



ŚWIATŁO



LATARNIE typu W

LATARNIE WSPÓŁCZESNE
MODERN STREETLIGHTS

WR
WL
DR
WDR
WS
W

latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

4 m →

0 m →



WS3



WS4



WS5



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



7





latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

8

4 m →

0 m →



WS8

WS9

WS10

latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



9



← 4,5 m

← 0 m

WS11

WS11/2

latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

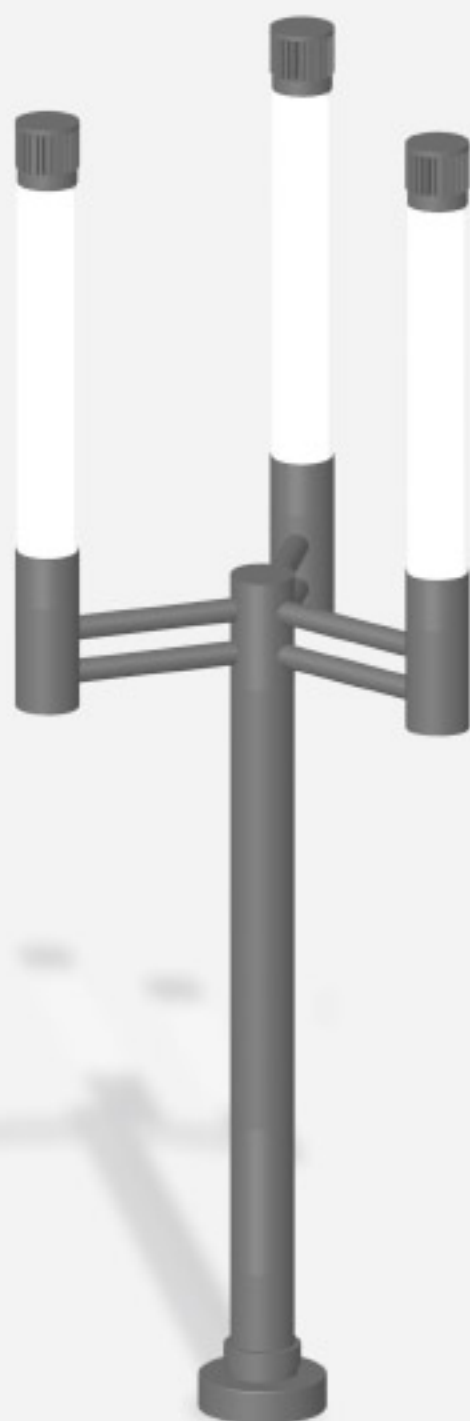


latarnie typu W

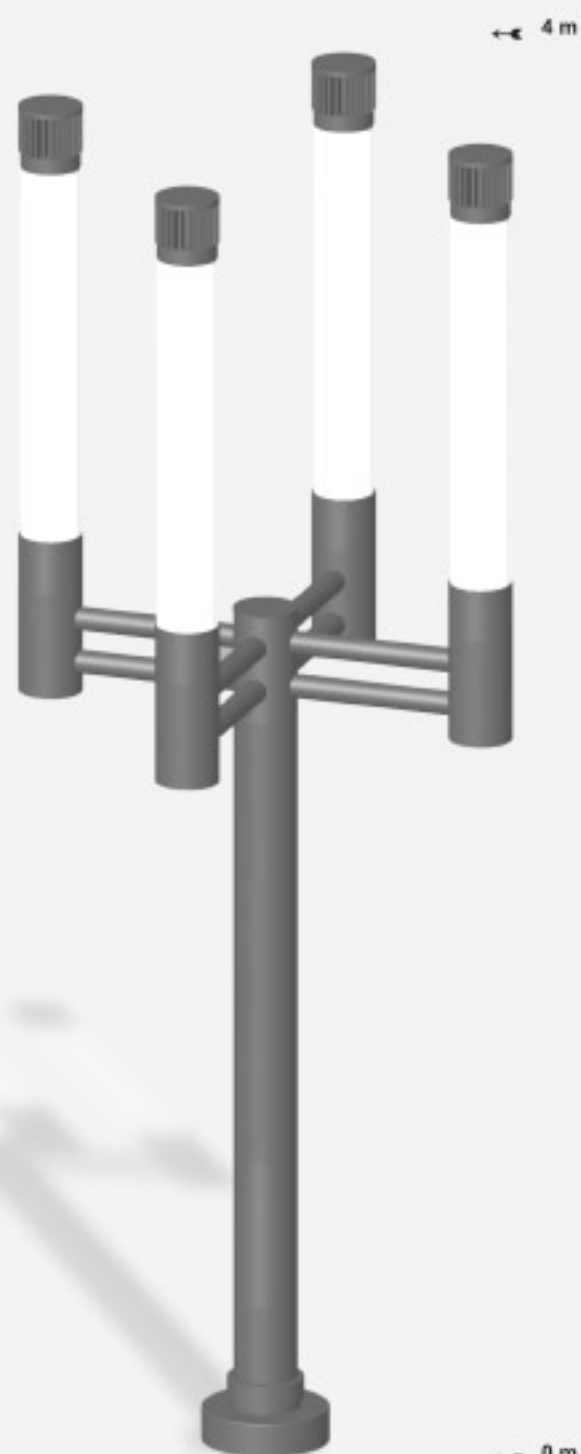
MODERN STREETLIGHTS, TYPE "W"



11



WR4/3



WR4/4



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

5 m →



WS7/2/10B



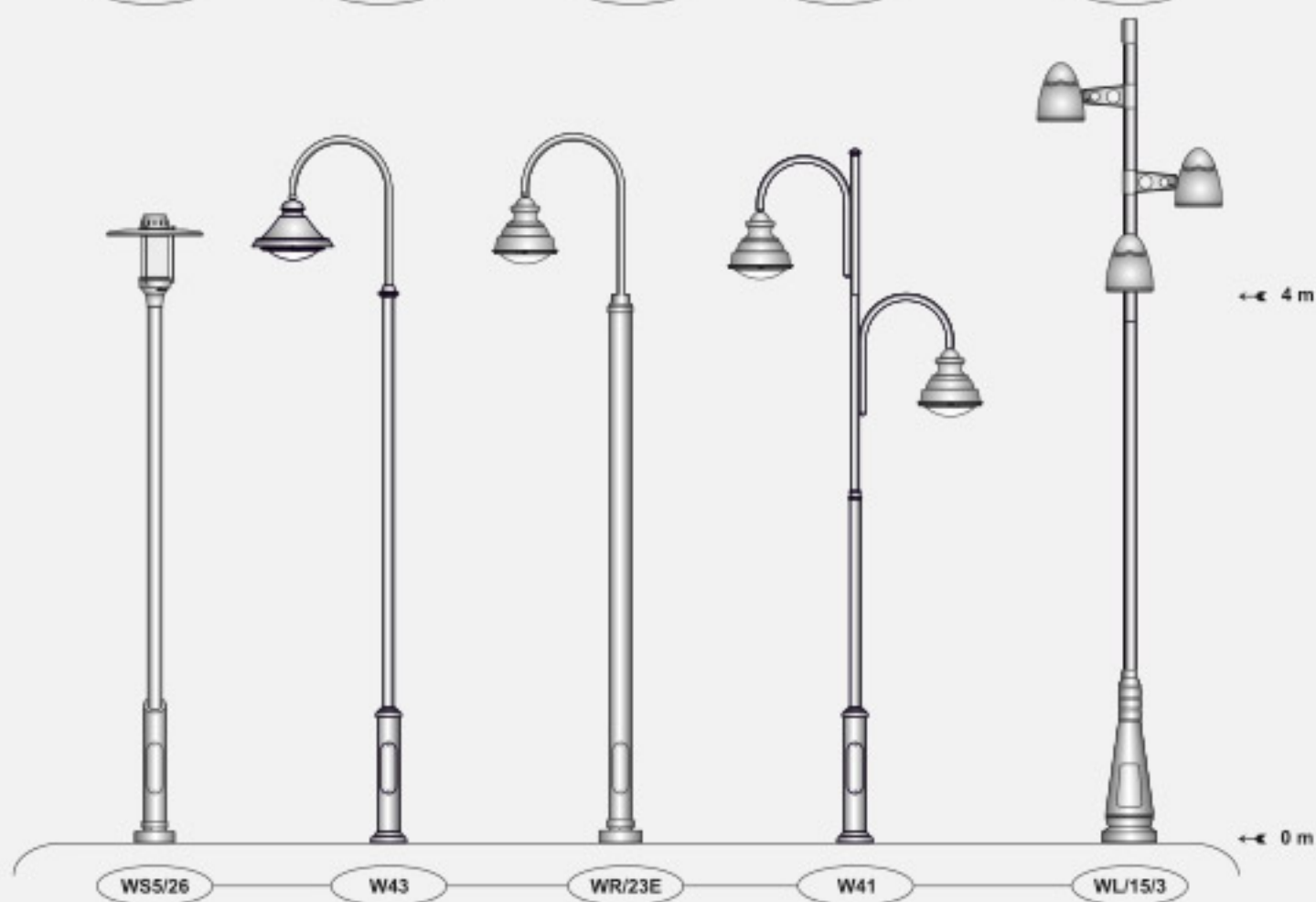
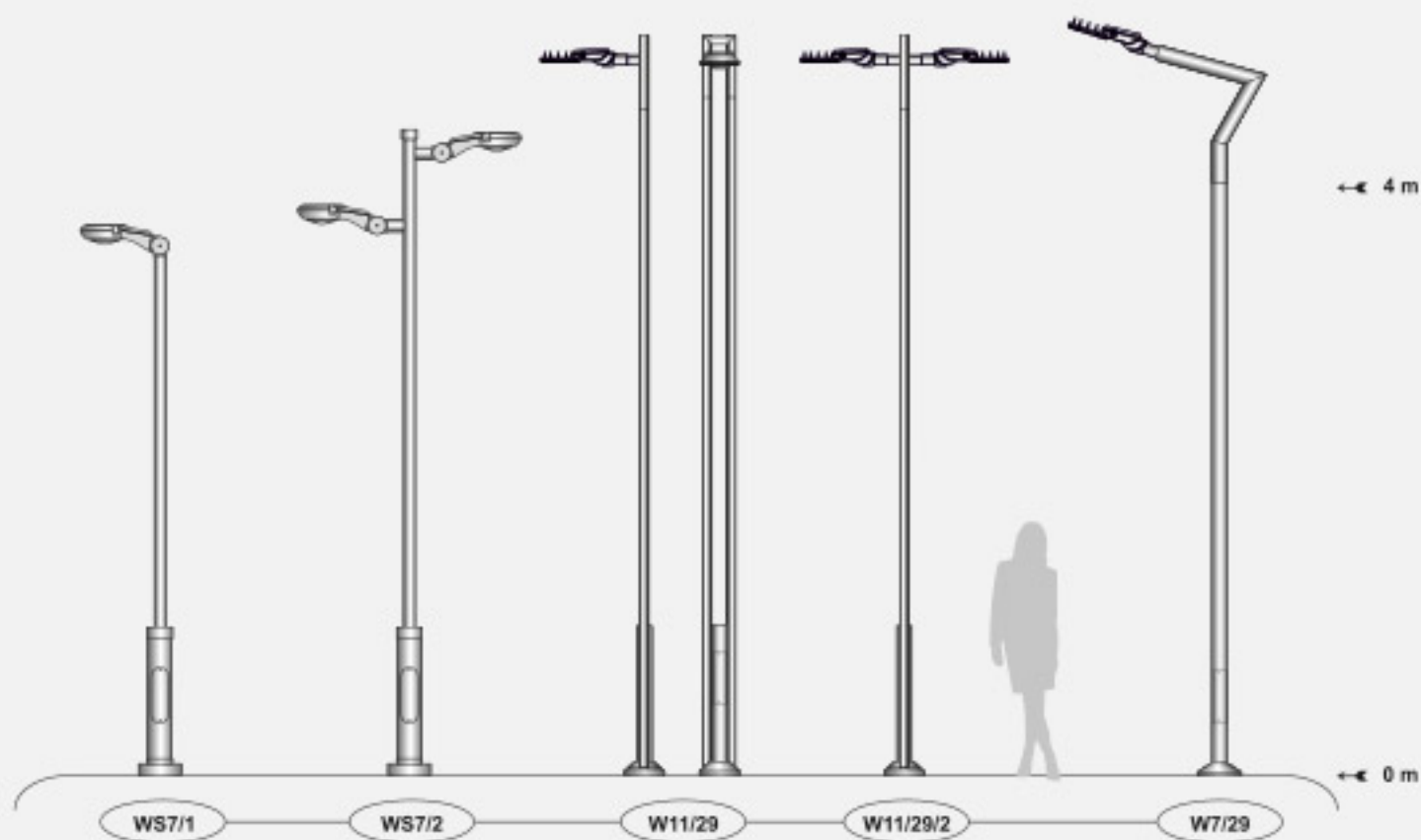
WL3



WS7/10B

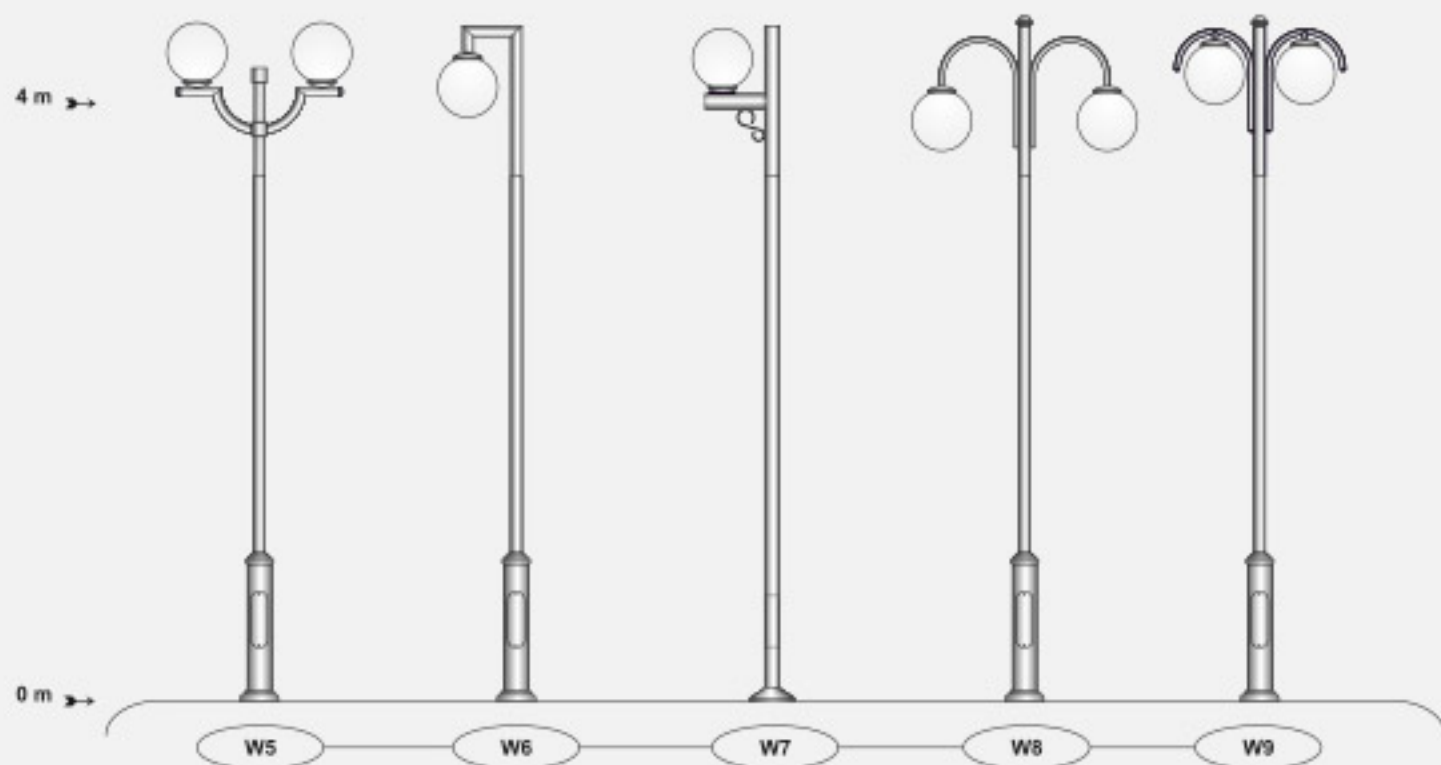
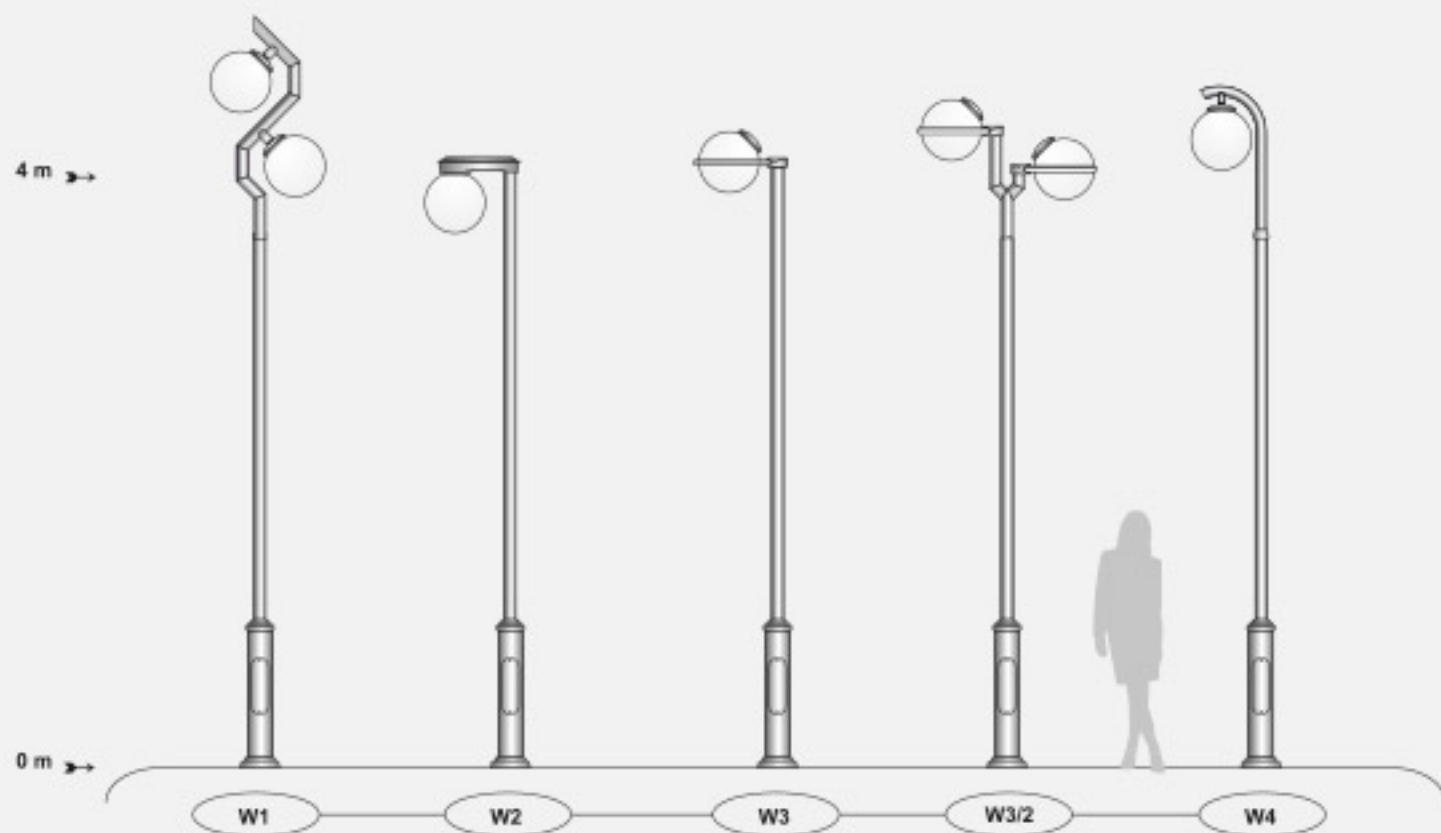
0 m →

