht.com sous l'option de menu « garantie ». Par l'enregistrement respectif, le client confirme sa qualité de client d'entreprise; la production d'informations déficientes, inexacts ou trompeuses peut mener à la suppression de la garantie. Les informations minimales nécessaires lors de l'enregistrement de clients commerciaux contiennent, outre les coordonnées du client, en tout cas le numéro d'ordre ainsi que le lieu de l'installation des produits. Nous nous réservons le droit de demander de plus amples informations, si nécessaire.

2. En cas de garantie, le client est obligé de nous indiquer par écrit tous les défauts de fabrication et/ou de matériaux concernant tous les produits ou d'individuels produits enregistrés pour bénéficier de la garantie dans un délai de 6 jours à partir de leur constatation. Ensuite, un délai approprié devra nous être accordé afin de pouvoir vérifier les produits. Au cas où il serait nécessaire de nous renvoyer les produits concernés, les frais seront supportés par le client. Au cas où des doutes se feraient jour quant à l'existence des défauts allégués ou quant au fait que le défaut allégué soit dû à un défaut de fabrication et/ou de matériaux couvert par cette garantie, la charge de la preuve concernant l'existence du défaut et/ou le lien causal d'un défaut de fabrication et/ou de matériaux couvert par cette garantie incombe au client; celui-ci doit présenter les preuves correspondantes et supporter les coûts externes de la vérification (par exemple de l'expertise), indépendamment de son issue ou, respectivement, du résultat.

3. La garantie couvre les dysfonctionnements permanents de produits qui résultent de défauts essentiels de fabrication et/ou de matériaux dans la mesure où ils dépassent le taux de défaillance nominal. Le taux de défaillance nominal d'appareillages électroniques et de composants, comme par exemple de LED, est de 0,2%/1000 heures de fonctionnement, sauf indication contraire des spécifications de produits et d'application et sauf indications expresses contraires. De plus, une dépréciation du flux lumineux allant jusqu'à 1,0%/1000 heures de fonctionnement ainsi que le décalage des points lumineux tout au long de la durée de vie sont normaux au niveau des modules LED et ceci n'est pas couvert par la garantie. Des déviations des caractéristiques d'éclairage peuvent se produire suite au progrès technologique et aux changements du flux lumineux liés à son exploitation par rapport au produit d'origine si le module LED est remplacé.

4. Cette garantie du fabricant est une garantie de pièces de rechange. Tous les produits de remplacement ou toutes les pièces de remplacement peuvent contenir de nouveaux matériaux ou des matériaux recyclés qui sont – comparés aux nouveaux produits ou aux nouvelles pièces – équivalents en ce qui concerne leur performance et leur fiabilité. En ce qui concerne le design ou les dimensions, le produit de remplacement peut dévier du produit d'origine. Nous garantissons que les produits de remplacement ou les pièces de remplacement sont exempts de défauts de fabrication ou de matériaux pendant la période de garantie restante applicable au produit qui est remplacé ou, respectivement, dans lequel ils/elles sont incorporé(e)s.

5. La garantie couvre seulement des produits

- a) qui sont utilisés conformément aux spécifications du produit et de l'application (fiches techniques du produit, catalogues ou similaire) et qui ont été installés et mis en service de manière professionnelle conformément aux instructions de montage par une entreprise concessionnaire d'électricité;
- b) qui n'ont pas été modifiés ou réparés sans avoir obtenu par écrit notre consentement;
- c) dont les valeurs limites pour les facteurs d'incidence externes, comme les températures et les tensions, n'ont pas été dépassées et qui n'ont pas été exposés à un stress mécanique d'une manière ne répondant pas à la conformité de l'emploi;
- d) qui ont été dûment payés par le client et conformément aux conditions de paiement convenues dans le contrat de vente;
- e) qui sont équipés exclusivement d'agents lumineux qui correspondent aux spécifications de la CEI applicables;
- f) qui ont été entretenus d'une manière professionnelle

6. La garantie ne couvre pas

- a) tous les coûts accessoires liés à l'élimination des défauts, comme par exemple les coûts du montage et du démontage, du transport du produit défectueux et du produit réparé ou, respectivement, du produit neuf, de la gestion de déchets, du trajet et de la durée du trajet, de l'appareil de levage, des échafaudages, de la perte de revenus, des pénalités, des frais d'expert, de la preuve de défauts ou, respectivement d'une nouvelle mise en service;
- b) l'usure normale et la dégradation ainsi que les pièces d'usure, comme par exemple tous les agents lumineux standards et toutes les piles; de même pour les ventilateurs incorporés dans les produits avec des agents lumineux LED, des erreurs logicielles, des bugs ou des virus;
- c) les revêtements de surface ou, respectivement, les pièces en matière plastique faits, par exemple, à partir de polycarbonate et PMMA, qui se décolorent ou se fragilisent en raison du processus de vieillissement naturel;
- d) les endommagements intentionnels ou négligents;
- e) les fabrications spéciales où nous travaillons sur la base des plans, des illustrations et des spécifications produits par le client;
- f) les erreurs de construction;
- g) [sic.] les réglages ou, respectivement, les paramétrages des installations qui changent suite à l'usure, la fatigue ou la pollution;
- h) [sic.] les déviations du produit par rapport aux illustrations ou aux renseignements fournis dans nos catalogues ou dans d'autres de nos documents de vente;
- i) les défauts qui résultent d'événements imprévus et imprévisibles, comme le hasard et/ou la force majeure (y compris des décharges électriques, des coups de foudre) et où on peut exclure qu'il n'existe aucun lien avec des défauts dans le processus de fabrication du produit; et
- j) les composants électriques ou, respectivement, les produits qui sont distribués par planlicht en tant que marchandise.

7. Nous pouvons, à notre entière discrétion, éliminer le vice ou faire un remplacement – d'après notre choix – sous forme de produits identiques ou équivalents ou réduire le prix d'achat ou, respectivement, le rembourser au cas où il apparaît après vérification du produit notifié comme étant un cas de garantie que celui-ci présente les vices allégués et que ceux-ci sont couverts par la déclaration de garantie. Le client supporte tous les coûts accessoires résultant de l'octroi de garantie, voir notamment mais non exclusivement le point 6.a).

Les coûts liés aux nouvelles mises en service, installations de logiciels ou mises à jour de logiciels nécessaires au cours de la prestation de garantie sont supportés par le client.

8. Dispositions finales

- a) Cette garantie ne s'applique qu'aux produits portant la date de livraison à partir du 01/09/2014.
- b) Nous n'assumons aucune responsabilité en dehors de la garantie. En particulier, nous n'assumons aucune responsabilité selon cette garantie pour d'éventuels dommages indirects, des dommages spéciaux ou secondaires, des dommages pécuniaires, y compris les pertes de gains réels ou prévus, les intérêts, les revenus, les pertes d'économies ou de transactions prévues, les atteintes à la valeur commerciale et les dommages de quelque nature que ce soit subis par de tierces personnes. En plus de cette garantie, l'application de notre garantie contractuelle demeure inchangée.
- c) La responsabilité à titre de cette garantie est limitée au prix d'achat des produits concernés. Elle est subsidiaire à une responsabilité pour d'autres motifs légaux. Un droit de recevoir des prestations ou des paiements supplémentaires ou, respectivement, qui augmentent le montant du préjudice ne peut pas être déduit de cette garantie.
- d) Le client ne peut transférer la garantie ou, respectivement, ses droits y afférents qu'avec notre consentement par écrit. Les tierces personnes ne sont pas en droit de faire prévaloir des dispositions contenues dans cette garantie.
- e) Le droit autrichien est applicable. Les dispositions de la Convention de l'ONU sur la vente internationale des marchandises n'est pas applicable.
- f) Le for juridique pour tous les litiges résultant de cette déclaration de garantie est Schwaz ou Innsbruck selon la valeur en litige.
- g) Au cas où une disposition individuelle de cette déclaration de garantie serait ou deviendrait nulle partiellement ou en totalité, la validité des autres dispositions n'en serait pas affectée. La disposition nulle partiellement ou en totalité est remplacée par une disposition valide qui se rapproche le plus possible de l'intention des parties. Les ententes parallèles par voie orale ne sont pas valables.



Condizioni di Garanzia

planlicht GmbH & Co KG, Au 25, A-6134 Vomp concede mediante le sue succursali di vendita la seguente garanzia di produttore di 66 mesi per i prodotti di planlicht:

Garantiamo secondo le condizioni specificate in dettaglio nel seguente che i prodotti venduto sotto il nome "planlicht" sono privi di difetti di fabbricazione e/o di materiale nel caso dell'uso previsto durante il periodo di garanzia di 66 mesi (5 ½ anni) dopo la data di fattura.