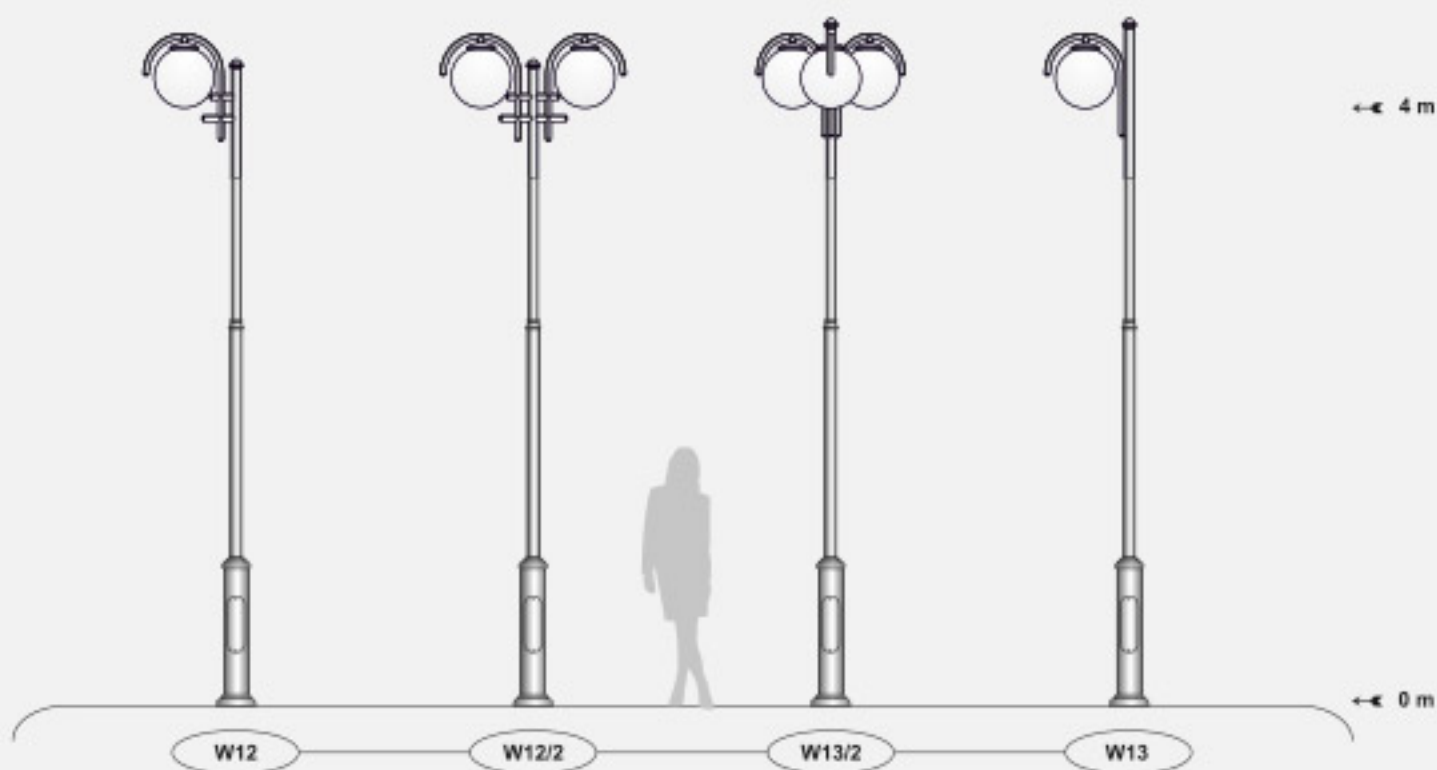
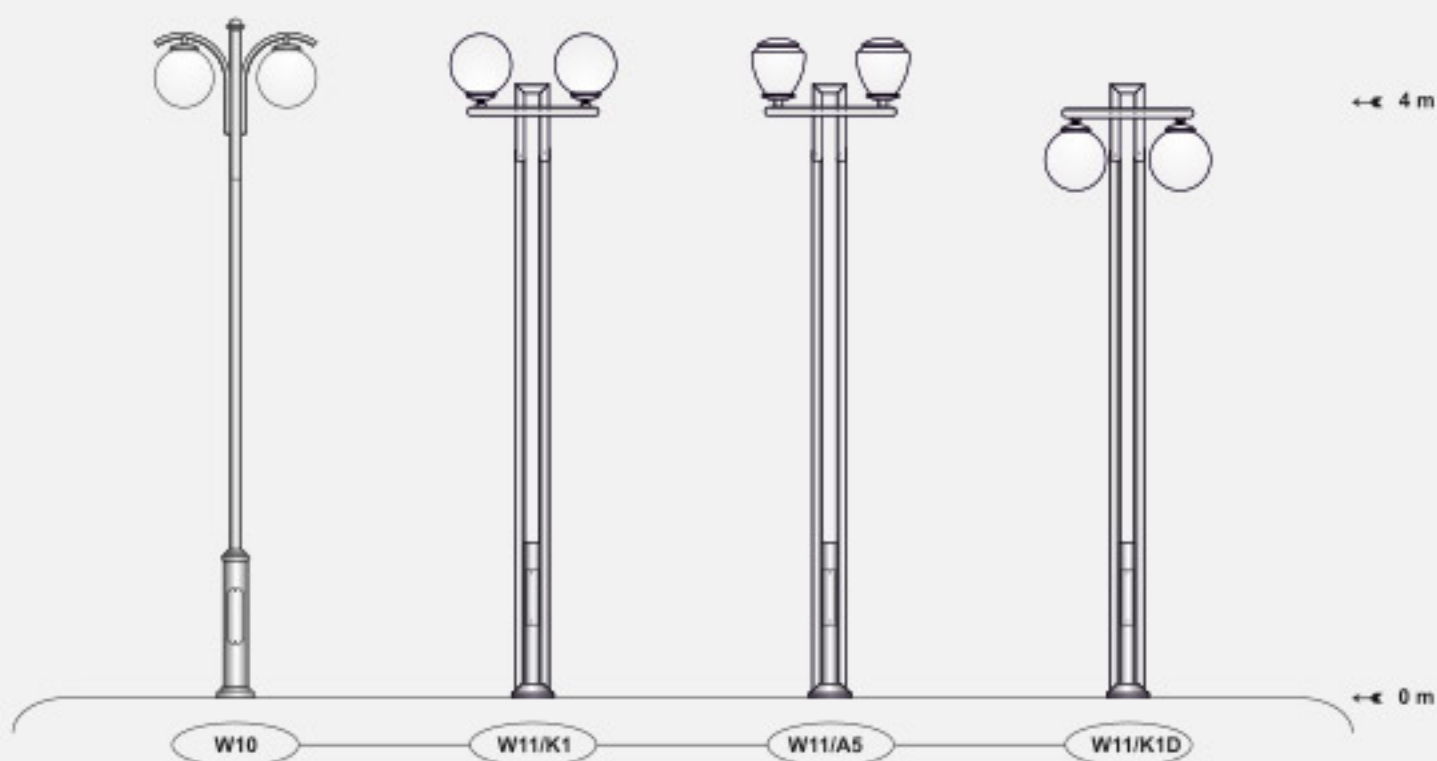




latarnie typu W

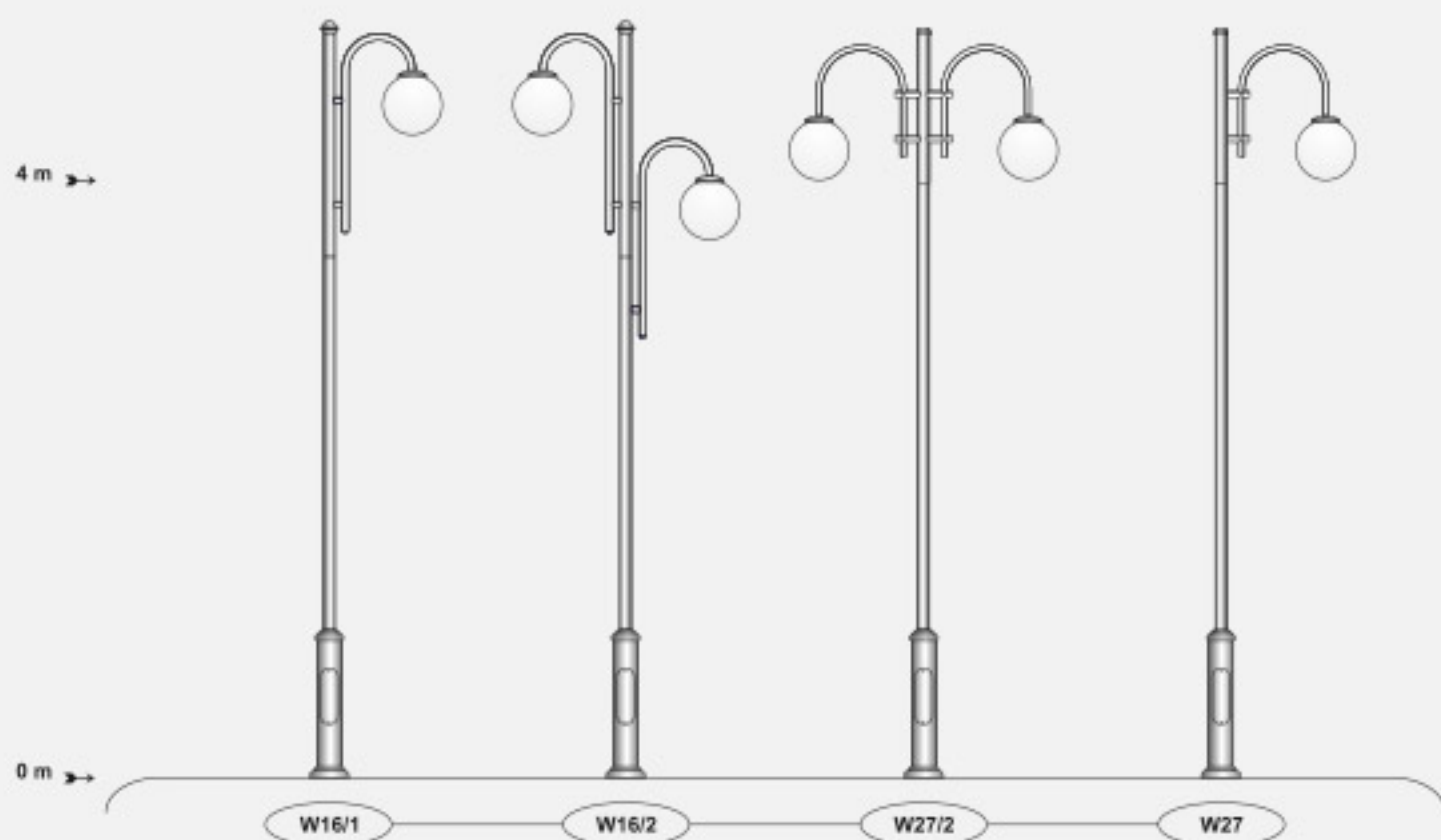
MODERN STREETLIGHTS, TYPE "W"

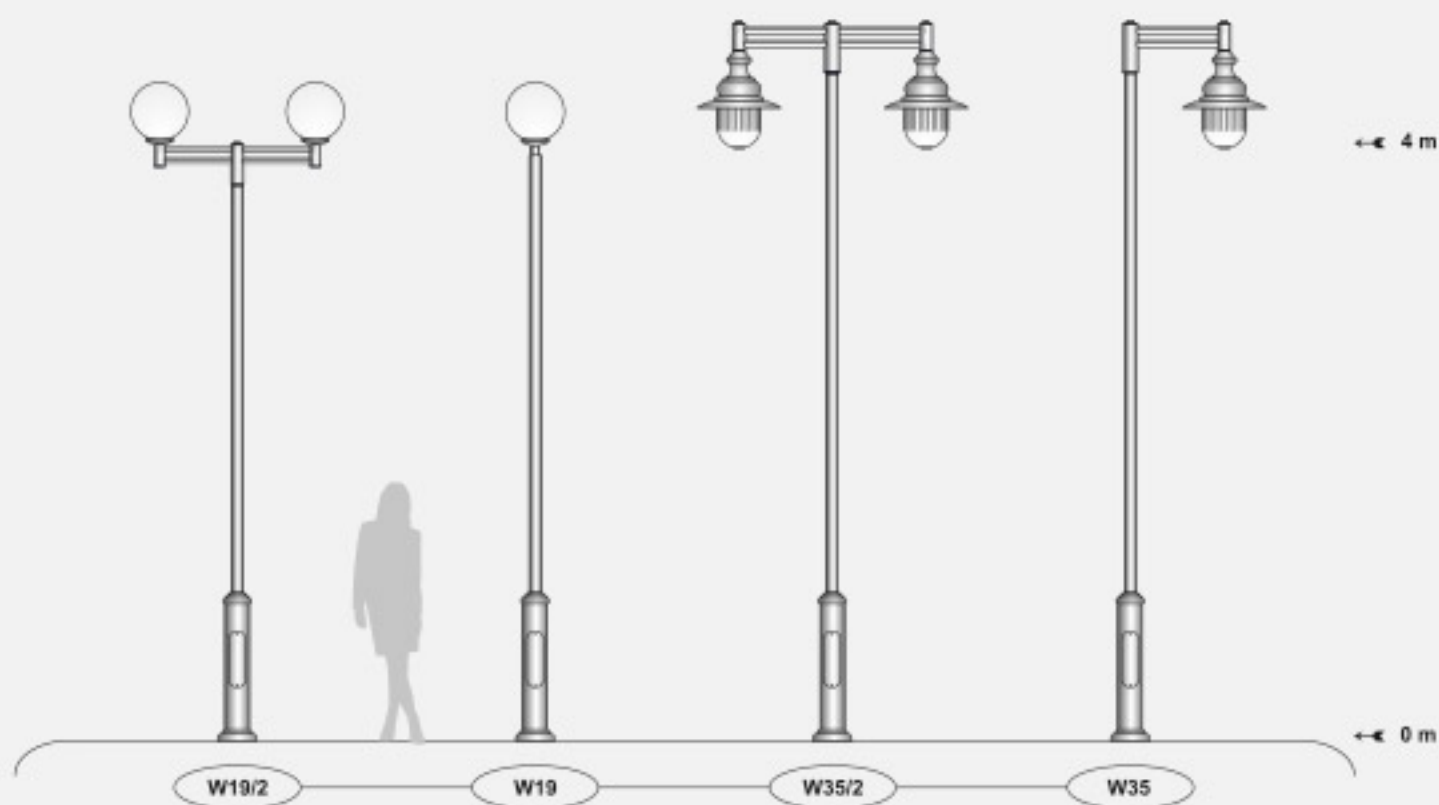
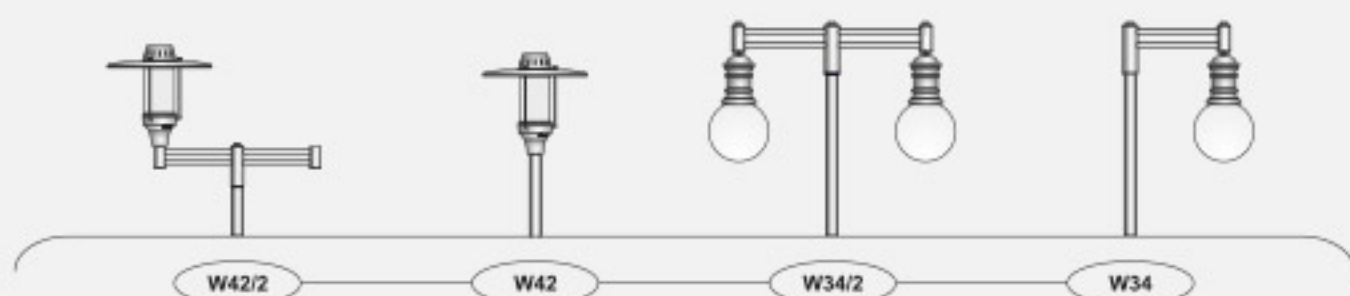
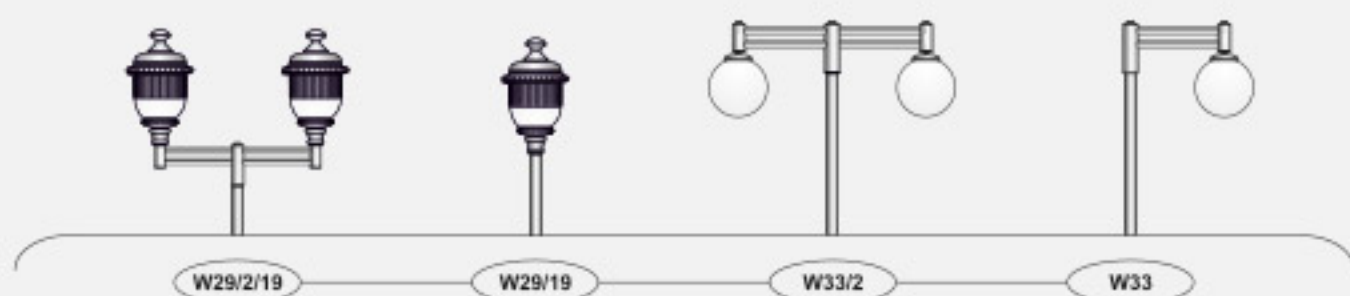
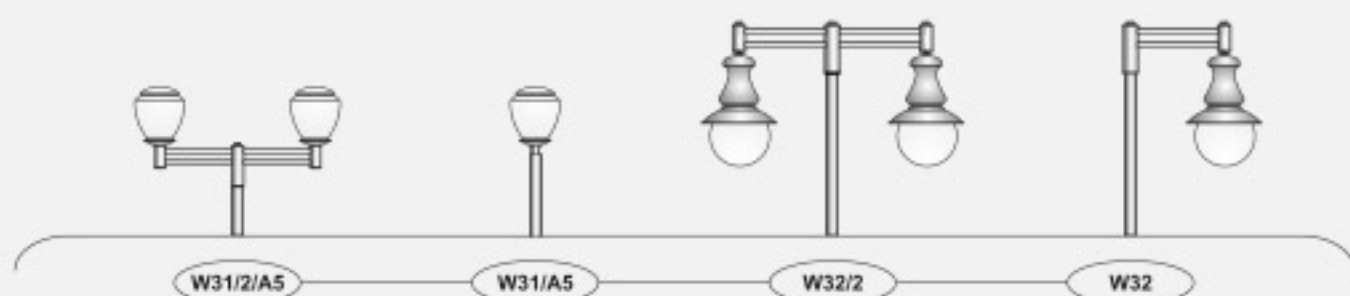


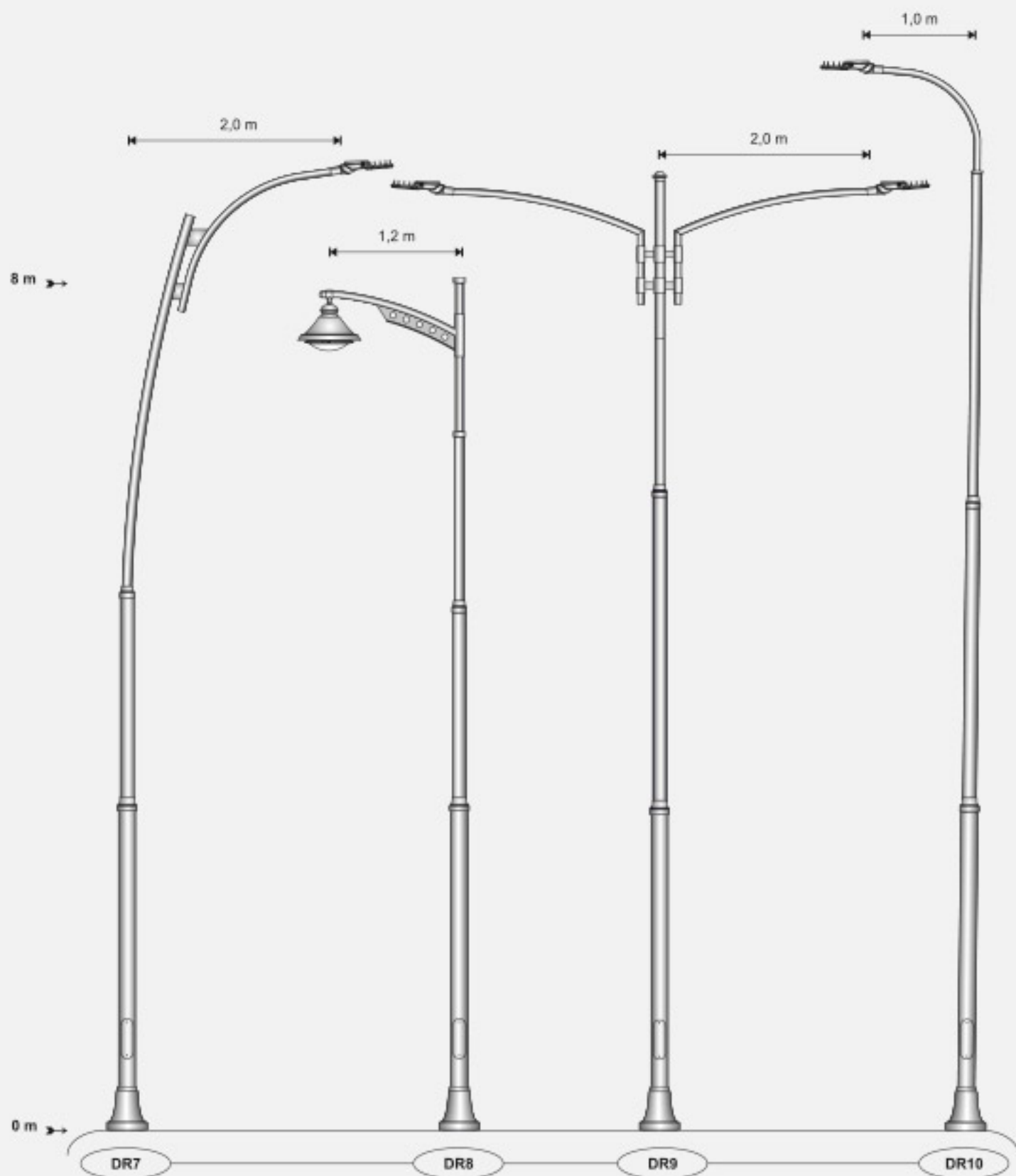


latarnie typu W

MODERN STREETLIGHTS, TYPE "W"