1. Inizialmente, parlando del cliente nel contesto seguente, il "cliente" è considerato un commerciante professionale e parte contraente della ditta planlicht. La condizione della concessione di garanzia è la registrazione online dell'installazione rispettiva (progetto, edificio) al massimo 66 giorni dopo la data di fattura, registrato su "Garantie/Garanzia" su www.planlicht.com. Con la registrazione rispettiva il cliente conferma essendo cliente commerciale; un'annullazione della garanzia potrebbe risultare da dati falsi o ingannevoli. I dati obbligatori per la registrazione sono i dati di contatto del cliente, il numero dell'ordine come anche il luogo dell'installazione del prodotto. Ci riserviamo il diritto di domandare altre informazioni, se necessario.

2. Nel caso in cui abbia un caso di garanzia, il cliente è obbligato di informarci per iscritto entro 6 giorni dopo constatare il difetto che singoli o tutti i prodotti registrato per la garanzia mostrano difetti di fabbricazione e/o materiale. Poi abbiamo il diritto di un termine adeguato ad esaminare i prodotti. Se la spedizione di ritorno sarebbe necessaria, le spese e i costi della spedizione dei prodotti è a carico del cliente. Nel caso di dubbi della presenza del difetto dichiarato o del fatto che il difetto sia stato causato da un difetto di fabbricazione o materiale per lo cui applica la garanzia, il cliente ha l'onere della prova del difetto presentato e/o la causalità del difetto a lo cui applicano le condizioni di garanzia; esse deve presentare prova adeguata e deve compensare i costi per una esamezione esterna (p.e. perizia), indipendentemente dall'esito o dal risultato.

3. La garanzia applica per malfunzionamento costante di prodotti che risulta essenzialmente da errori di fabbricazione e/o materiale, nel caso in cui siano sopra la quota di guasto nominativa. La quota di guasto nominativa di apparecchi elettrici ed elementi costruttivi come i LED ammonta a 0,2%/1000 ore di funzionamento, se non c'è menzionato niente di contrario nel disciplinare di prodotto o nelle istruzioni d'uso e se è indicato esplicitamente un valore diverso. Inoltre, per i moduli LED è considerato normale una perdita di flusso luminoso di fino a 1%/1000 ore di funzionamento come anche uno spostamento del punto del colore di luce durante il tempo di funzionamento e non sono oggetti della garanzia.

A causa del progresso tecnico e del cambiamento del flusso luminoso a causa dell'utilizzazione possono sorgere deviazioni delle caratteristiche della luce in confronto al prodotto originale quando moduli LED sono sostituiti.

4. Questa garanzia del produttore è una garanzia delle parti di ricambio. Tutti i prodotti o le parti di ricambio possono contenere materiali nuovi o riciclati che sono, in confronto a prodotti o parti nuovi, equivalenti che riguarda la potenza e l'affidabilità. In quanto al disegno o le dimensioni dal prodotto di ricambio possono avvenire deviazioni dal prodotto originale. Garantiamo che i prodotti e le parti di ricambio non mostrano nessun difetto di fabbricazione e/o materiale per il resto del periodo di garanzia del prodotto lo cui sostituiscono, rispettivamente per lo cui vengono installati.

5. La garanzia applica solamente ai prodotti

a) che vengono utilizzati secondo le specificazioni di prodotto e utilizzazione (scheda tecnica del prodotto, cataloghi o simili) e che sono stati installati e messo in azione da esperti di un'impresa elettrica con la concessione secondo il manuale d'installazione;

b) a lo cui nessun cambiamento o riparazione è stato effettuato per lo cui non abbiamo dato la nostra conferma scritta;

c) dei quali valori limite per fattori esterni, come p.e. temperature e tensioni, non sono stati oltrepassati e che non sono stati esposti a carichi meccanici inadeguati;

d) i cui sono stati pagati dal cliente conforme all'ordine e corrispondente alle condizioni di pagamento concordate nel contratto d'acquisto;

e) che sono stati ardati con lampadine per le cui applicano le specificazioni vigenti della IEC (Commissione elettrotecnica internazionale) e

f) i cui esigenze di manutenzione sono state in modo professionale e/o da un esperto.