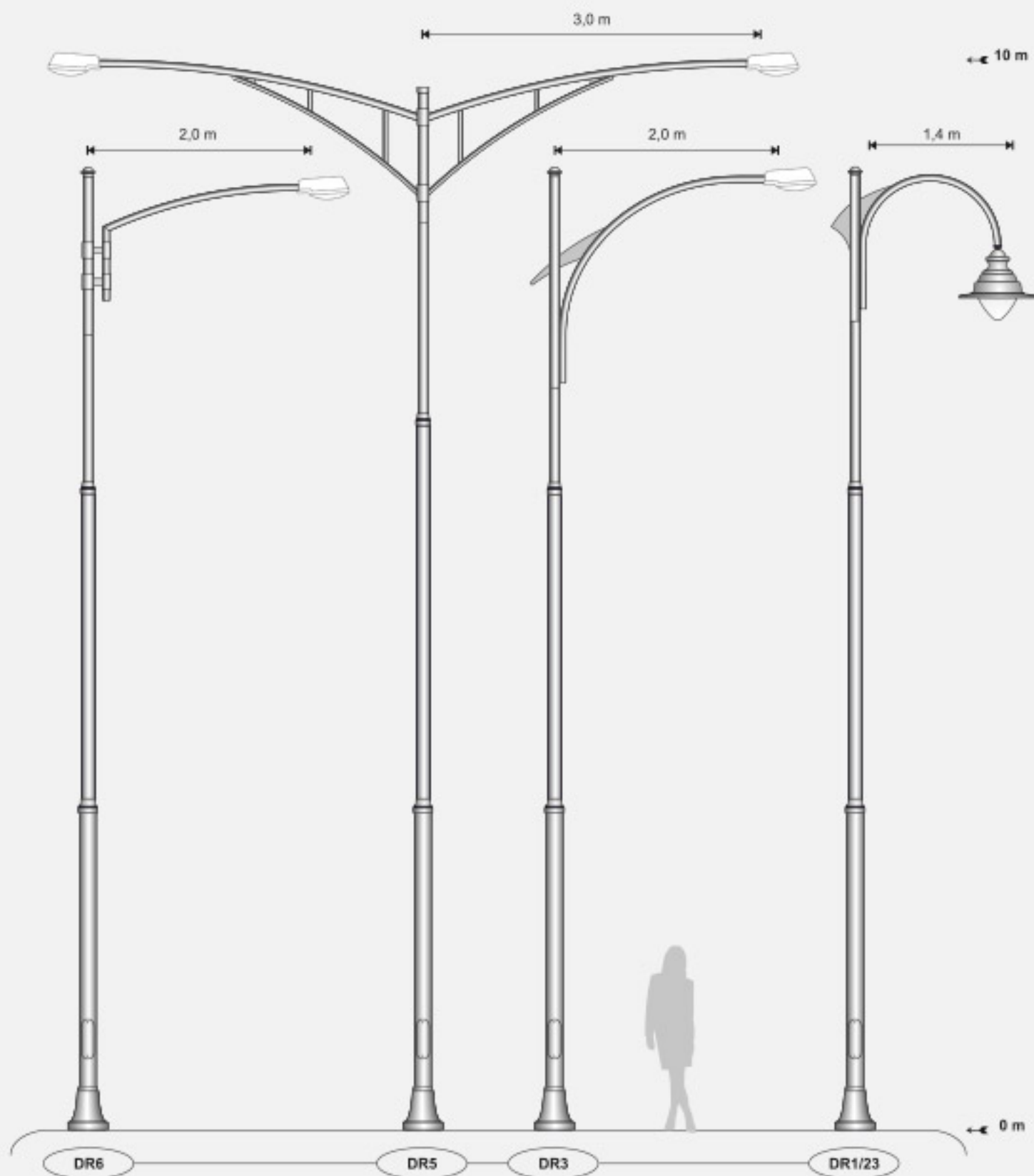


latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

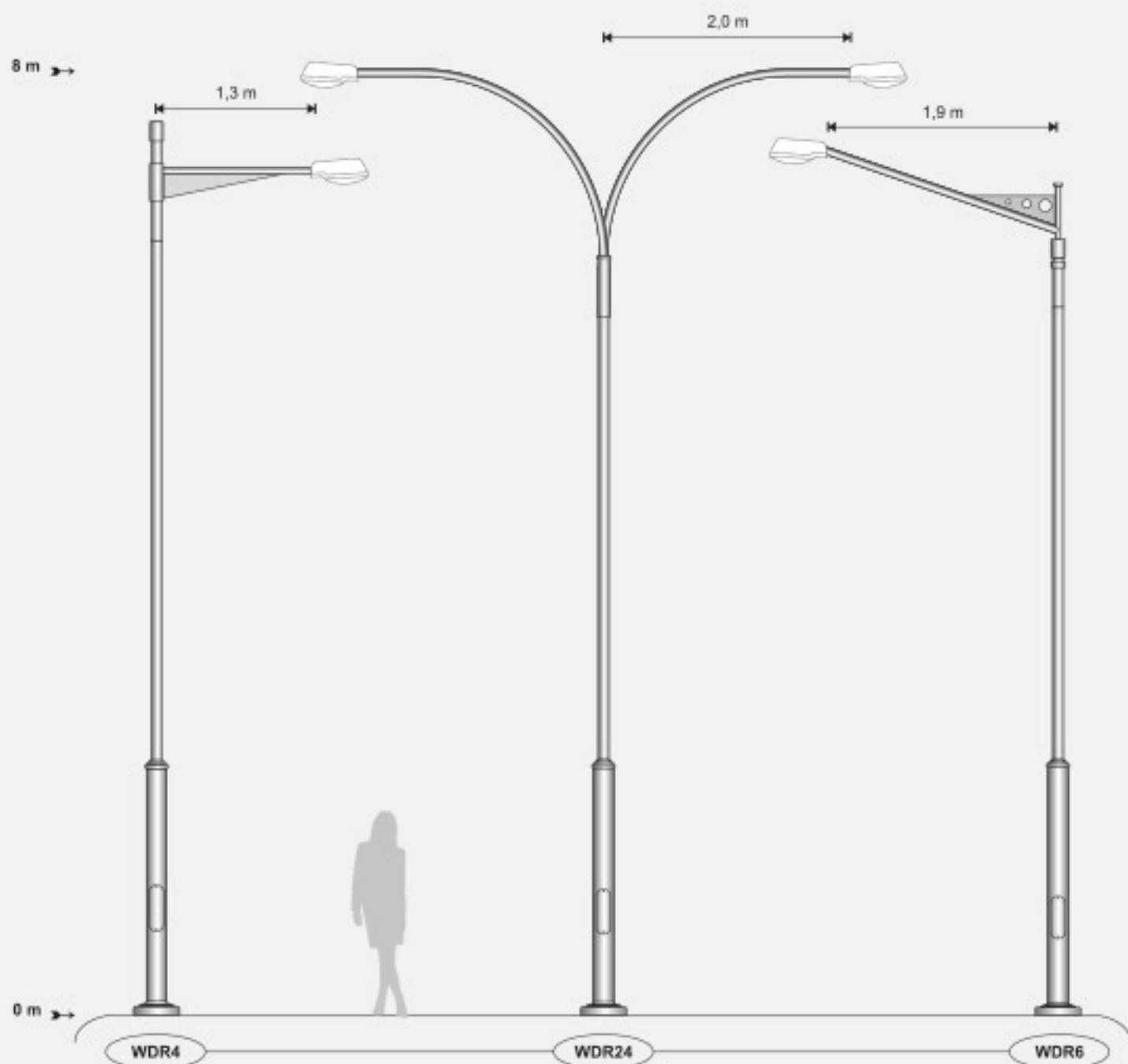
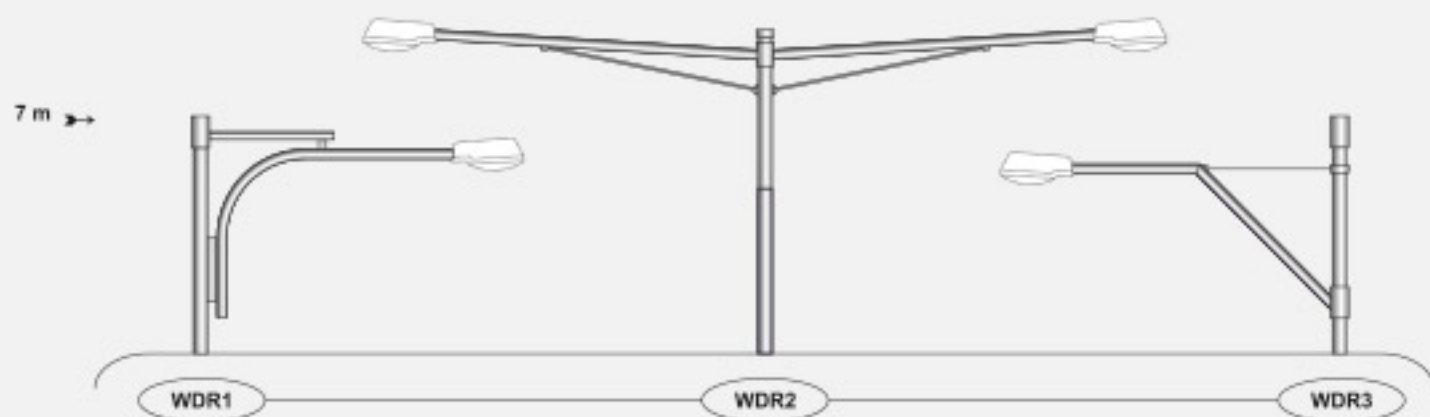


19



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

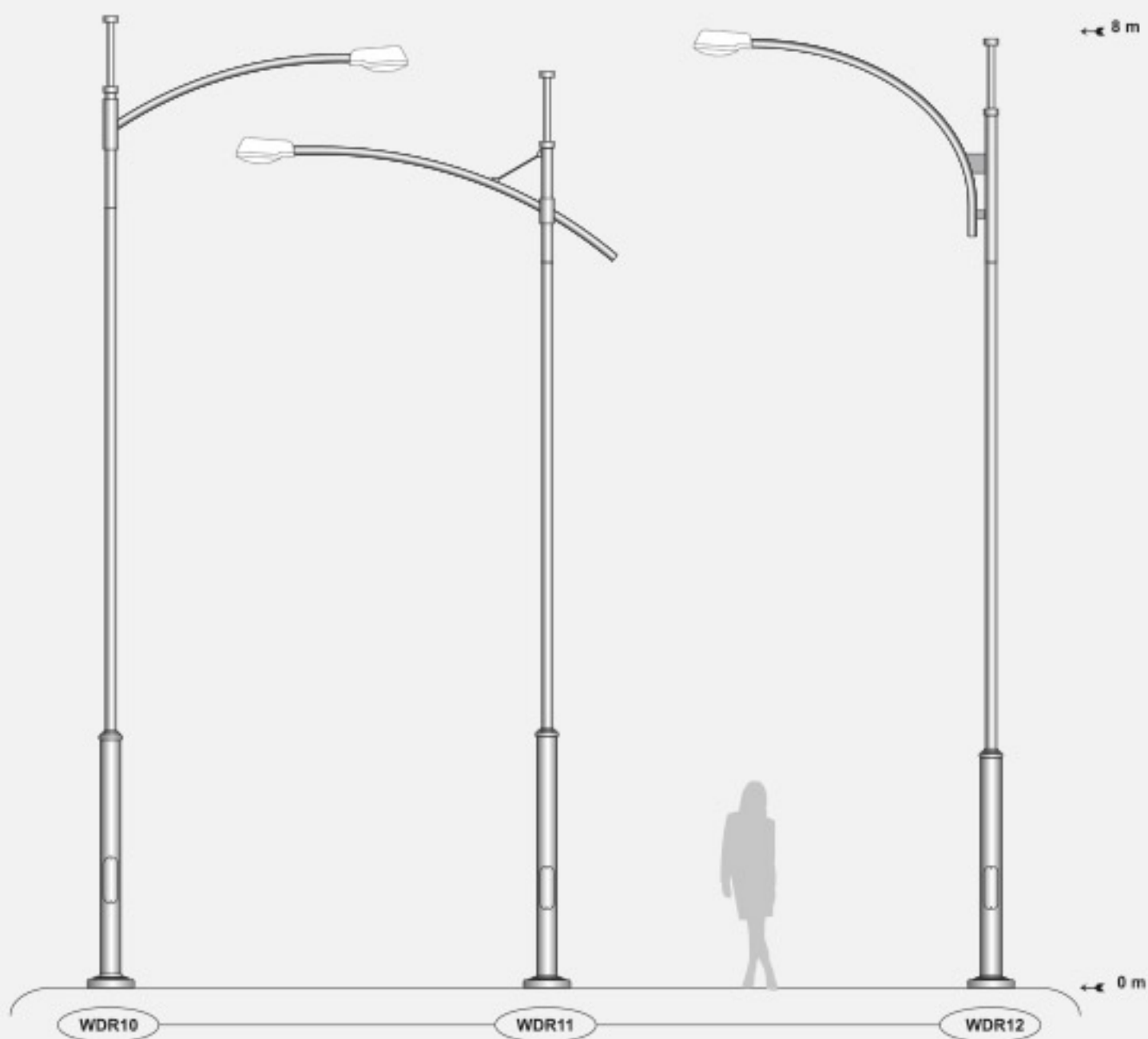
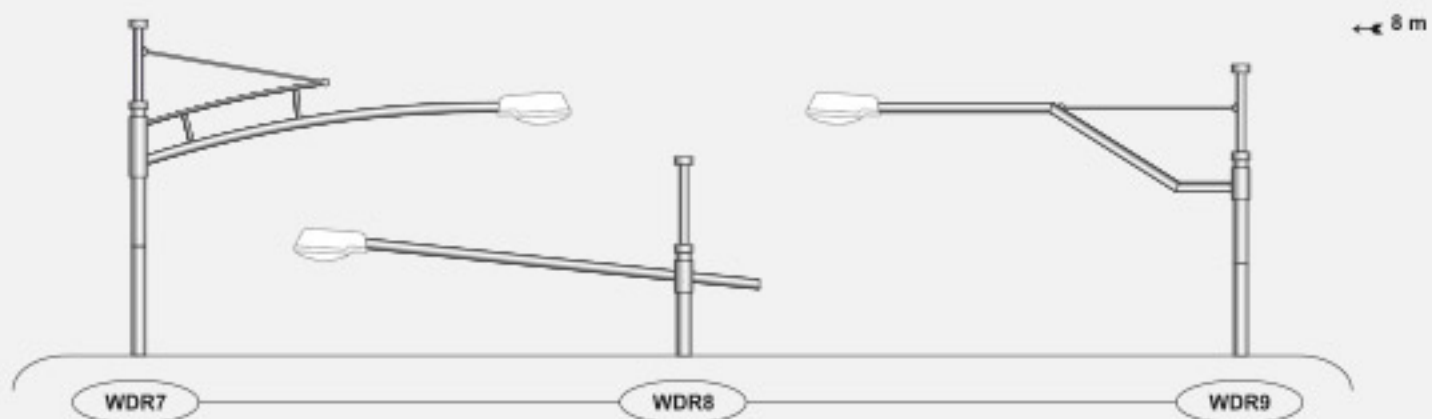


latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

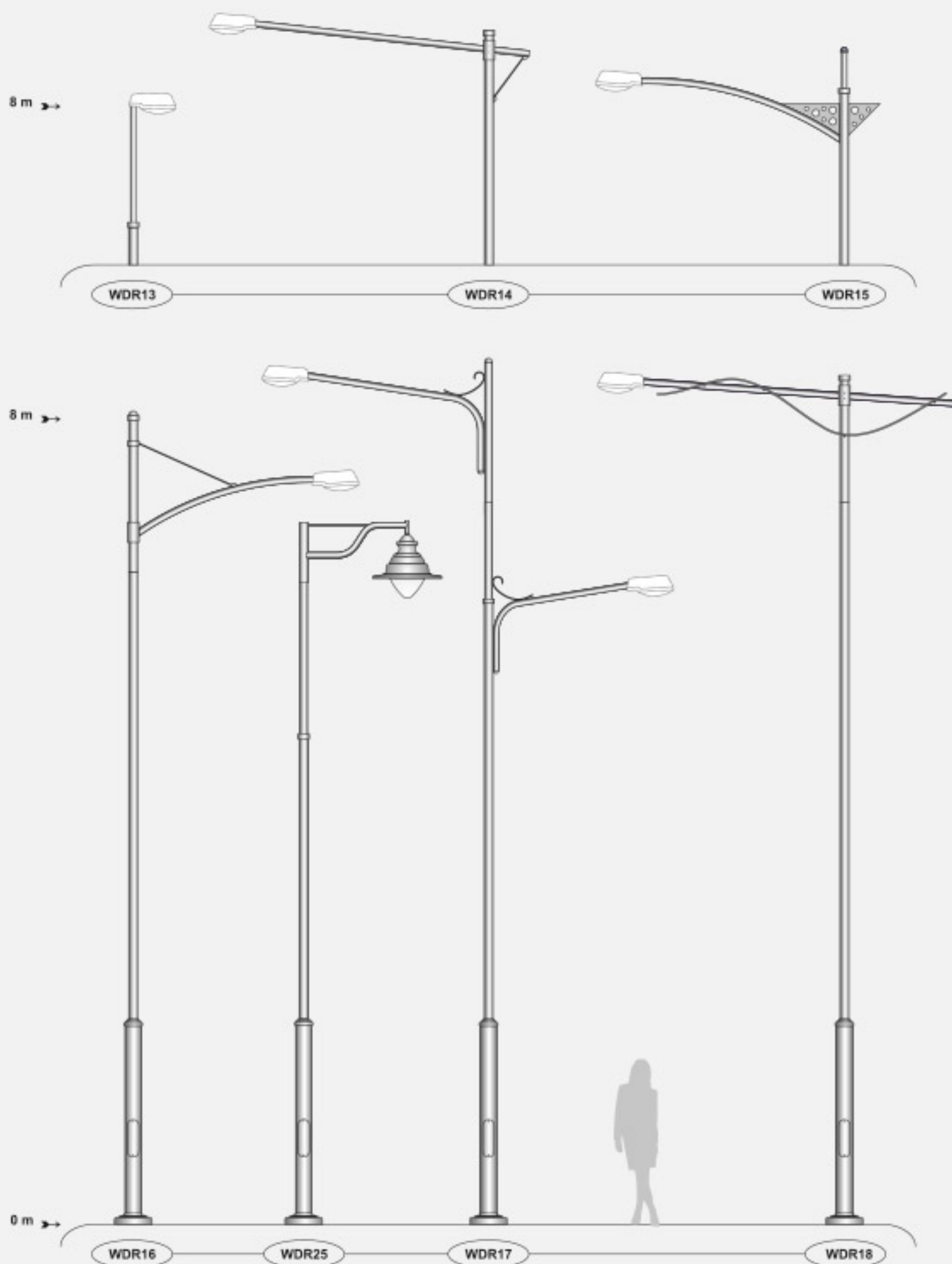


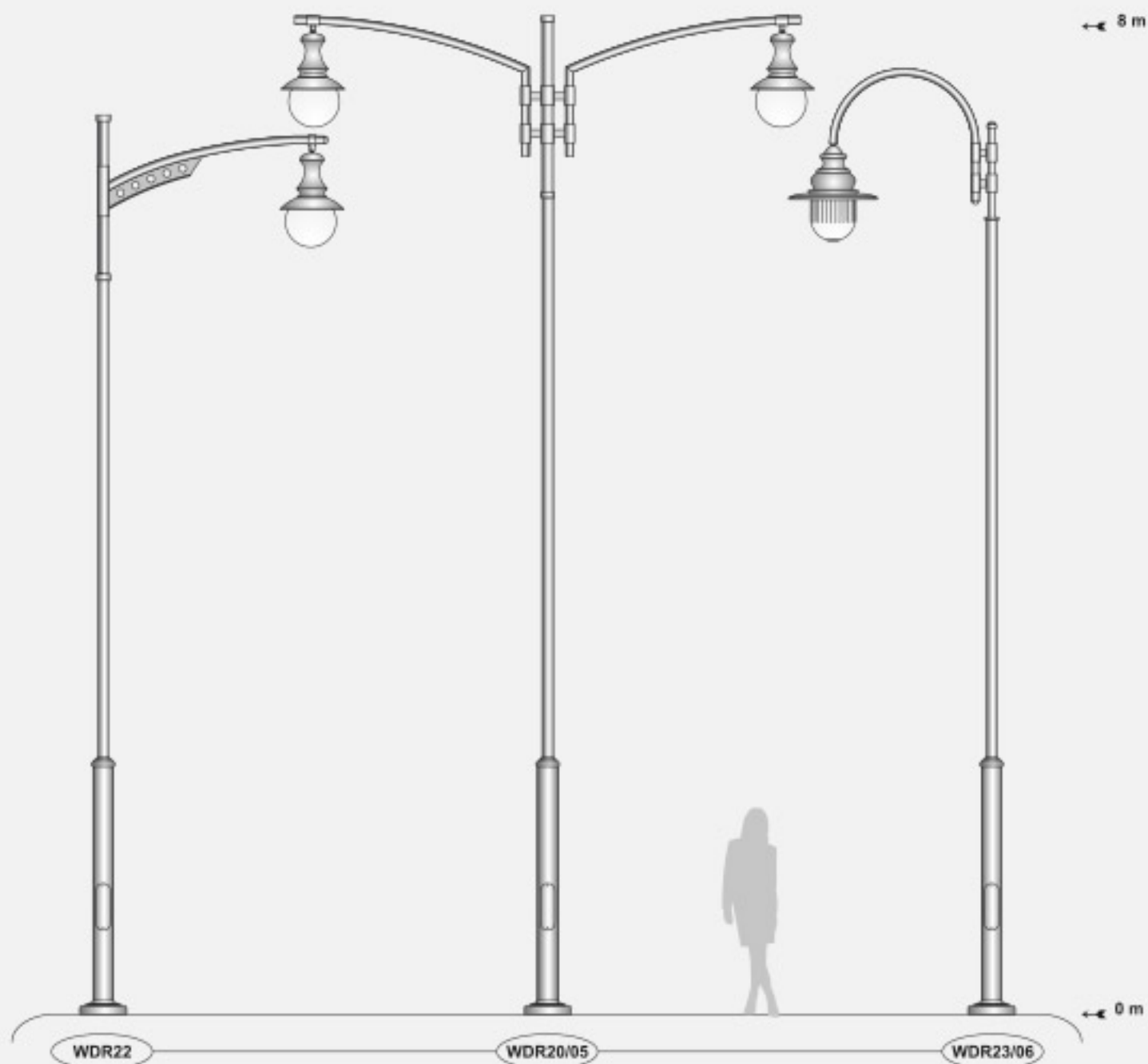
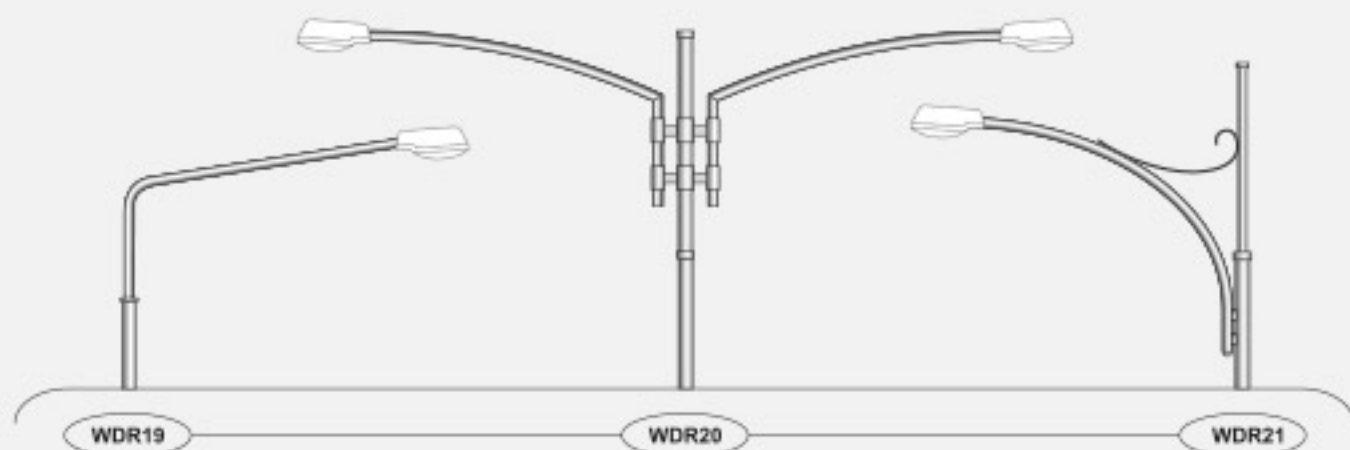
21

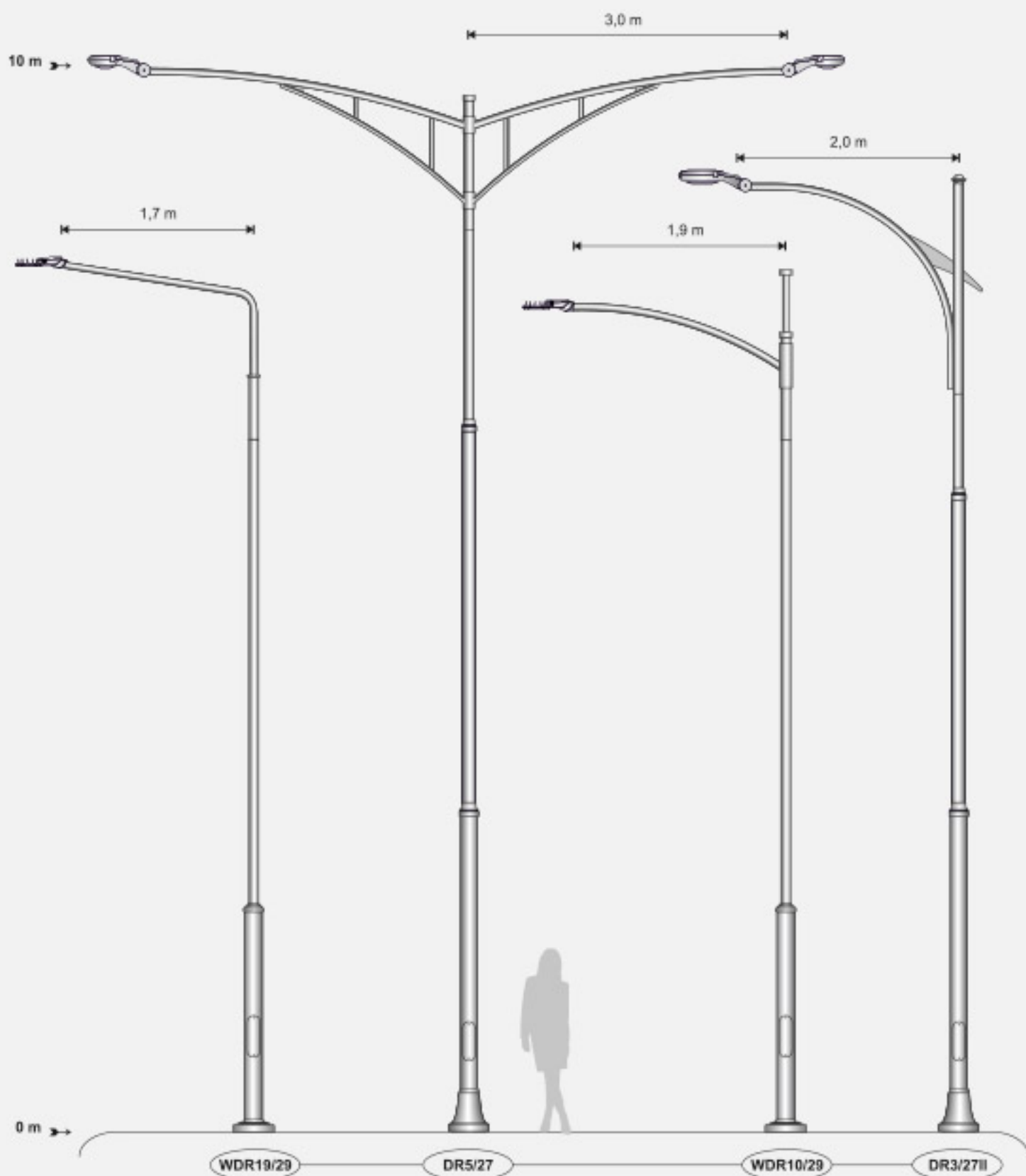


latarnie typu W

MODERN STREETLIGHTS, TYPE "W"









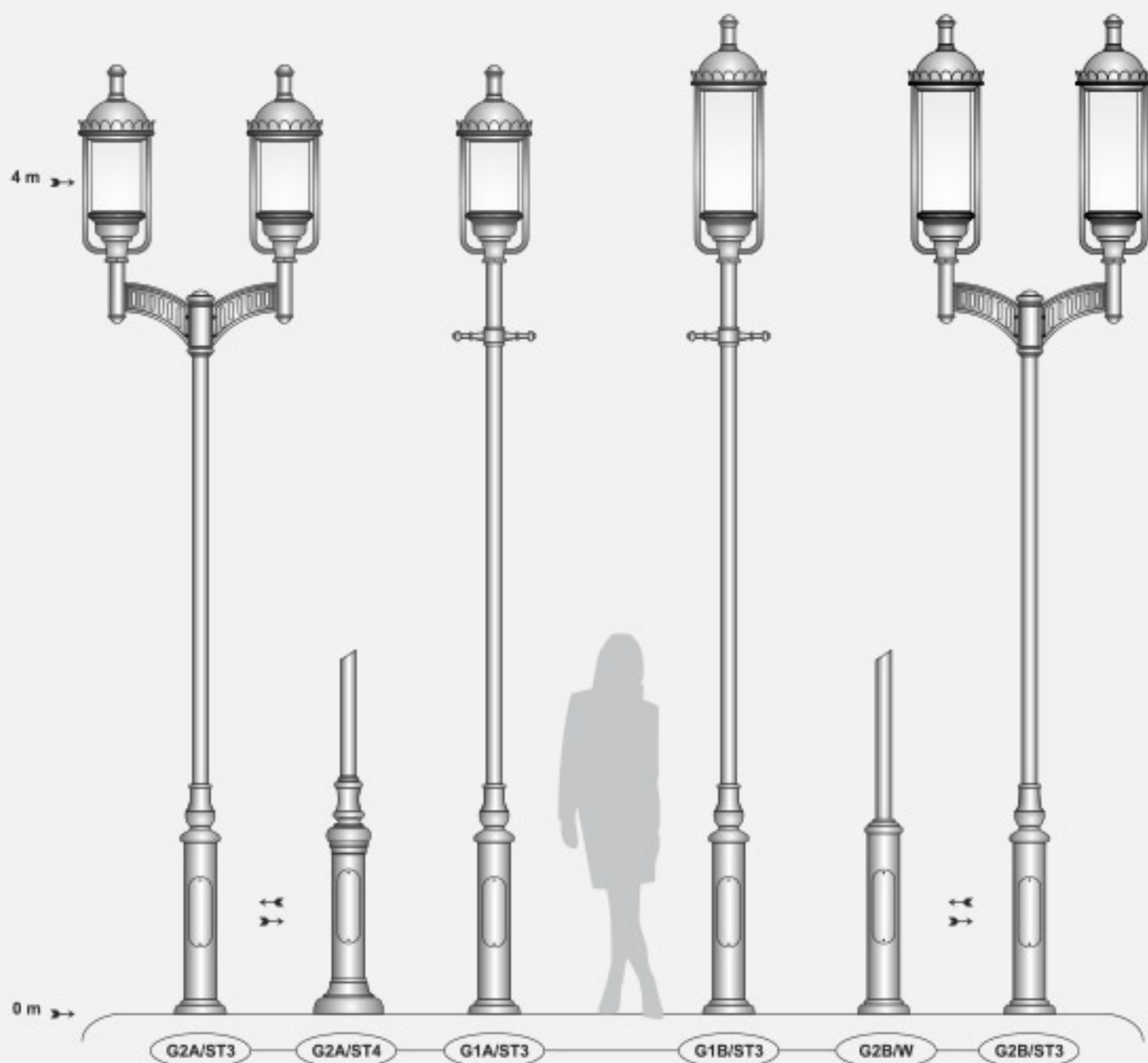
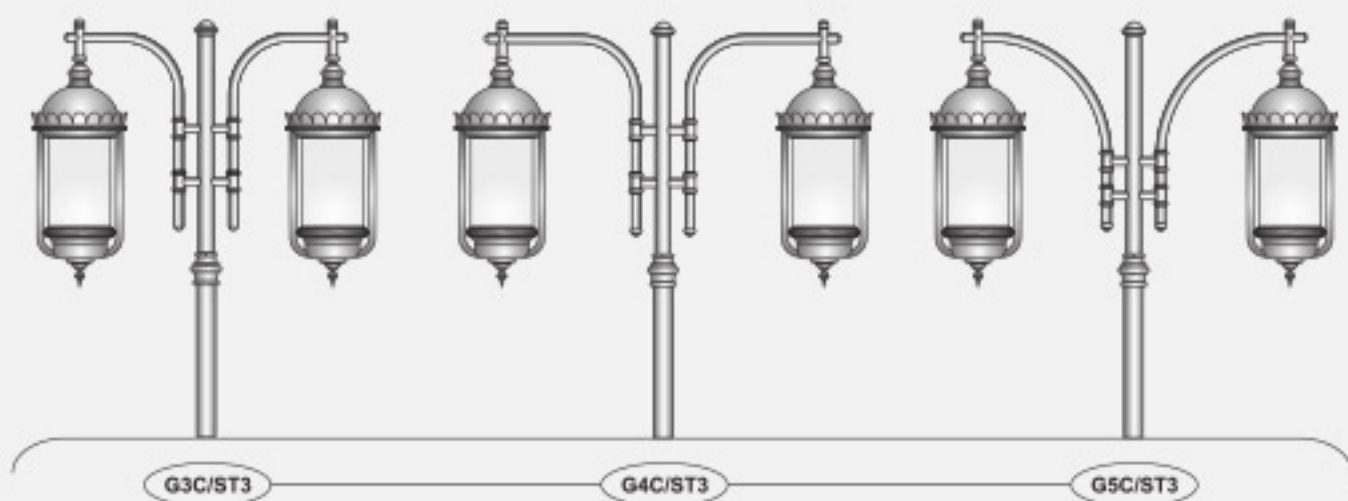
LATARNIE typu G

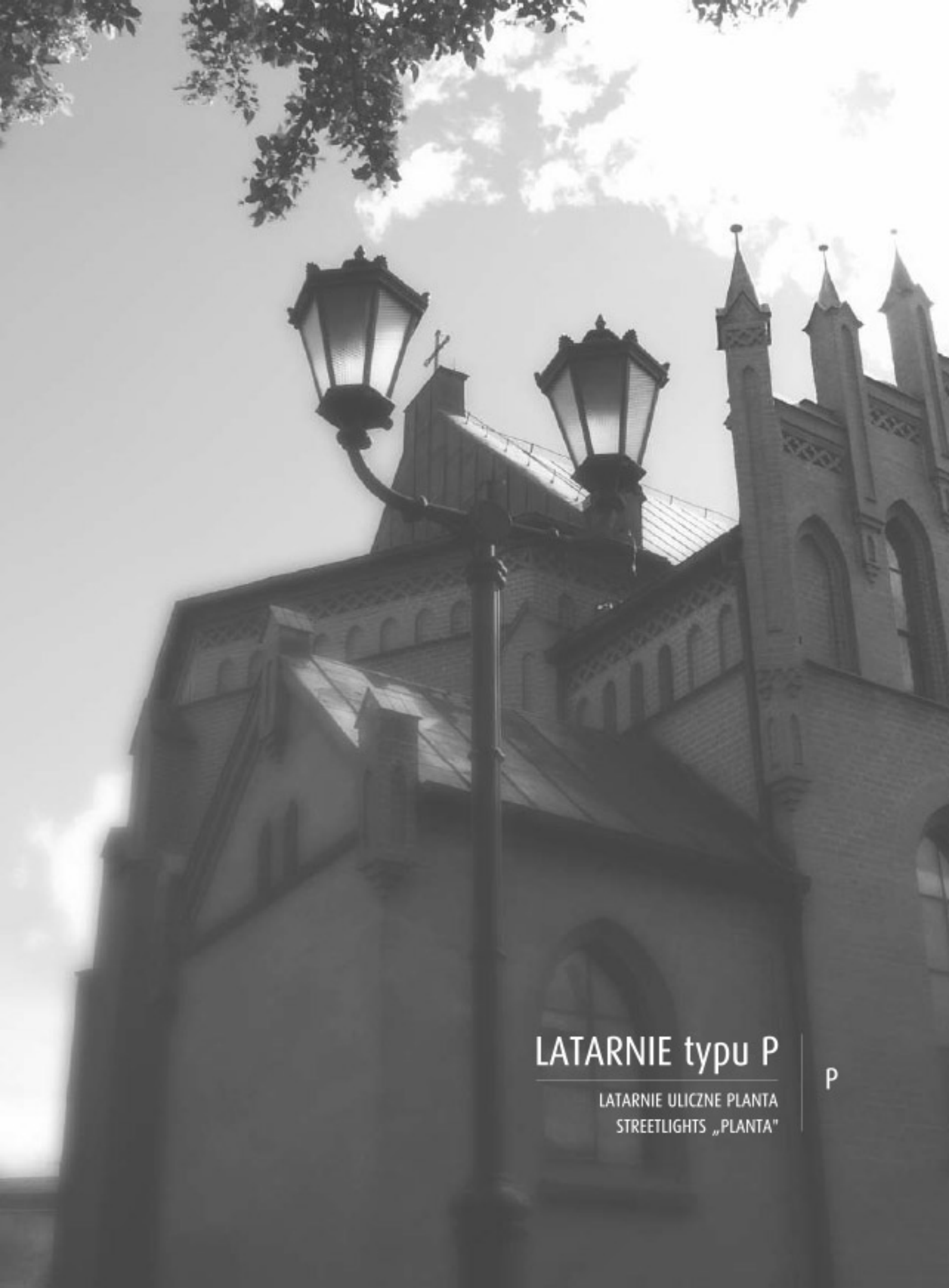
LATARNIE ULICZNE „LONDYN”
STREETLIGHTS „LONDON”

G

latarnie typu G

STREETLIGHTS "LONDON", TYPE "G"



A black and white photograph of a Gothic church with a street lamp in the foreground. The church features a steep gabled roof, a cross on top, and three tall, slender spires on the right side. The street lamp has two ornate, lantern-style light fixtures. The sky is cloudy, and some tree branches are visible at the top left.

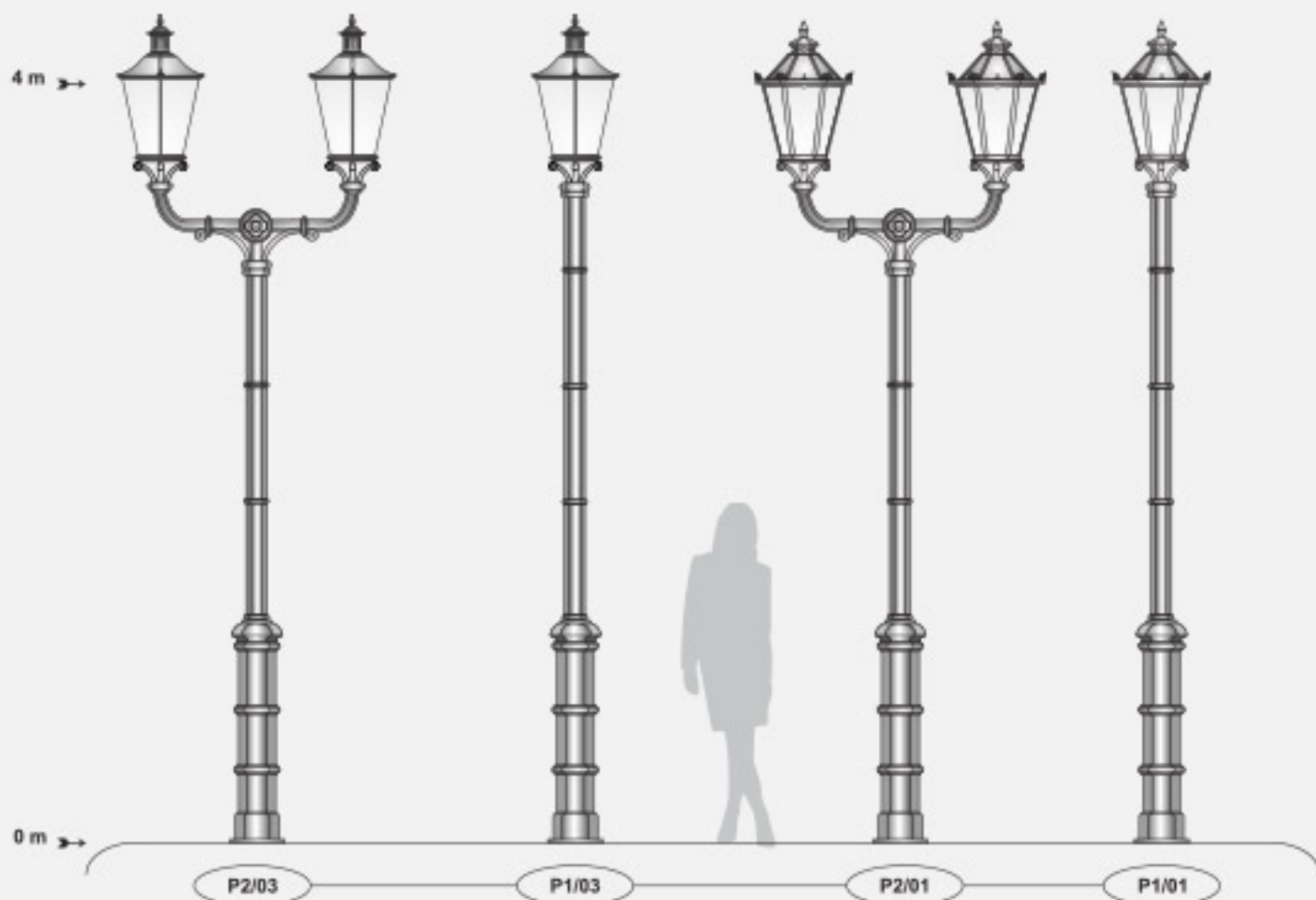
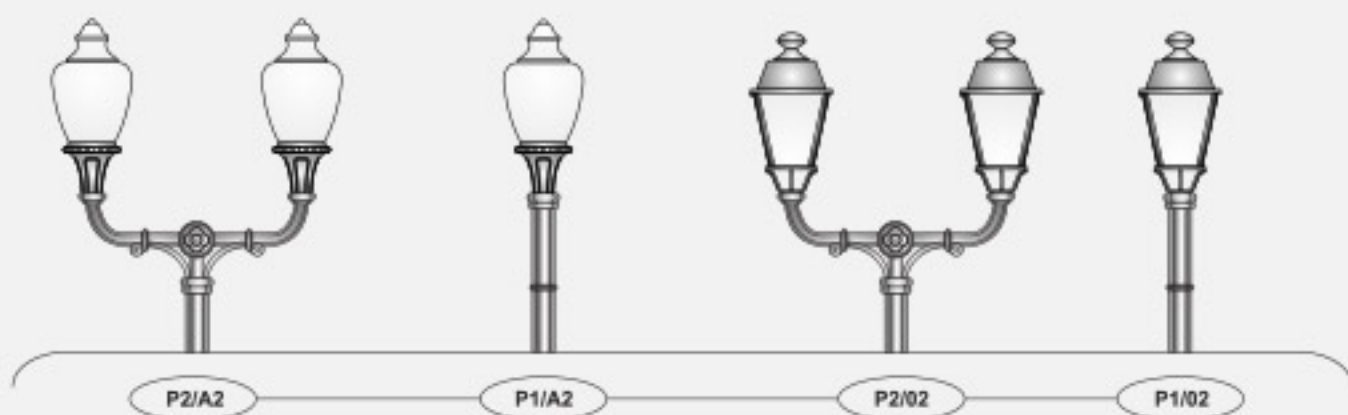
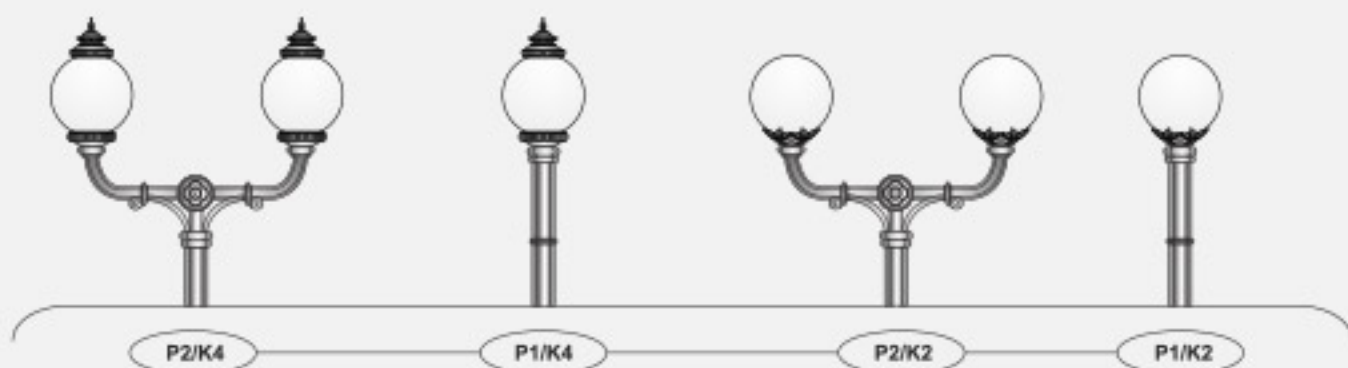
LATARNIE typu P

LATARNIE ULICZNE PLANTA
STREETLIGHTS „PLANTA”

P

latarnie typu P

STREETLIGHTS "PLANTA", TYPE "P"



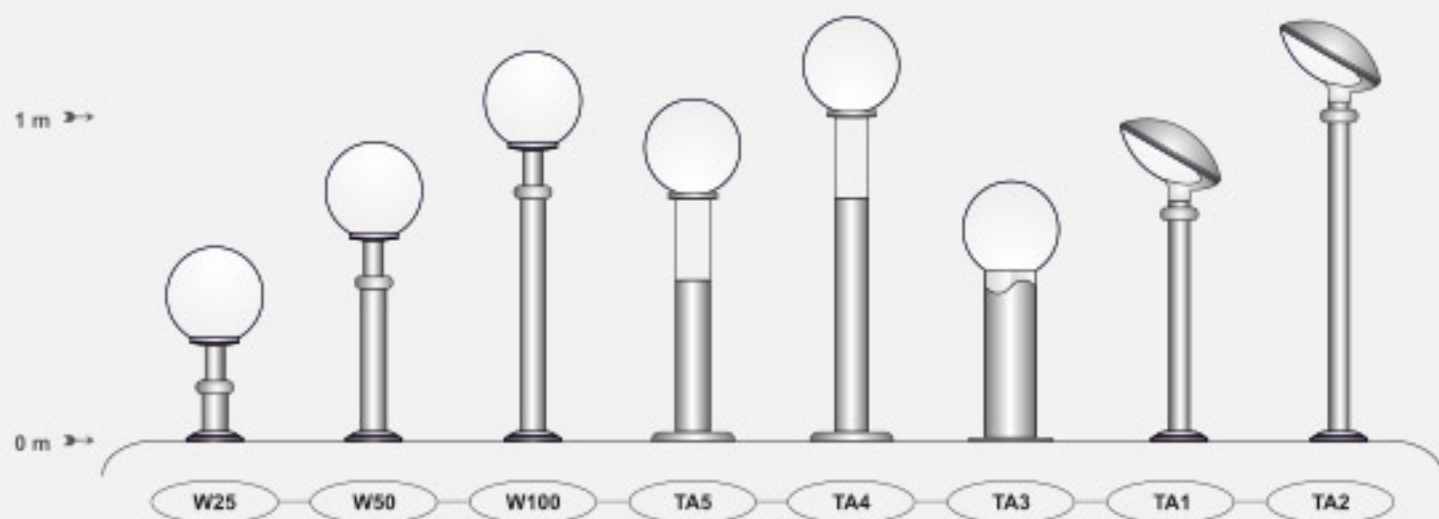
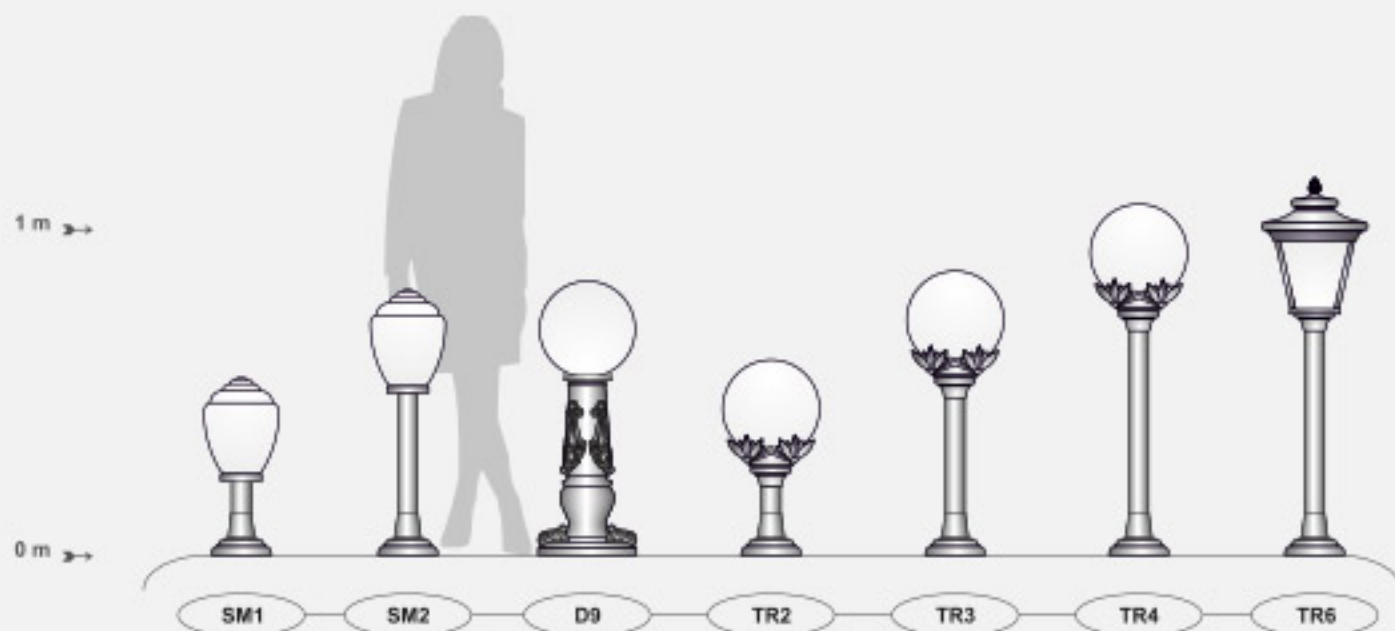
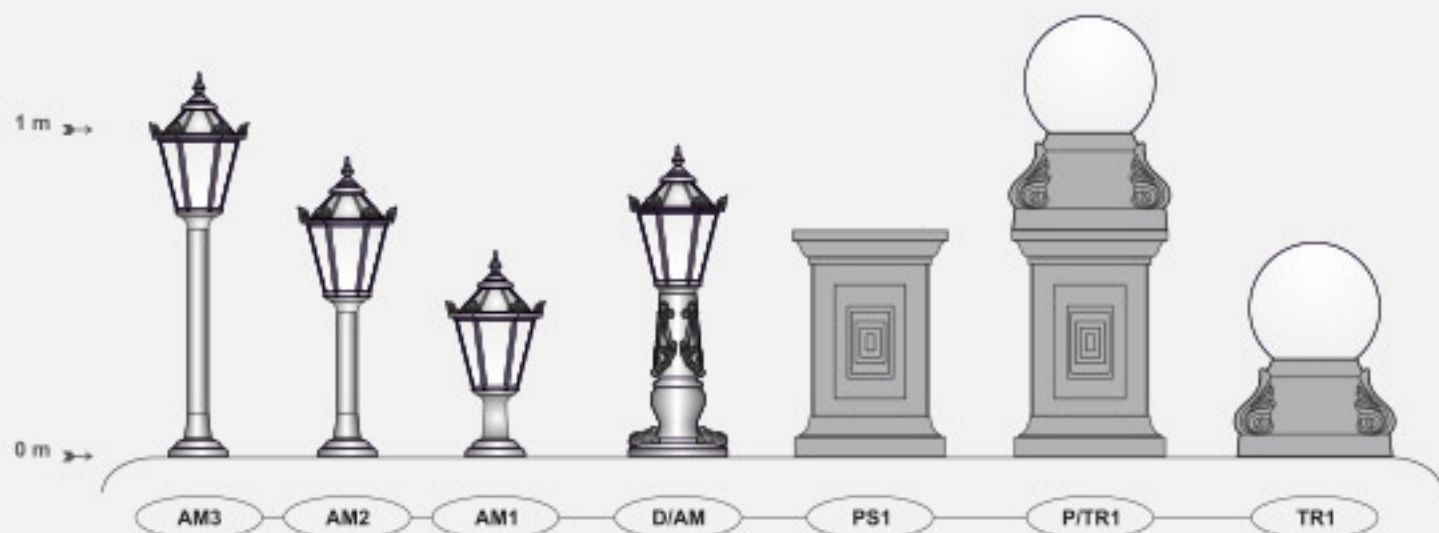
LATARNIE typu O