6. La garanzia non applica a

a) tutte le spese addizionali causate in relazione per porre rimedio dei difetti, come p.e. il montaggio e smontaggio, il trasporto del prodotto difettoso e riparato o del prodotto nuovo, lo smaltimento, il viaggio e il periodo di viaggio di andata e ritorno, apparecchi di sollevamento, l'impalcato, il mancato guadagno, penali, spese per periti, l'attestazione di difetti e la messa in azione nuova;

b) l'usura normale ed il logorio di pezzi soggetti all'usura, come per esempio tutte le lampadine standard e le batterie; altrettanto ventilatori in prodotti con lampadine LED, difetti software, bugs o virus;

c) la verniciatura e parti di plastica di p.e. policarbonato e PMMA, lo cui si possono scolorire od occorre un infragilimento a causa al processo di invecchiamento naturale;

d) danneggiamento premeditato o colposo;

e) costruzioni speciali, gli cui fabbrichiamo secondo i piani, disegni e specificazioni forniti dal cliente;

f) difetti di costruzione;

g) il settaggio o la parametrizzazione dell'impianto che può cambiare a causa dell'usura, fatica o imbrattamento;

h) deviazioni del prodotto dall'illustrazione e dalle specificazioni nel nostro catalogo o altri documenti di vendita;

i) difetti che originano di eventi impreveduto o imprevedibile, come caso fortuito e/o forza maggiore (incluso la scarica elettrica, fulmine) e per gli cui una relazione con un difetto nel processo di produzione possono essere escluso; e

j) componenti elettrici o prodotti che sono venduti da planlicht come parti di commercio.

7. Siamo liberi di porre rimedio ai difetti o di fornire una sostituzione in forma di scelta nostra di prodotti uguali o equivalente o di ridurre o restituire il prezzo d'acquisto, se dopo la esamezione di un caso di garanzia di cui siamo stati notificati che il difetto dichiarato è verificato e a cui applicano le presenti condizioni di garanzia. Tutte le spese e costi in relazione con la garanzia sono a carico del cliente, in particolare, ma non esclusivamente articolo 6.a).

Anche le spese per una messa in azione nuova, installazioni di software o update di software in relazione con i servizi di garanzia sono a carico del cliente.

8. Condizioni finali

a) Questa garanzia applica solamente per prodotti con data di consegna dopo il 01.09.2014.

b) Non ci assumiamo nessuna responsabilità oltre alla garanzia presente. In particolare, nell'ambito dell'applicazione della garanzia presente non assumiamo responsabilità per danni indiretti, speciali o conseguenti, danni economici che includono la perdita d'utile reale o previsto, interessi, guadagni, risparmi previsti o contratti, danni del valore dell'azienda commerciale, danni di ogni tipo che sono risultati a terzi. Oltre a questa garanzia però la nostra garanzia di qualità contrattuale resta valida inalterata.

c) La responsabilità che deriva da questa garanzia è limitata al prezzo d'acquisto del prodotto oggetto della garanzia. Essa è sussidiaria alla responsabilità derivante da altri motivi giuridici. Il diritto a servizi o pagamenti addizionali o che aumenterebbero la somma di danni reale non può derivato da questa garanzia.

d) Il cliente può trasferire la garanzia e i diritti a terzi solo con una conferma scritta da parte nostra. Terzi non hanno il diritto di applicare le condizioni della garanzia presente in qualsiasi forma.

e) Si applica il legge austriaco. Le condizioni della convenzione delle Nazioni Unite sui contratti di compravendita non vengono applicati.

f) Foro competente per ogni e qualsiasi casi che risultano da questa dichiarazione di garanzia è Schwaz od Innsbruck, dipendente dal valore del litio.

g) Nel caso in cui alcune condizioni di questa dichiarazione di garanzia siano o diventino invalide o parzialmente invalide, la validità delle altre condizioni rimane intatta. Le condizioni invalide o parzialmente invalide vengono restituite di condizioni valide che si avvicina il più possibile all'interesse della parte. Accordi accessori verbali non sono validi.



Wichtige Hinweise

Dieser Katalog richtet sich ausschliesslich an gewerbliche Kunden. Die in diesem Katalog angegebenen Werte sind Bemessungswerte und unterliegen produktionsbedingten Toleranzen*. Alle angeführten Angaben – insbesondere Grössen-, Material-, Farb- und technische Angaben – entsprechen dem Stand bei und dienen ausschliesslich zur Information. Der Herausgeber haftet nicht für Satz- und Druckfehler sowie für Abweichungen der Produkte von Abbildungen und Angaben. planlicht behält sich vor, jederzeit ohne Ankündigung Änderungen an Produkten vor zu nehmen. Es gelten die Allgemeinen Geschäftsbedingungen der planlicht GmbH & Co KG, die unter www.planlicht.com eingesehen werden können.