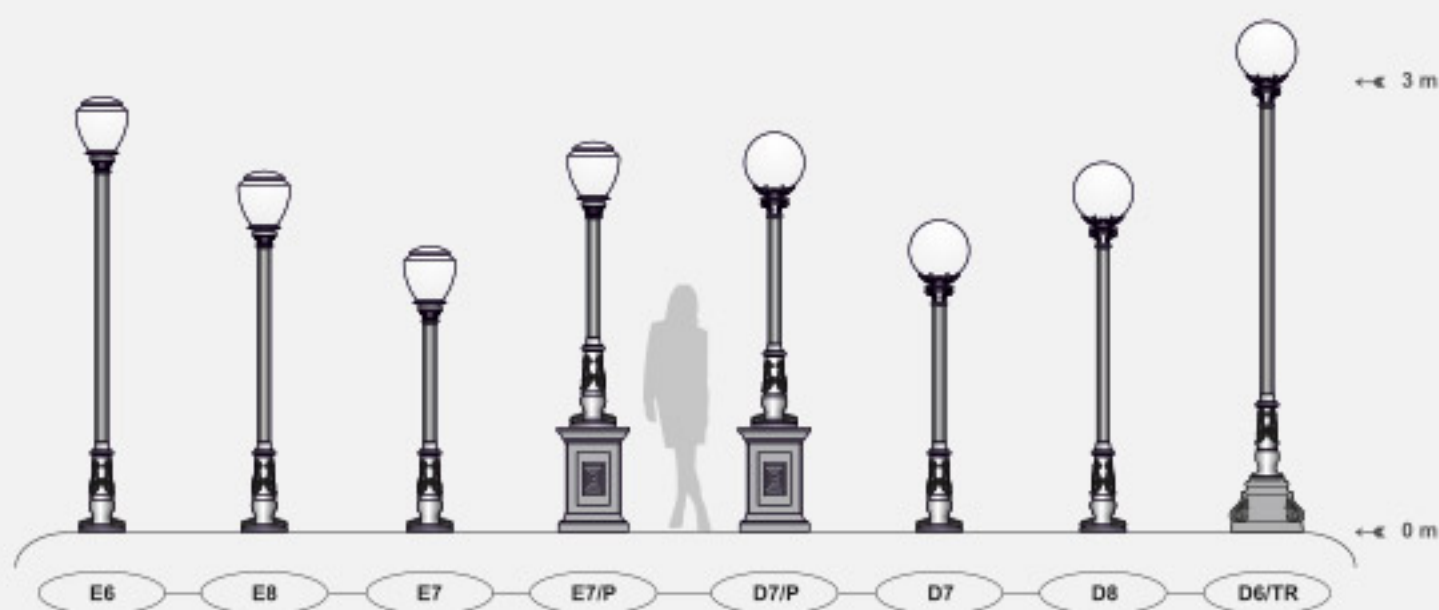
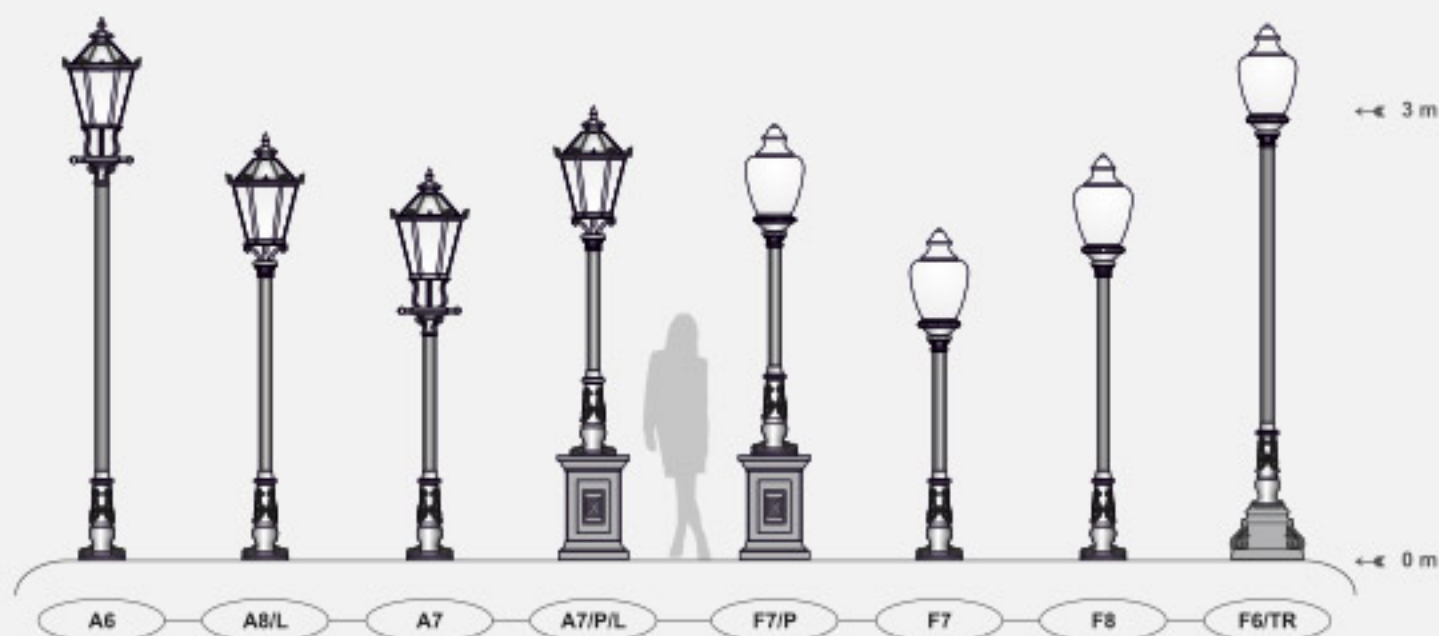
LATARNIE OŚWIATLĄCE I PASECZKI
GARDEN, STYLISZCZAKOWSKI

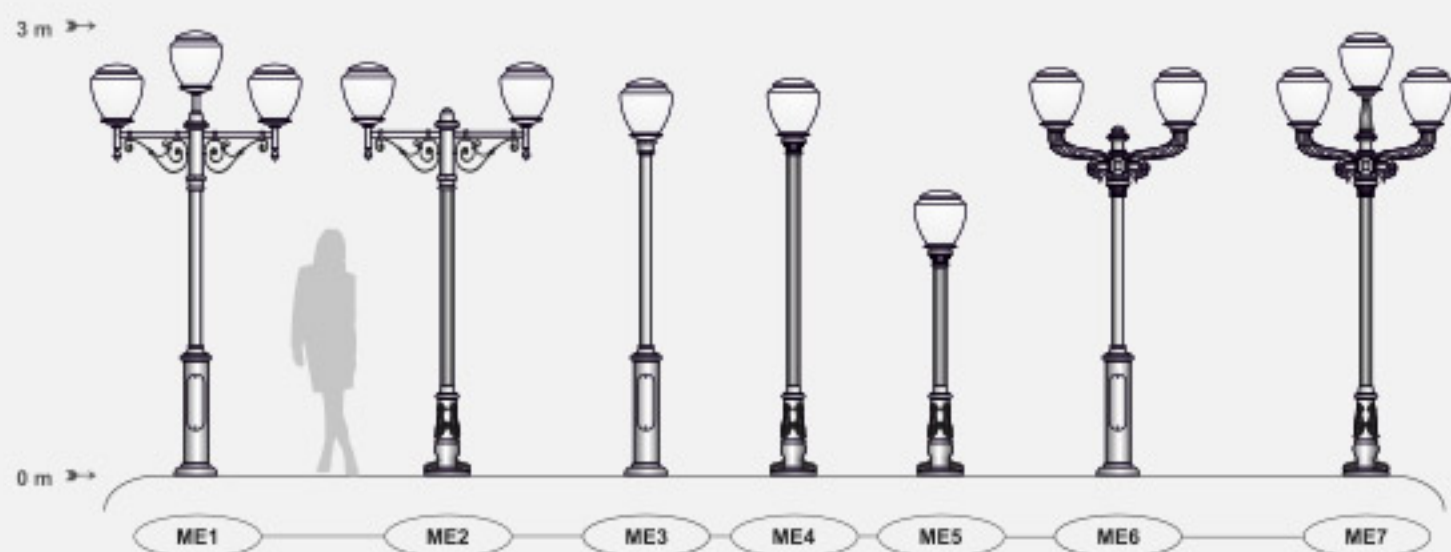
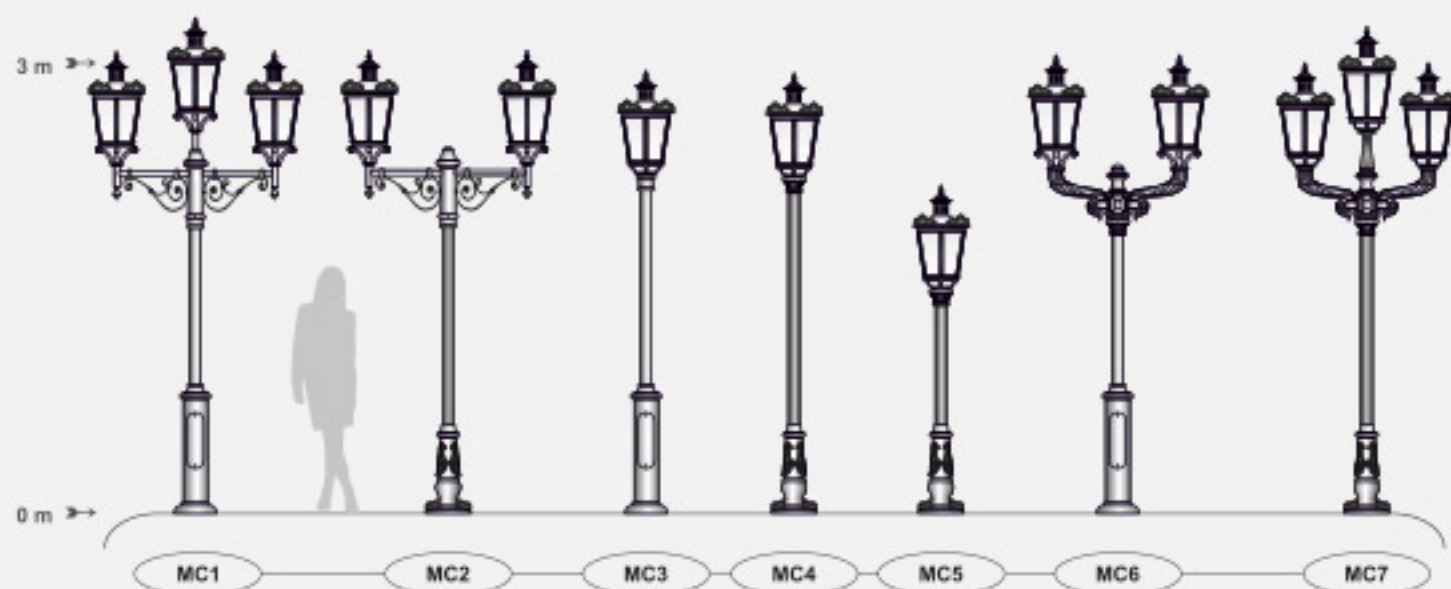
A6
MC
SM
D9

latarnie typu 0

GARDEN & PARK LANTERN, TYPE 0





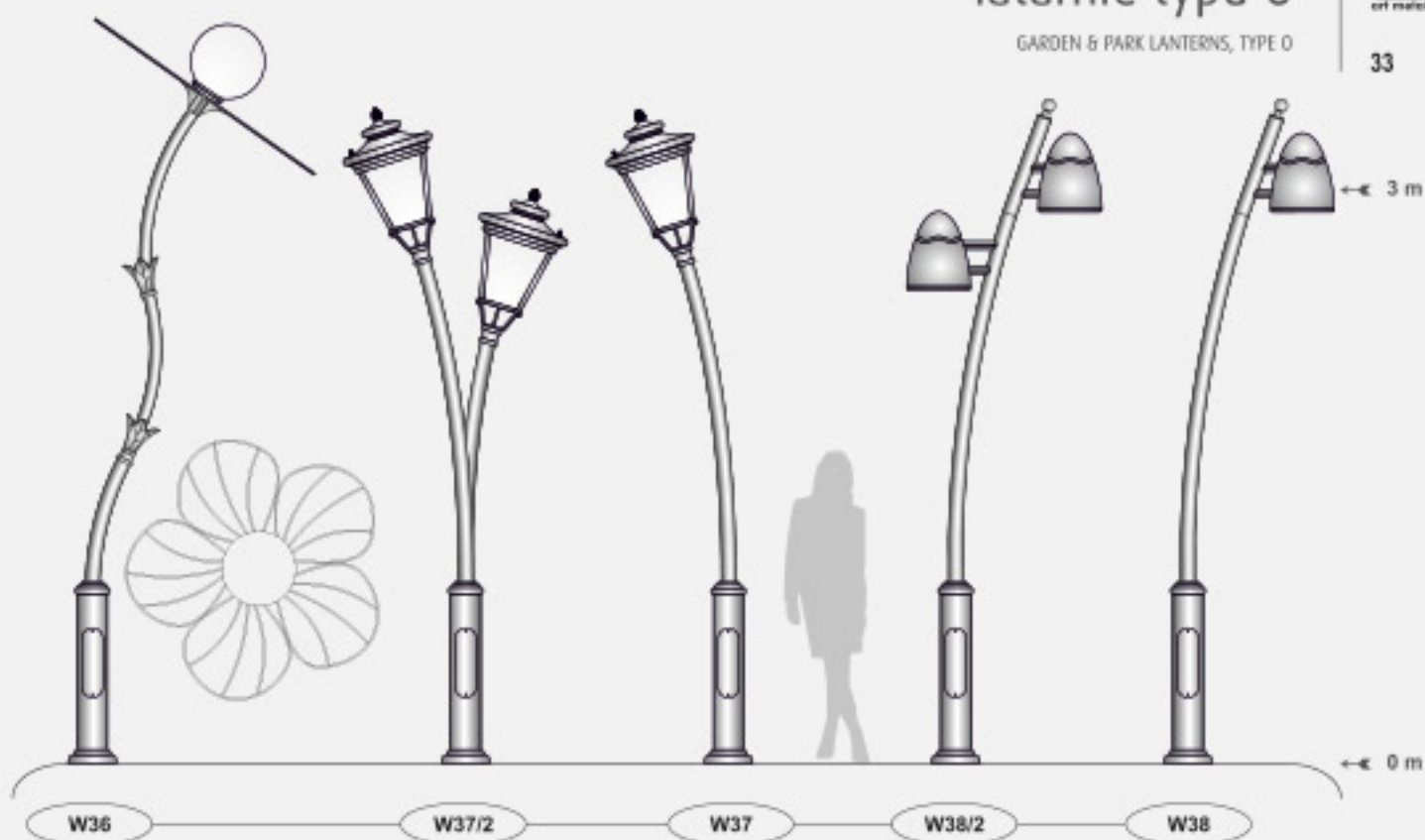


latarnie typu 0

GARDEN & PARK LANTERNS, TYPE 0

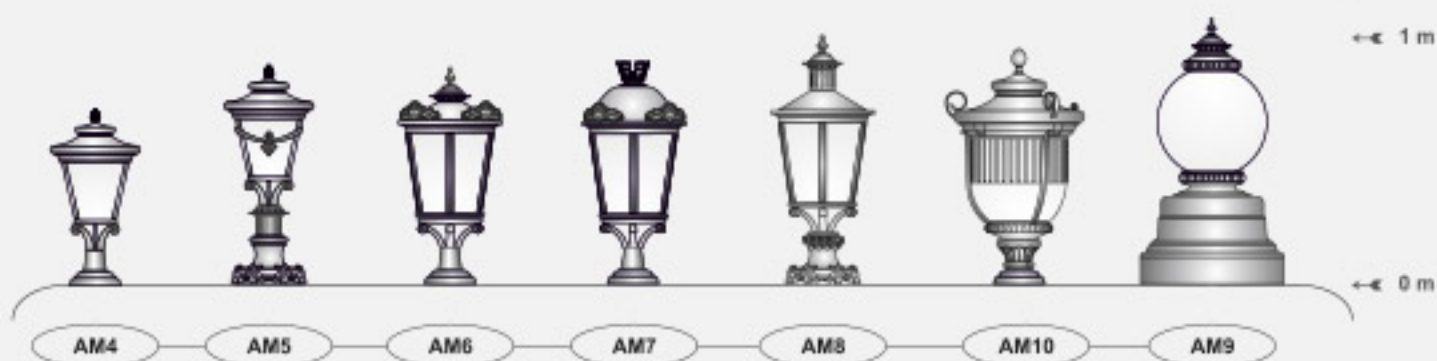


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kandelabry, typ KBR

CANDELABRAS, TYPE „KBR“



2 m →

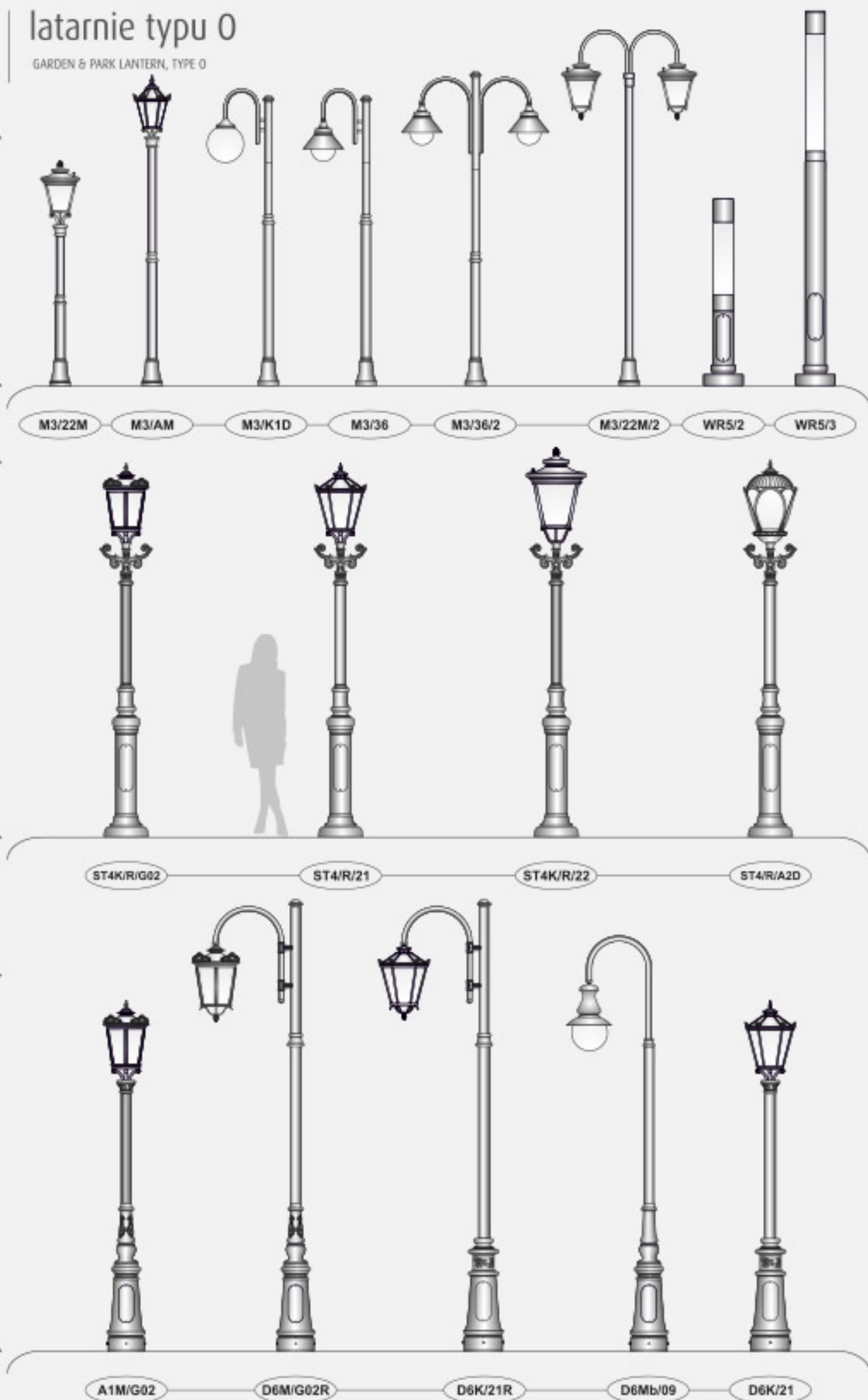
0 m →

3 m →

0 m →

3 m →

0 m →





KANDELABRY

KANDELABRY
CANDELABRAS

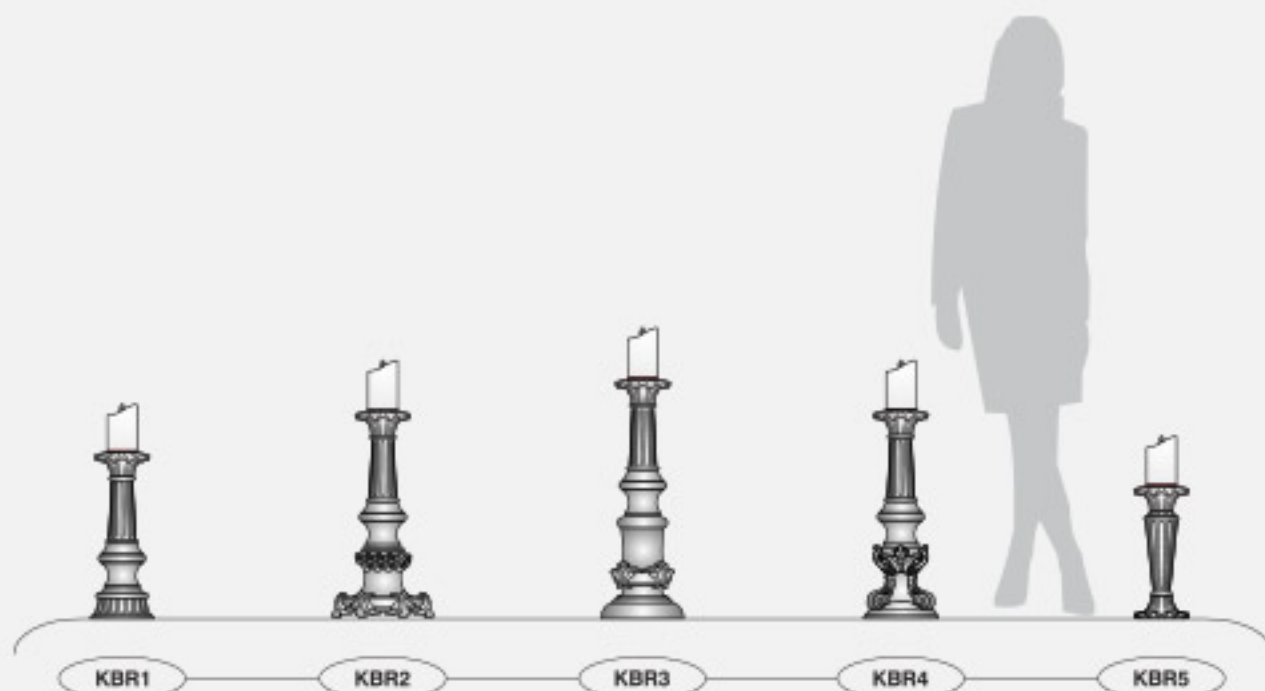
KBR

kandelabry, typ KBR

CANDELABRAS, TYPE KBR

1 m →

0 m →



2 m →

0 m →





LATARNIE typu A

LATARNIE STYLOWE XIX WIECZNE
CLASSICAL NINETEENTH CENTURY STREETLIGHTS

A1A
A1B
GB

latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"



A5A/K2



A3A/K2



A2B/K2



A1A/K2G



A5A/03



A3A/03



A2B/03



A1A/03G



A5A/02



A3A/02



A2B/02



A1A/02L



A5A/01



A3A/01



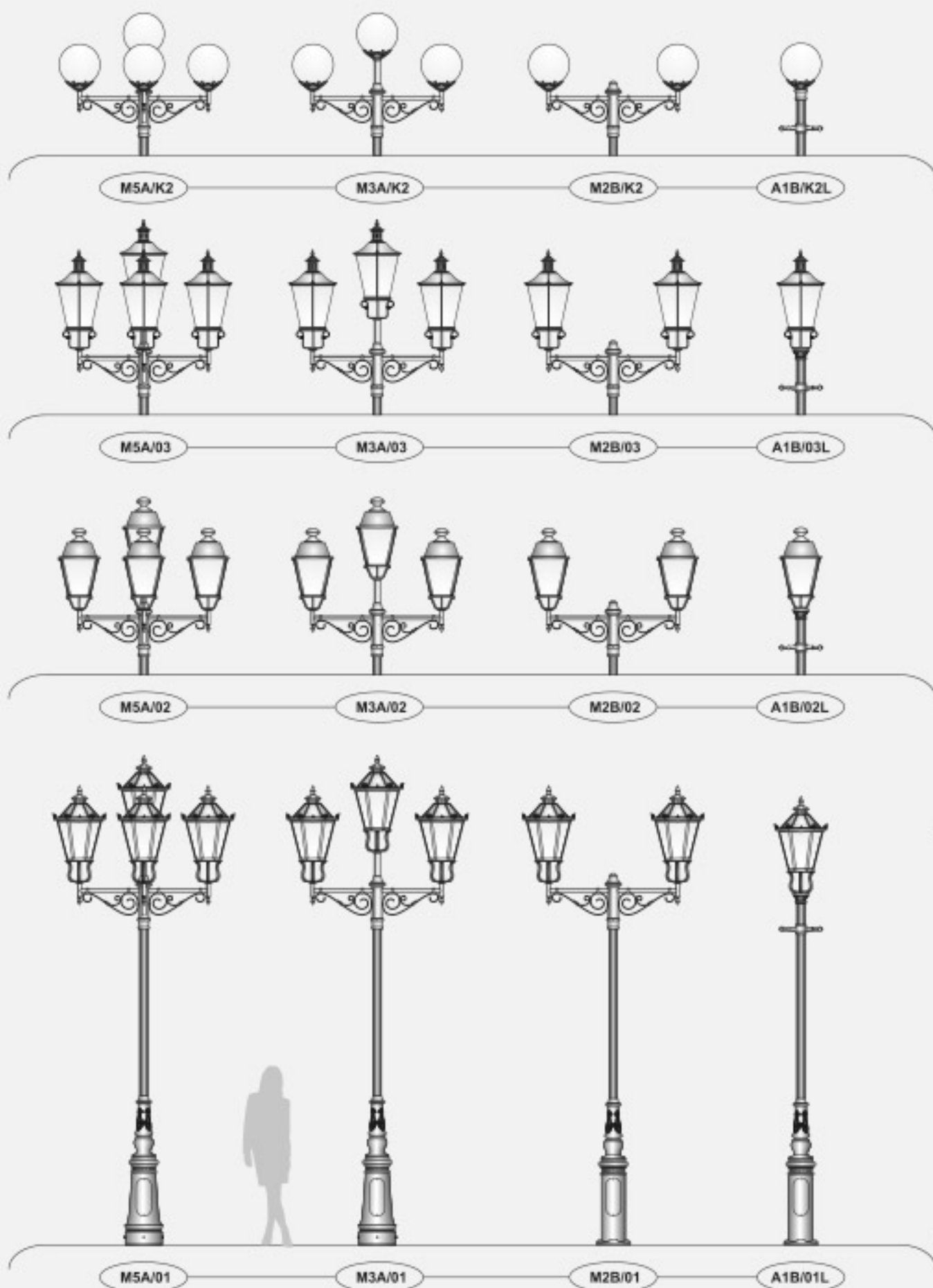
A2B/01



A1A/01G

4 m →

0 m →



latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"



B5A/02



B3A/02



B2B/02



A1A/02L



B5A/03



B3A/03



B2B/03



A1A/03L



B5A/K2



B3A/K2



B2B/K2



A1A/K2L

4 m →



B5A/A2



B3A/A2



B2A/A2



A1A/A2L

0 m →





C5A/A2



C3A/A2



C2B/A2



A1A/A2



C5A/02



C3A/02



C2B/02



A1A/02L



C5A/03



C3A/03



C2B/03



A1A/03L



C5A/01/O



C3A/01



C2B/01



A1A/01L

← 4 m

← 0 m

latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"



H5A/K2



H3A/K2



H2B/K2



A1A/K2G



H5A/03



H3A/03



H2B/03



A1A/03



H5A/19



H3A/19



H2B/19



A1A/19



H5A/22B



H3A/22B



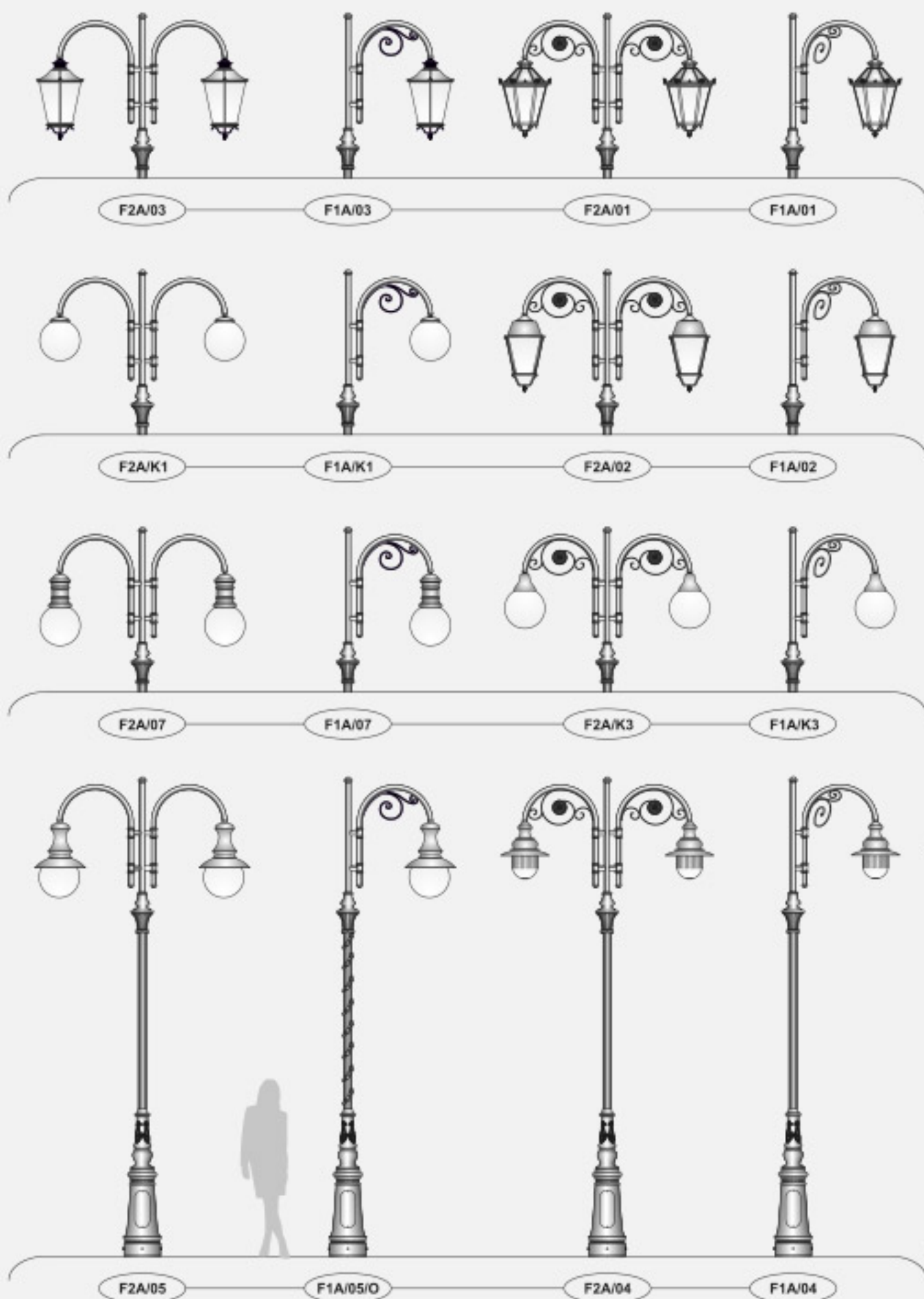
H2B/22B



A1A/22B

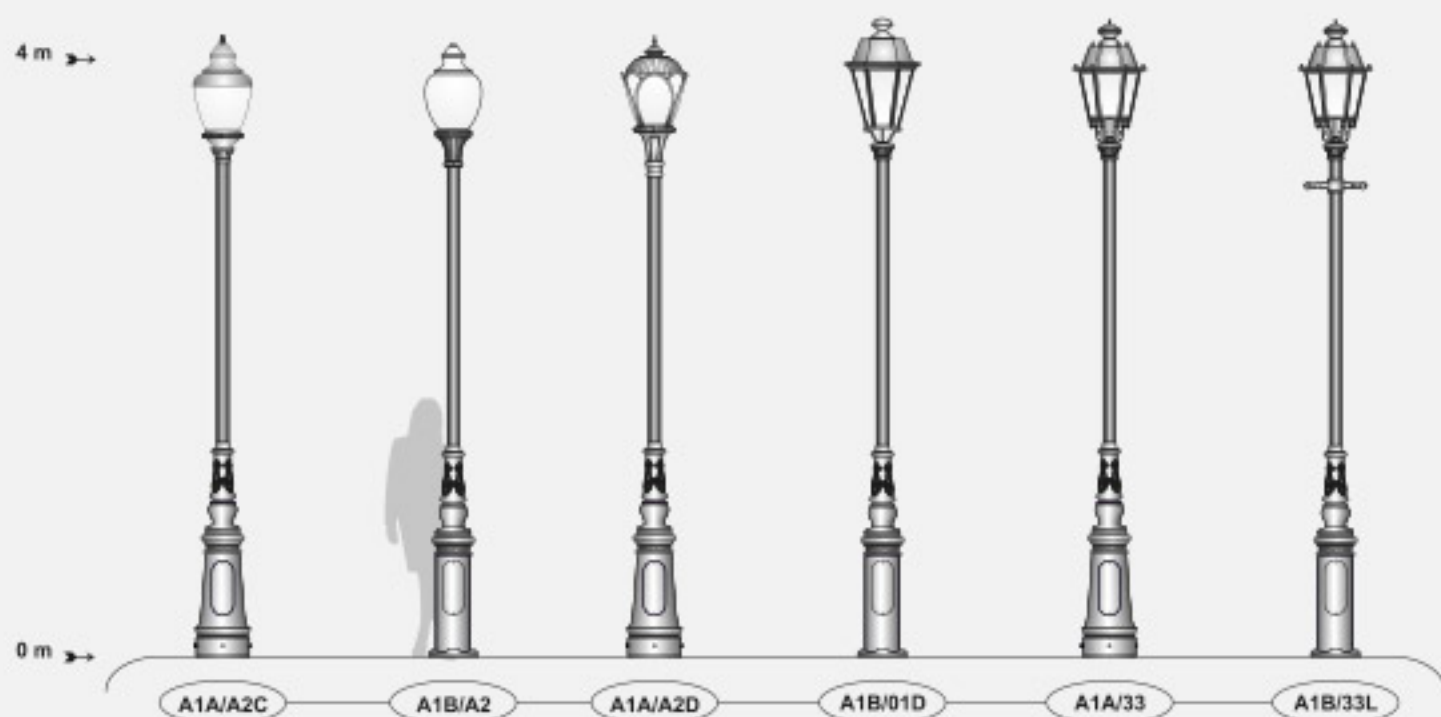
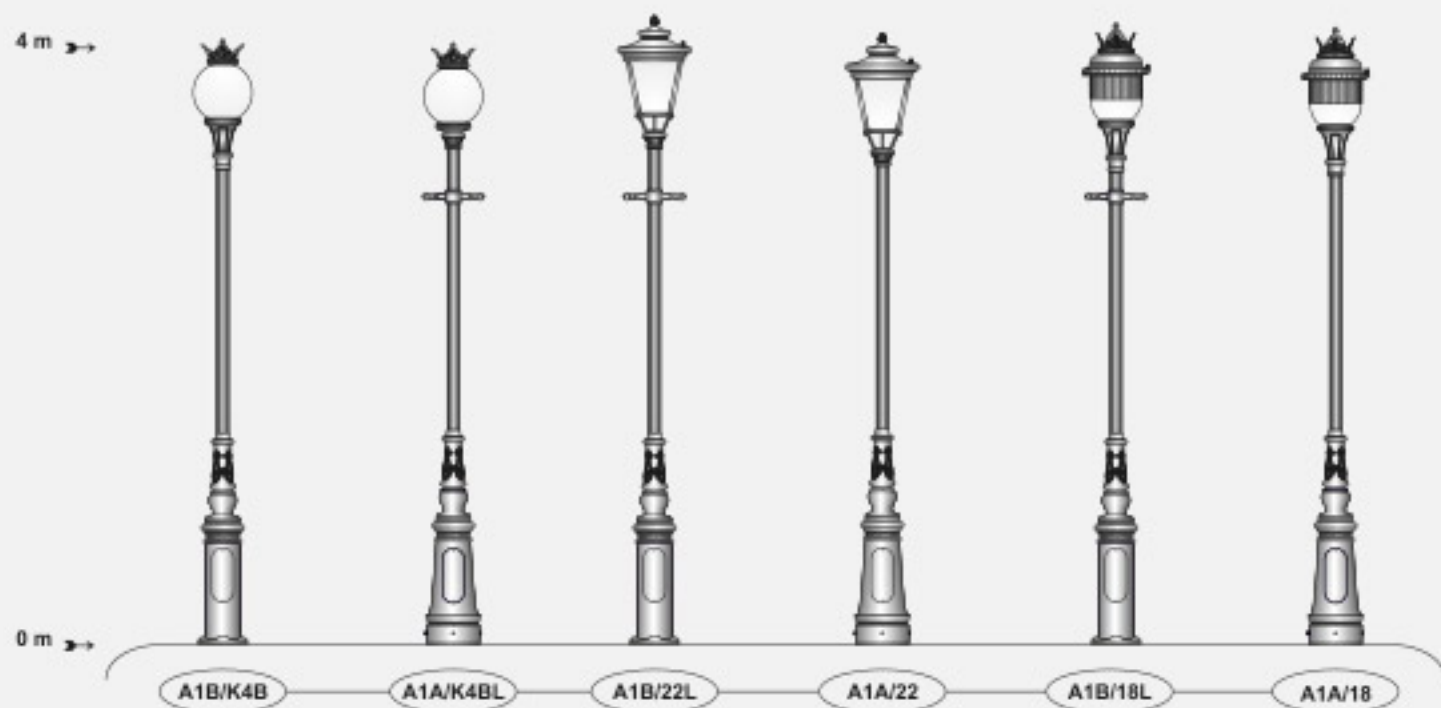
4 m →

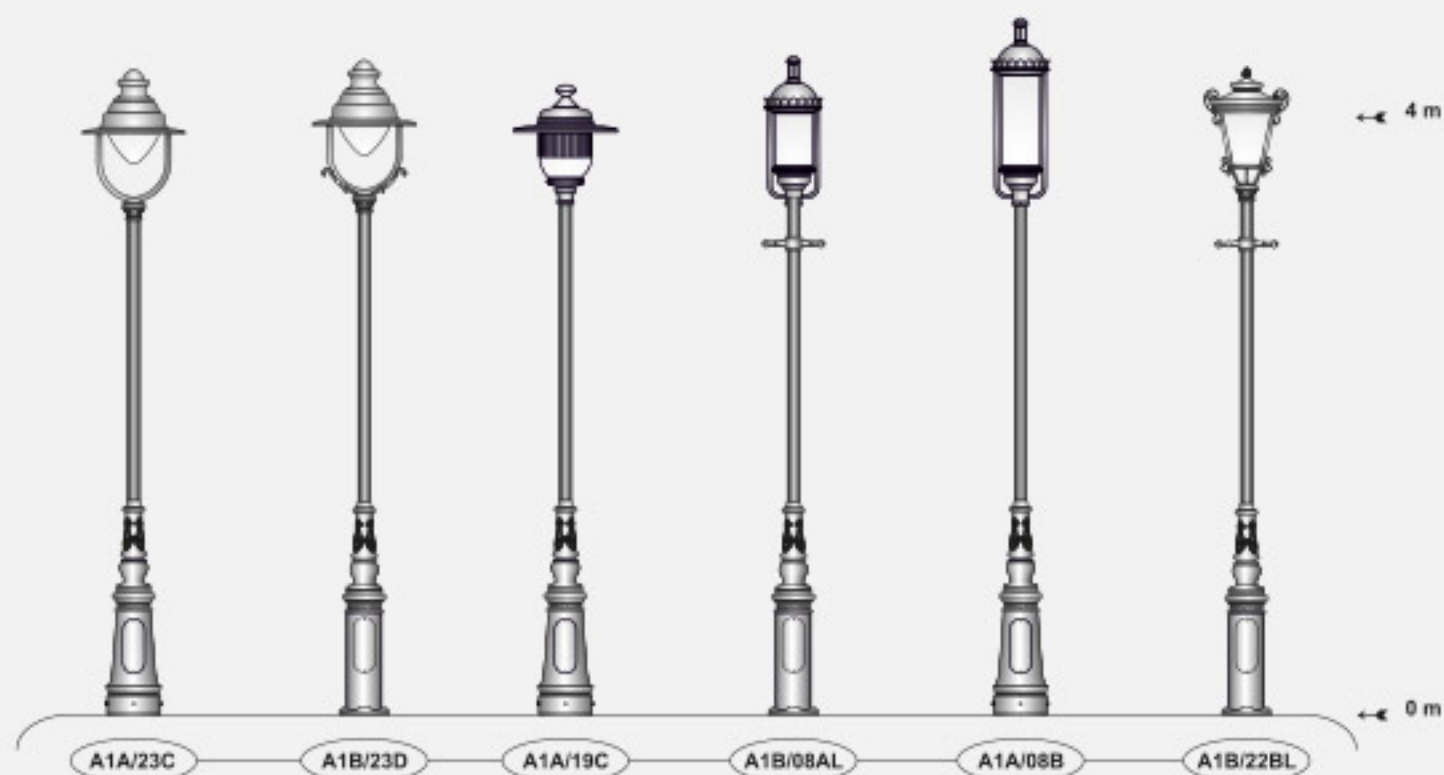
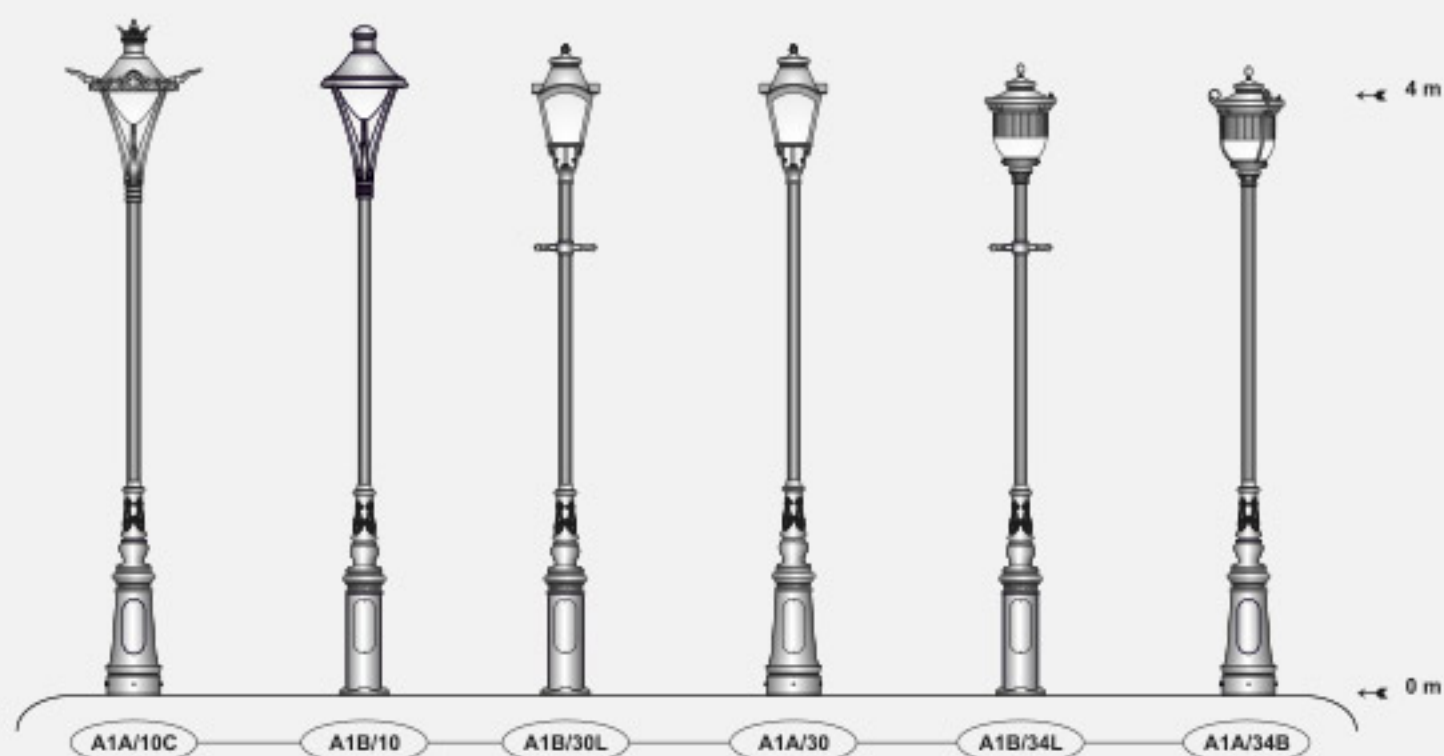
0 m →