* Leistung, Lichtstrom und Farbtemperatur unterliegen durch den Einsatz von elektronischen Bauteilen produktionsbedingten Toleranzen.
Toleranzen Leistung und Lichtstrom: +/- 10%. Toleranz Farbtemperatur: +/- 150 K. Lichtstrom dynamisch weiss bei 2700 K.

Important remarks

This catalogue is reserved for professionals only. The values published in this catalogue are rated values, which can slightly change for reasons related to the production process*. The published data such as dimensions, materials, colours and technical data are valid at time of printing, and exclusively provided for informational purposes. The editor take no responsibility for typographical and print errors, as well as for any differences in the products, pictures and data. planlicht reserves the right to change the products at any time and without any notice. The Terms and Conditions of planlicht GmbH & Co KG (available on www.planlicht.com) shall apply.

* The power output, luminous flux and colour temperature can be slightly different due to specific electronic components used in the manufacturing process. The power output and luminous flux can differ by +/- 10%. The colour temperature can differ by +/- 150 K. Luminous flux dynamic white at 2700 K.

Remarques importantes

Ce catalogue est exclusivement destiné aux professionnels. Les valeurs publiées dans ce catalogue sont des valeurs calculées, pouvant légèrement changer pour des raisons liées au processus de fabrication*. Les données techniques et autres informations (dimensions, matériaux, couleurs...) sont celles applicables au moment de l'impression du catalogue, et uniquement fournies à titre informatif. L'éditeur décline toute responsabilité en cas d'erreur de frappe, d'impression et pour tout autre différence concernant les produits, images et données publiées. planlicht se réserve le droit de modifier les produits à sa discrétion, à tout moment et sans préavis. Les conditions générales de vente de planlicht GmbH & Co KG applicables sont consultables sur www.planlicht.com.

* La puissance, le flux lumineux et la température de couleur peuvent légèrement différer en raison de l'utilisation de composants électroniques spécifiques dans le processus de production. La puissance et le flux lumineux peuvent différer de +/- 10 %. La température de couleur peut différer de +/- 150 K. Flux lumineux blanc dynamique à 2700 K.

Informazioni importanti

Questo catalogo é riservato ai professionisti. I valori pubblicati in questo catalogo sono valori indicativi, che possono cambiare per ragioni relative al processo produttivo. I dati pubblicati come dimensioni, materiali, colori e dati tecnici sono validi al momento della stampa ed esclusivamente forniti come scopo informativo. L'editore non si assume alcuna responsabilità per errori di tipografia e stampa, così come differenzenei prodotti, foto e dati. planlicht si riserva il diritto di cambiare il prodotto in ogni momento e senza preavviso. I termini e condizioni di planlicht GmbH & CO KG sono disponibili su www.planlicht.com.

* La Potenza, il flusso Luminoso e la temperature colore possono essere leggermente diversi a causa delle componenti elettroniche usate nel processo di produzione. La potenza e il flusso possono variare del +/- 10%. La temperatura colore di +/- 150K. Flusso luminoso bianco dinamico a 2700K.

All luminaires published in this epic piece of art are vegan, gluten- and lactose-free. No animals or mythical creatures were intentionally harmed in the making of this catalogue. Please notice that all shown luminaires are non-biodegradable.



Headquarters & Production

6134 Vomp, Austria, Au 25
Tel. +43-5242-71608, Fax +43-5242-71283
info@planlicht.com, www.planlicht.com

IMPRINT

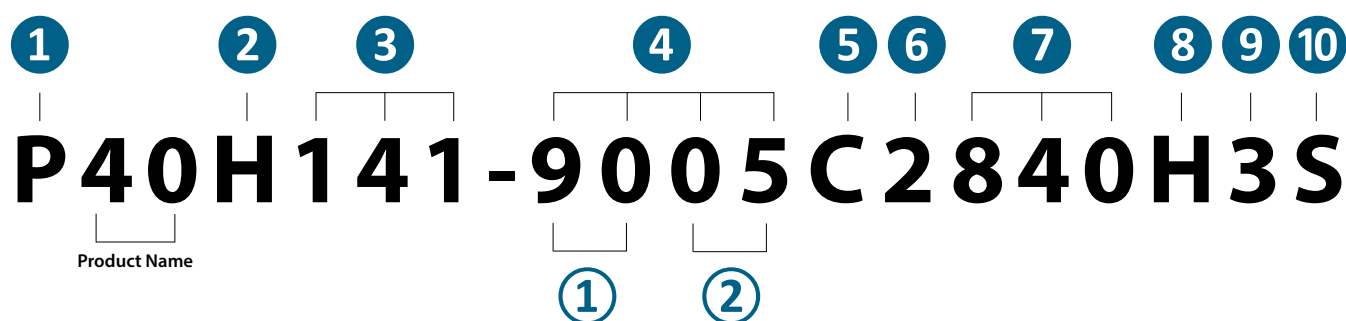
Publisher: planlicht GmbH & Co. KG, Vomp
Print: Peschke Druck, Parsdorf
© 2020