latarnie typu A

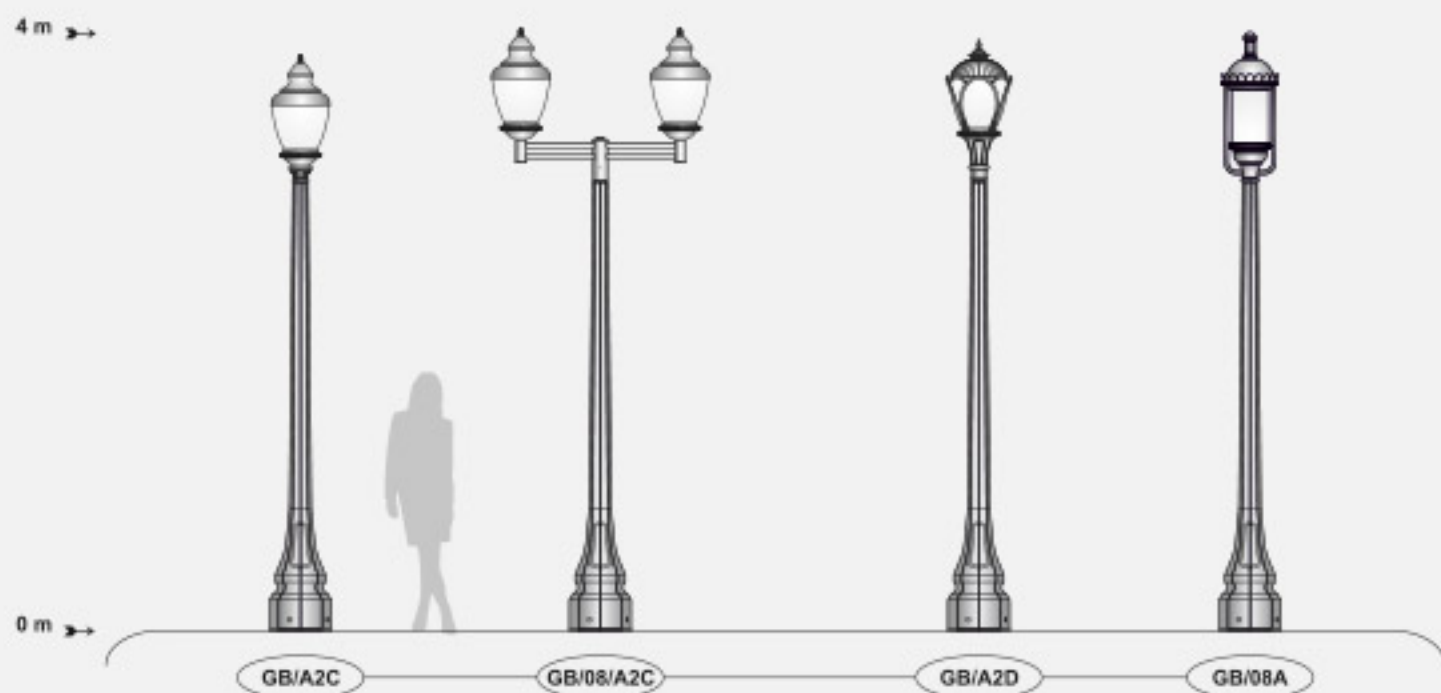
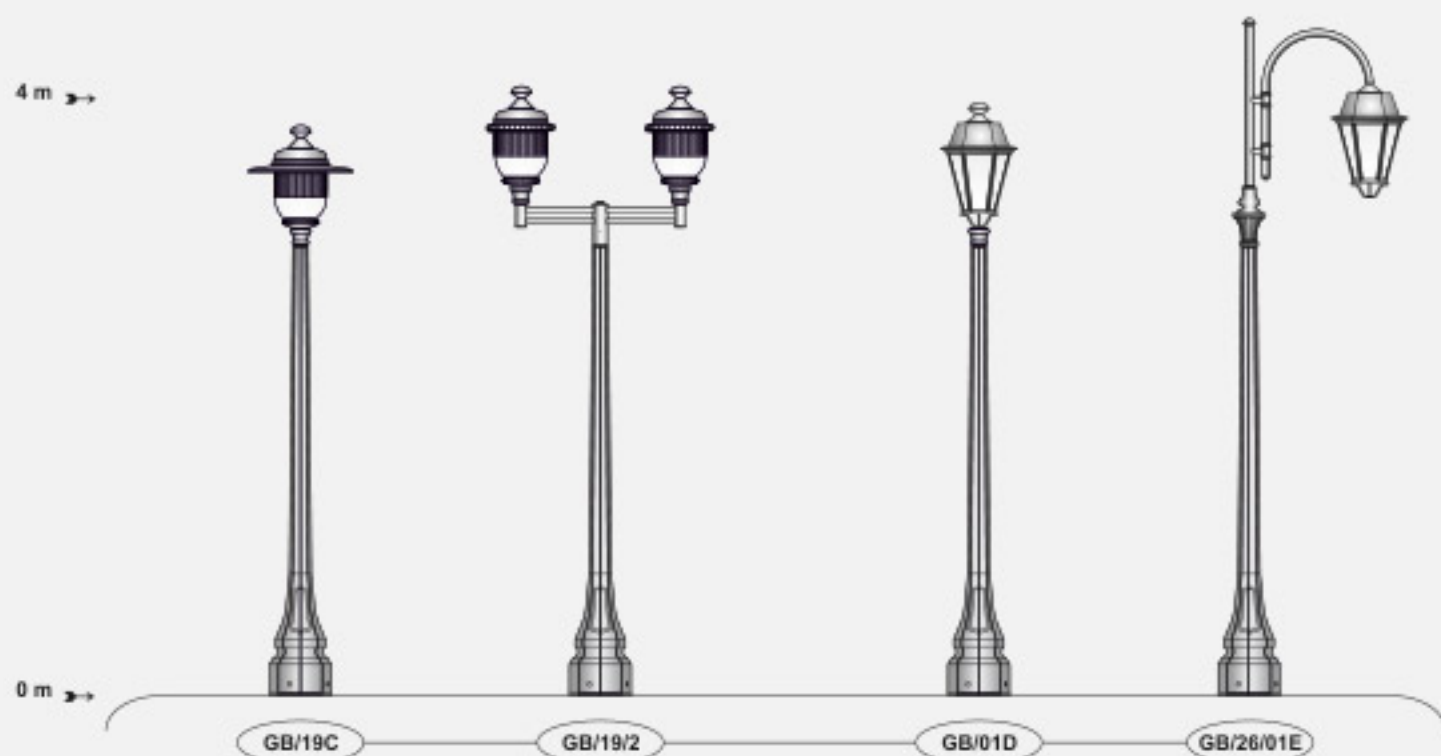
CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"





latarnie typu GB

CLASSICAL STREETLIGHTS, TYPE "GB"

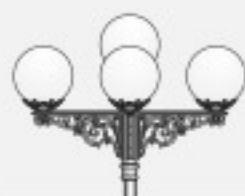




LATARNIE typu ST

LATARNIE STYLIZOWANE
STYLE STREETLIGHTS

ST1
ST2
ST3
ST4



ST1/290/5



ST1/291



ST4/292



ST1/K2G



ST1/13K/5



ST1/13



ST4/14



ST1/02G



ST1/5K/5



ST1/5



ST4/6



ST1/01G



ST1/9K/5



ST1/9



ST4/10

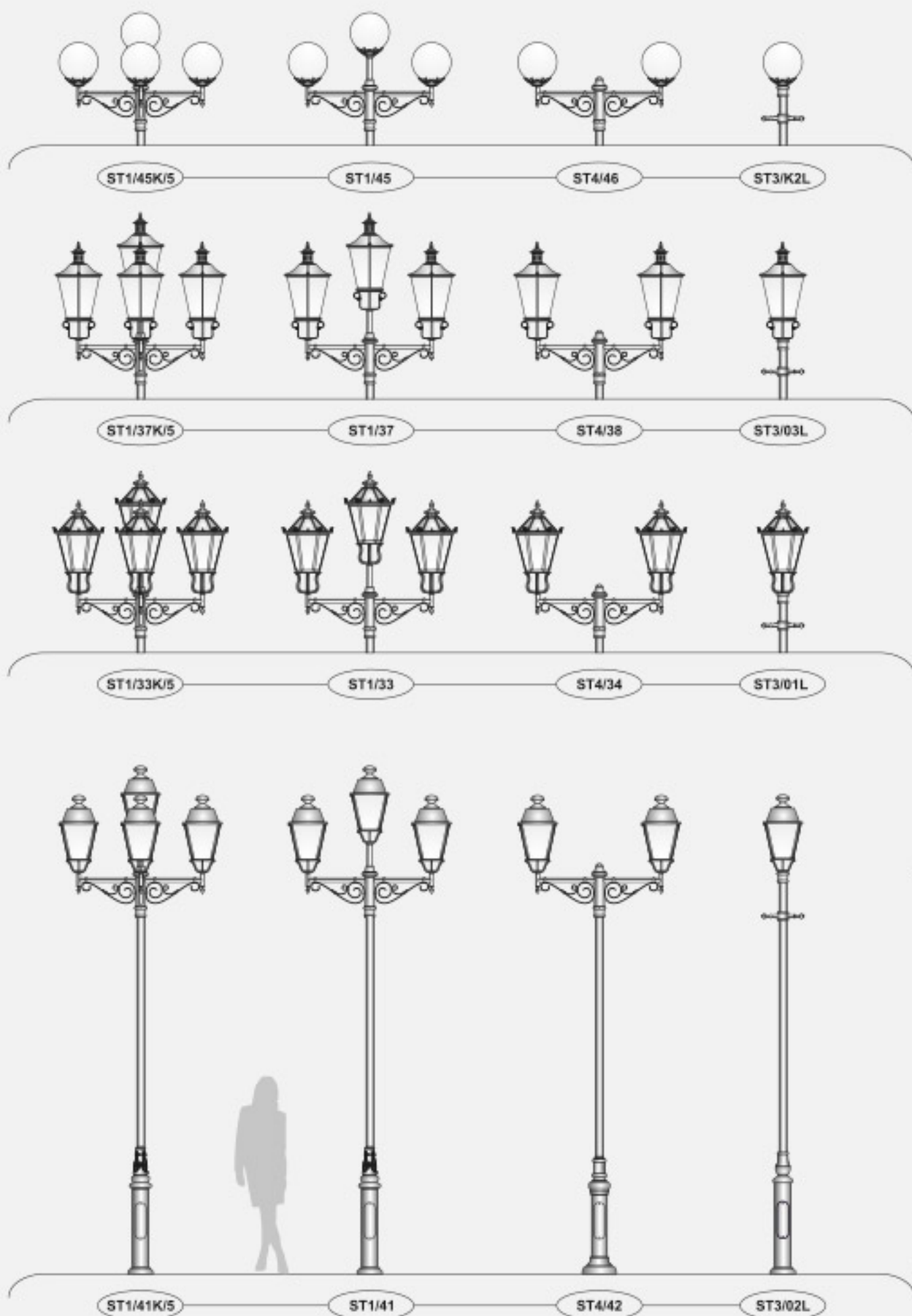


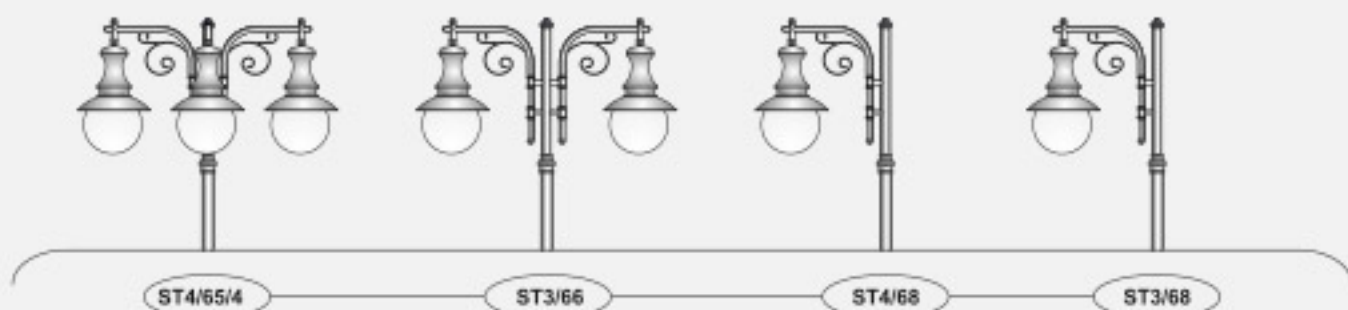
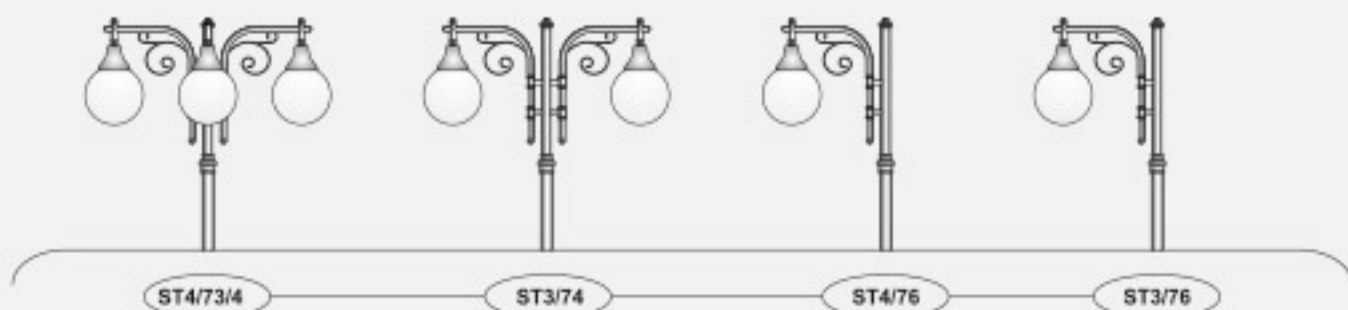
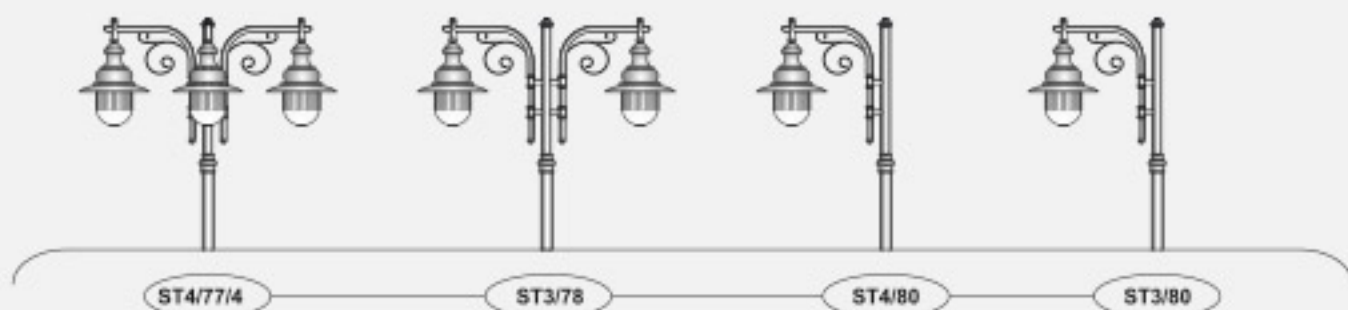
ST1/03G