FOLLOW US ON



ITEM NUMBERS



- 1 Luminaire version**
- P = Profile Luminaire
 - F = Area Luminaire
 - R = Ring Luminaire
 - S = Spotlight
 - T = Office Luminaire

- 2 Type of Installation**
- A = Surface-mount Luminaire
 - H = Pendant Luminaire
 - Z = Pendant Central Suspension
 - W = Wall Luminaire
 - E = Recessed Luminaire
 - F = Trimless Recessed Luminaire
 - S = 3-Phase Track Spotlight
 - T = Floor Lamp

- 3 Size, Dimension**

- 4 Housing Colour**
- A6C0 = Aluminium anodised finish A6C0
 - 9016 = white RAL 9016
 - 9005 = black RAL 9005
 - 9006 = silver RAL 9006
 - WSWS = white
 - SWSW = black
 - SISI = silver

- 1 Acoustic Module**
- QA = QUIET.FELT standard anthracite melange
 - QP = QUIET.FELT standard pebble
 - QL = QUIET.FELT standard lime
 - QB = QUIET.FELT extra + black
 - QF = QUIET.FELT extra + fire
 - QG = QUIET.FELT extra + light grey melange
 - QC = QUIET.FELT extra + chocolate
 - QM = Organoid® Mous
 - QW = Organoid® Wollä
 - QH = Organoid® Wildspitze

- 2 Housing Colour**
- WS = white RAL 9016
 - SW = black RAL 9005
 - SI = silver RAL 9006

- 5 Protection Rating**
- C = IP 20
 - E = IP 40
 - F = IP 50
 - P = IP 44
 - Q = IP 54

- 6 Fixture Type, Light Distribution**
- 1 = direct/1 Spot
 - 2 = direct/indirect/2 Spots
 - 3 = 3 Spots

- 7 Light Source**
- 827/830/840/927/930/935/940 = LED
 - HCL = Dynamic White
 - BAC = Bakery goods
 - FLE = Meat
 - WUR = Sausage products
 - FIS = Fish
 - FRU = Fruits & Vegetables
 - FAS = Fashion

- 8 Light Power**
- L = Low Output
 - M = Medium Output
 - H = High Output
 - V = Very high Output
 - X = without notice

- 9 Dimming Type**
- 1 = no dimming
 - 3 = DALI-dimmable direct / indirect share
 - 7 = sensor control

- 10 Emission Characteristics, Covers, Louvres**
- S = Satined
 - M = Microprismatic
 - E = Microprismatic extra comfort
 - A = Asymmetric
 - U = U-Cover
 - L = Lens
 - B = BAP Louvre high-gloss silbver
 - P = BAP Louvre silver matte
 - G = BAP Louvre high-gloss gold
 - K = BAP Louvre high-gloss copper
 - W = BAP Louvre white (RAL 9016)
 - N = BAP Louvre black (RAL 9005)
 - D = BAP Louvre glaring gold
 - R = BAP Louvre capital copper
 - Y = BAP Louvre gunnery grey
 - C = BAP Louvre black chrome matte
 - 1 = 10°-19°
 - 2 = 20°-29°
 - 3 = 30°-39°
 - 4 = 40°-49°
 - 5 = 50°-59°
 - 6 = 60°-69°
 - 7 = 70°-79°

PIKTOGRAMS

	Dynamic white (HCL)
	RAL of your choice
	RGBW version available
	Model compatible with emergency light attachment
	CE marking
	Electronic transformer/converter included
	Electronic transformer/converter not included
	DALI Device Type 8
	LED light source
	Light source not included
	Protection class I
	Protection class II
	Protection class III
	Surface mounted on ceiling
	Surface mounted on ceiling or wall
	Pendant
	Wall mounted
	Recessed in wall
	Recessed
	Recessed in ceiling or wall
	Indoor
	Beam angle
	Tilt (swivelling)
	Pan (rotatable)
	
	Minimum distance to illuminated surface
	Glow wire test
	Energy efficiency class EU regulation No 874/2012



$R_a > 90$

VERSIONS
ON DEMAND

Version with $R_a > 90$ available