4 m →

0 m →

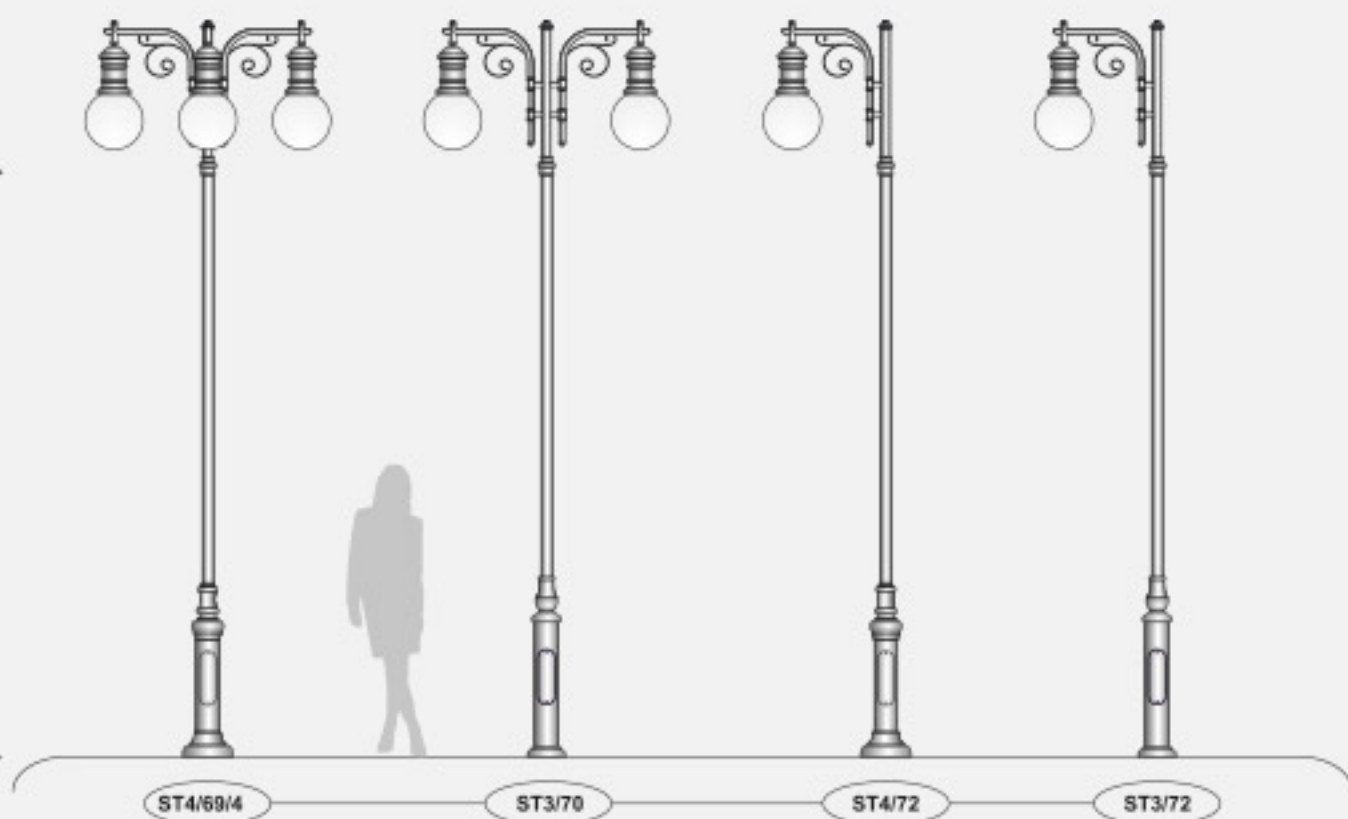


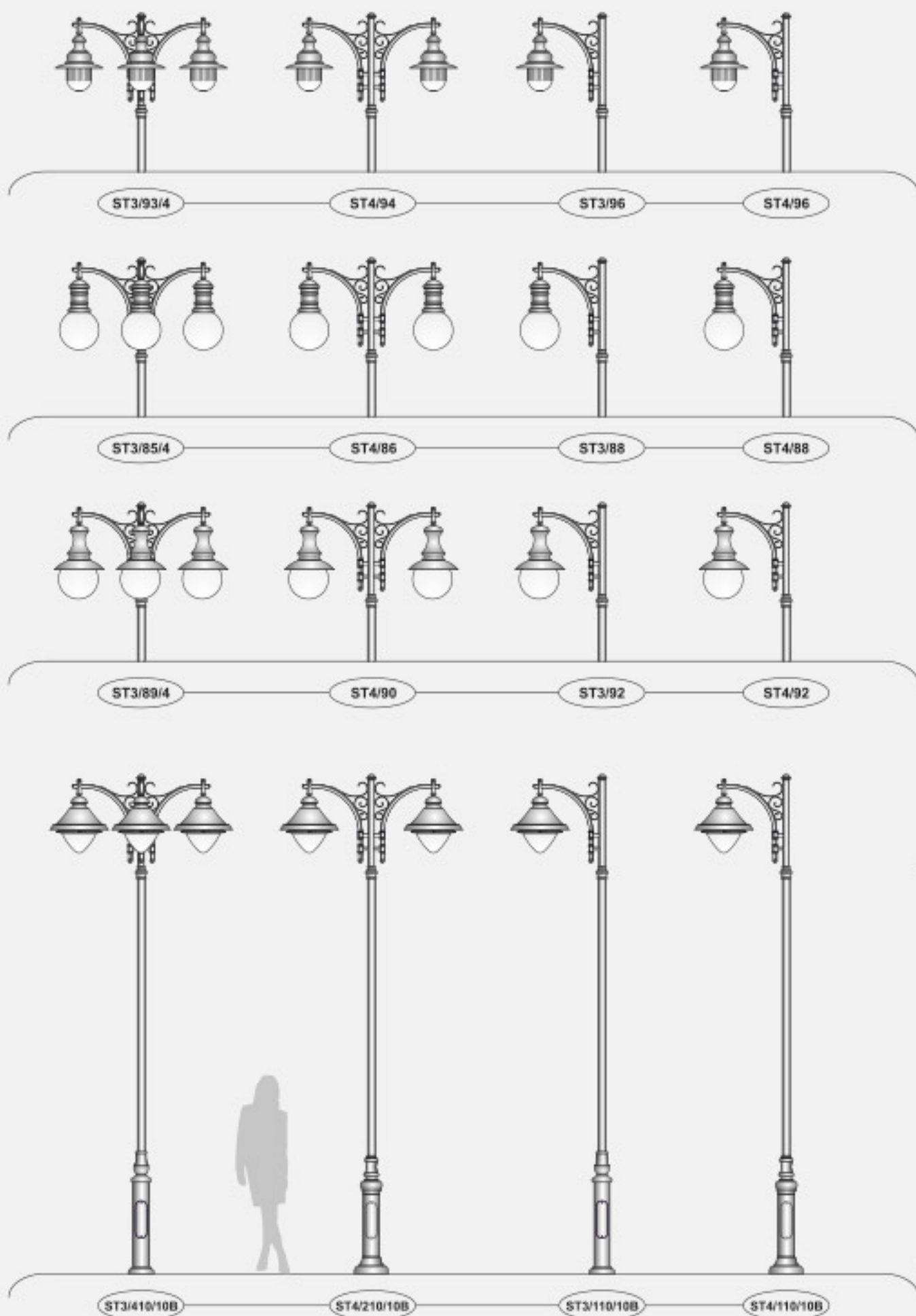


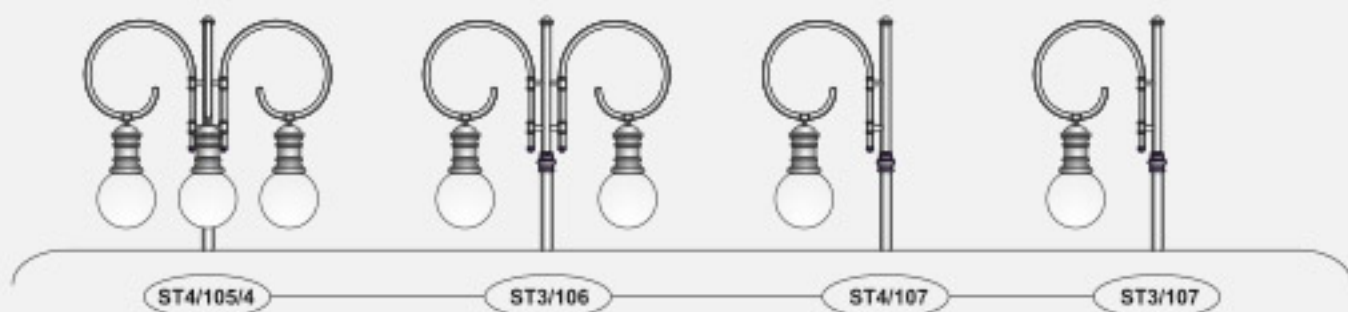
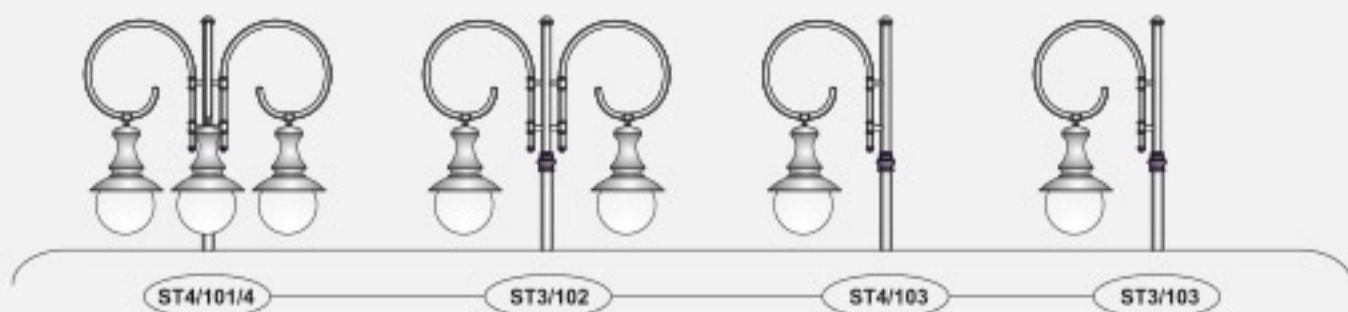
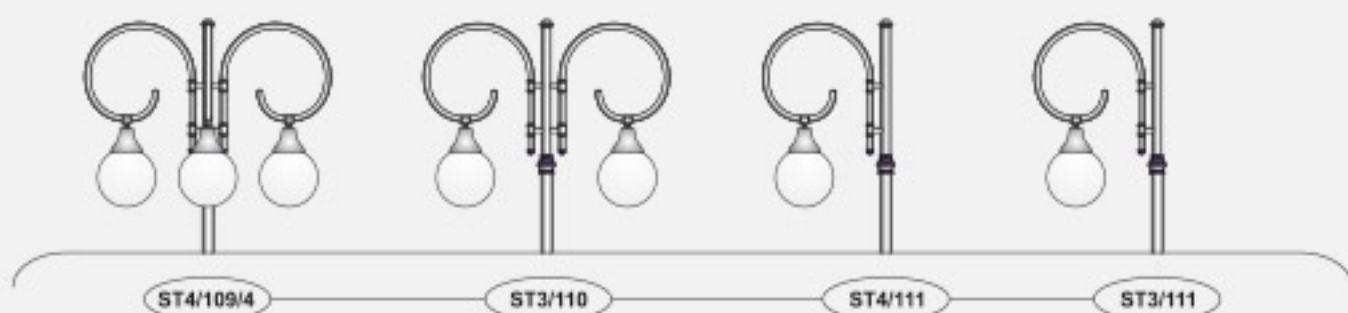


4 m →

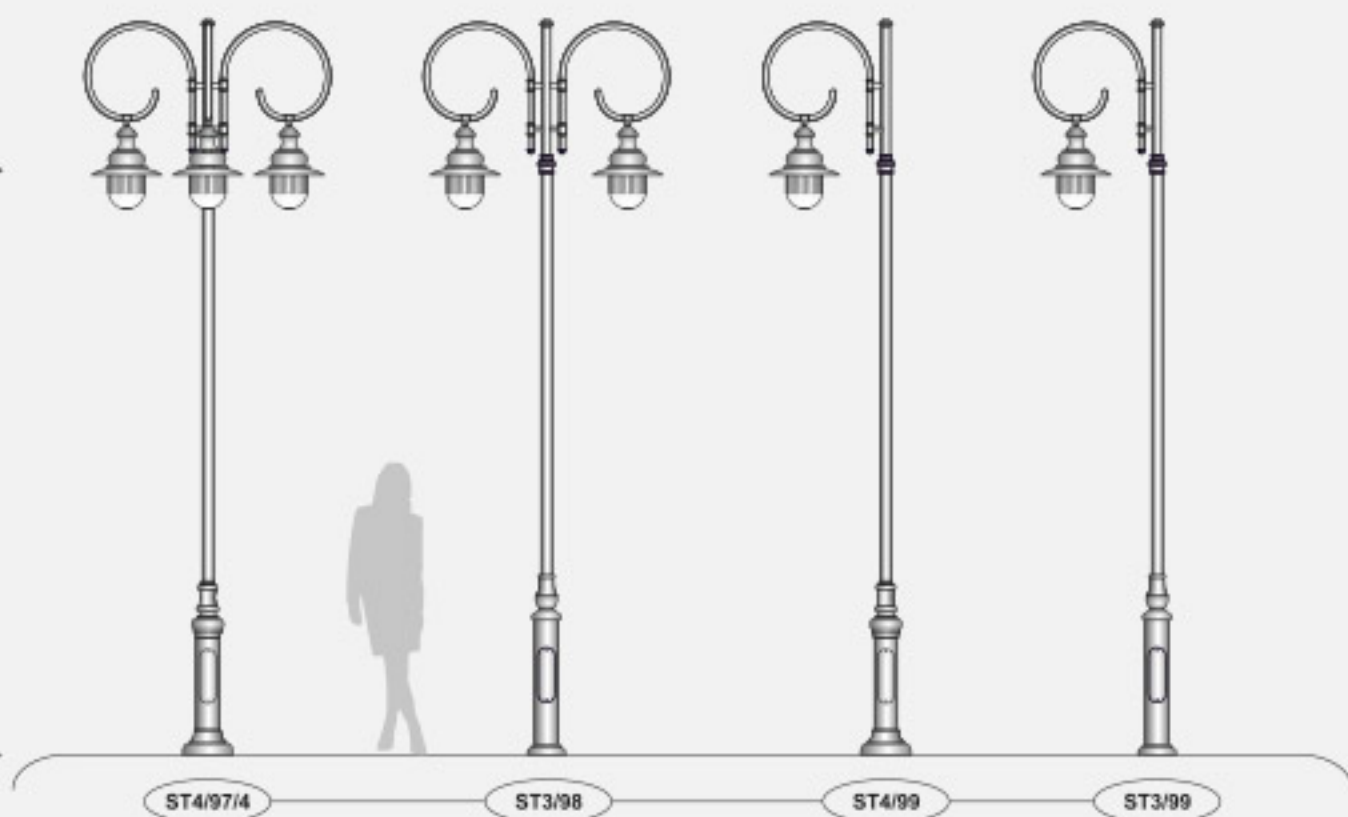
0 m →



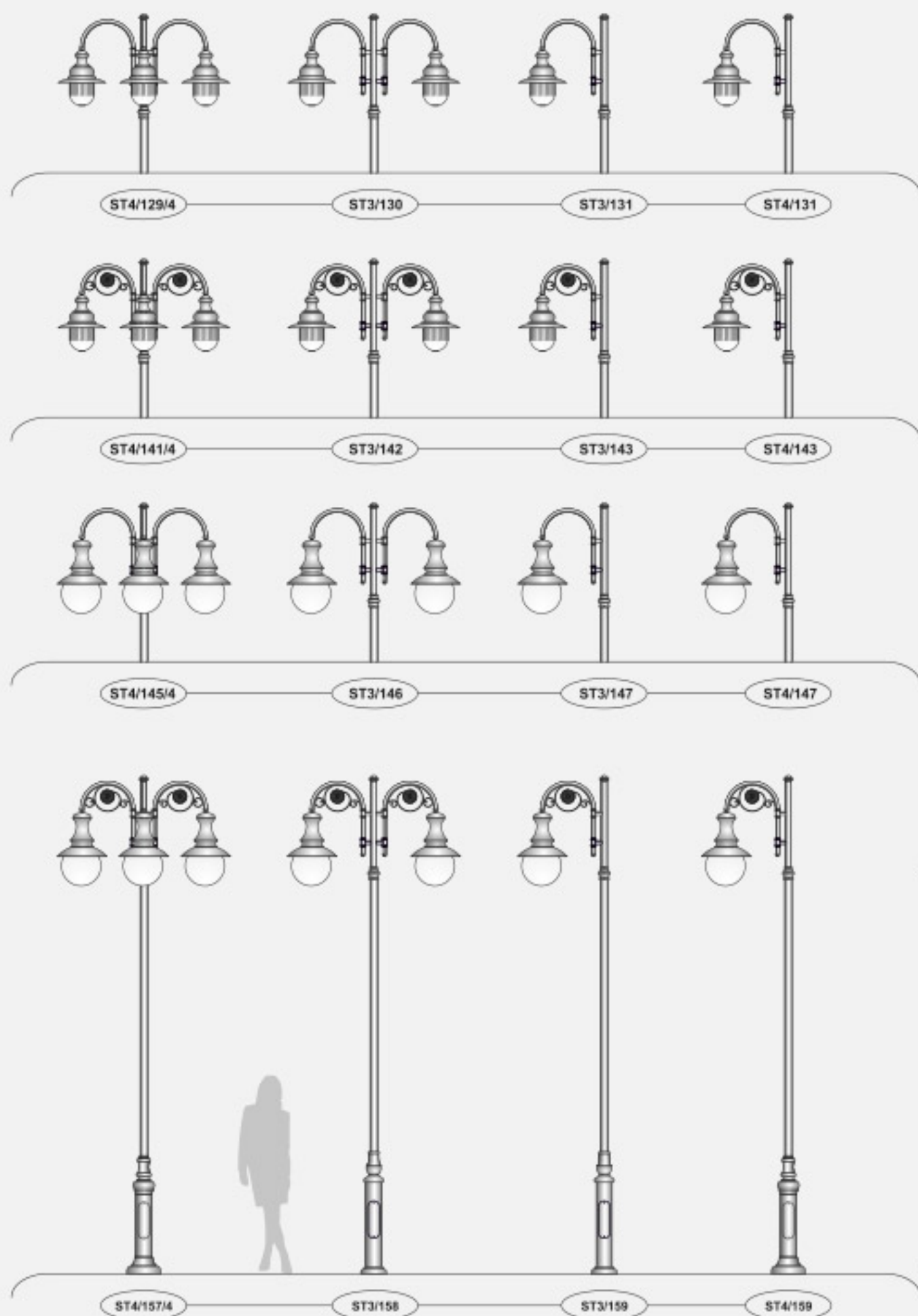




4 m →



0 m →



latarnie typu ST

STYLE STREETLIGHTS, TYPE "ST"



ST3/161/4



ST4/162



ST3/163



ST4/163



ST3/177/4



ST4/178



ST3/179



ST4/179



ST3/450



ST4/451



ST3/452



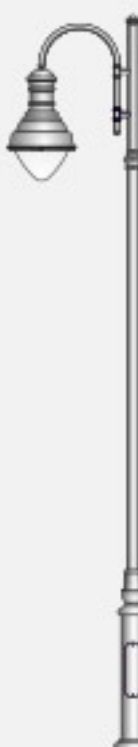
ST4/452



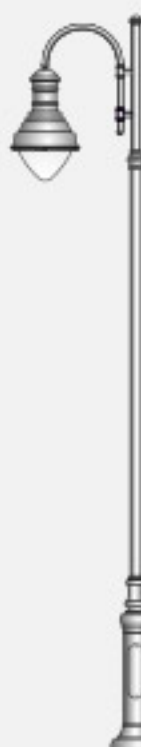
ST3/453



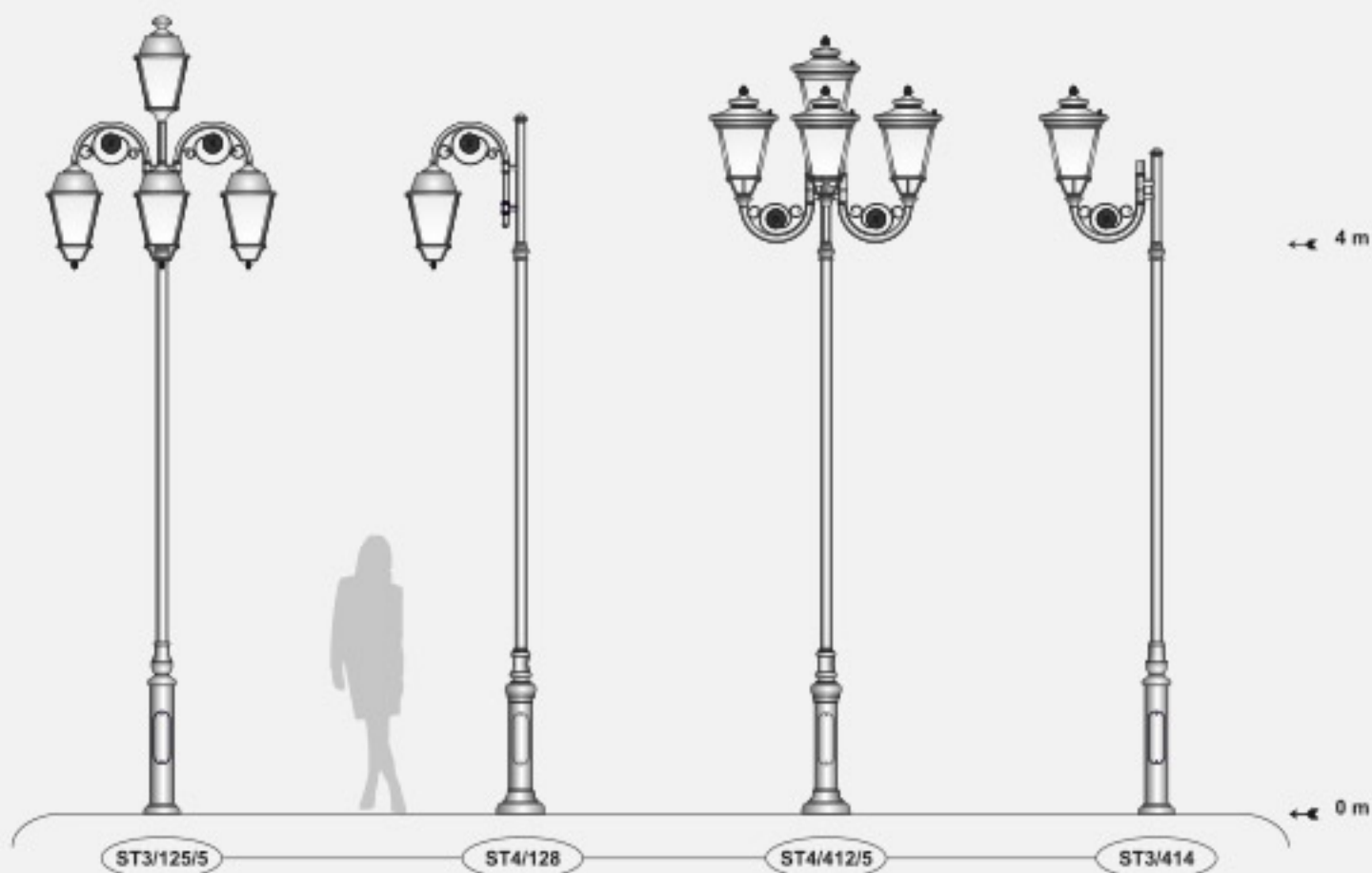
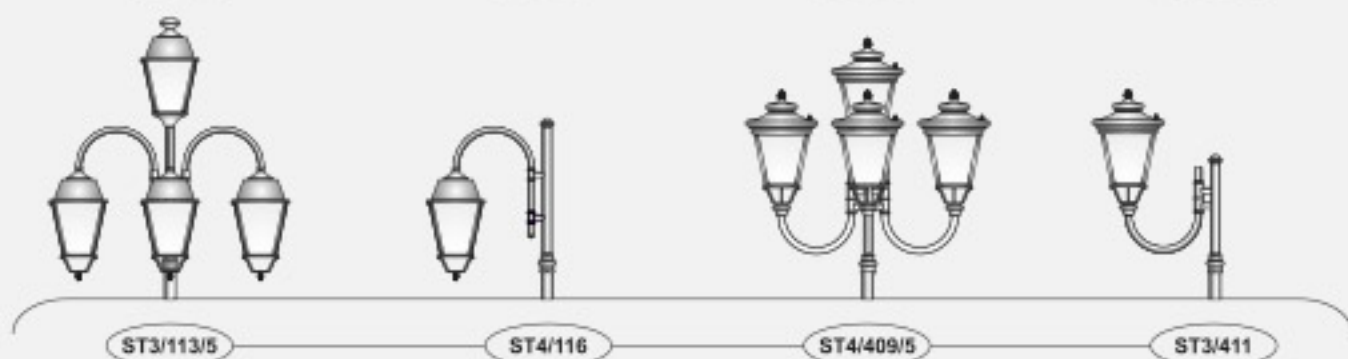
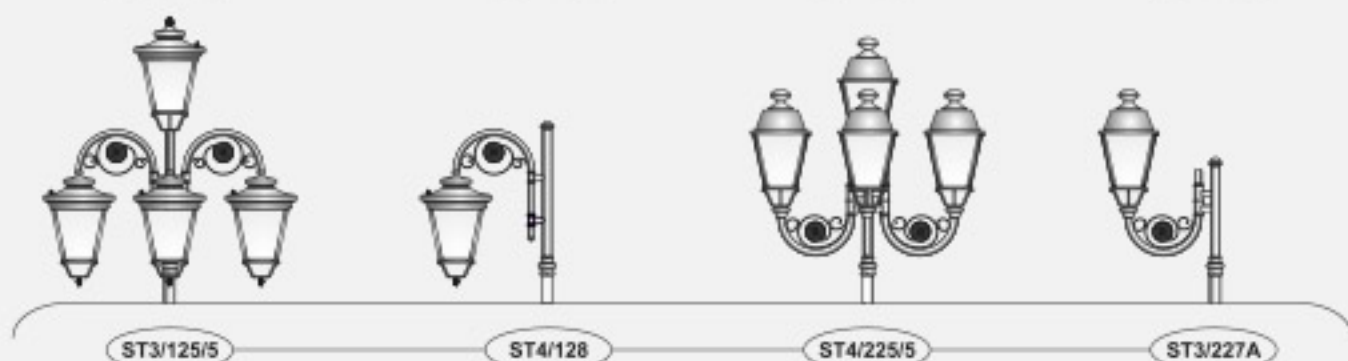
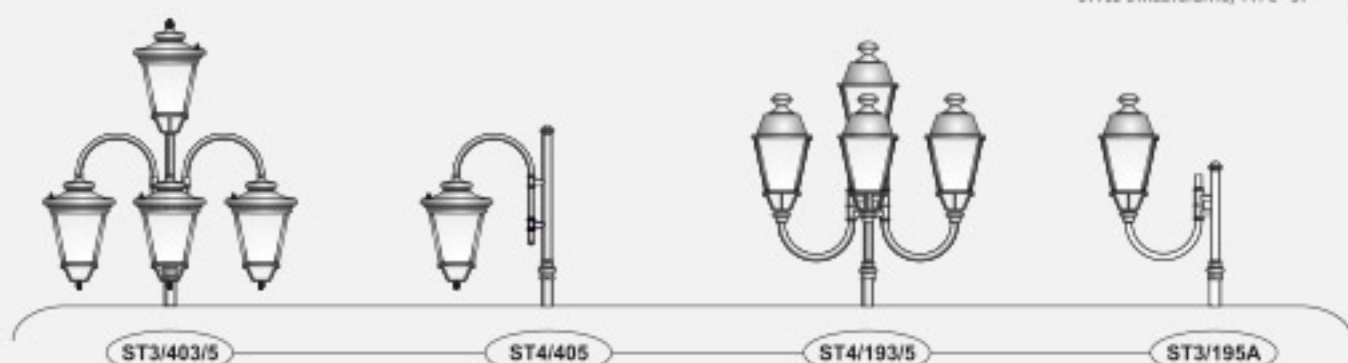
ST4/454



ST3/455



ST4/455





ST4/314/5



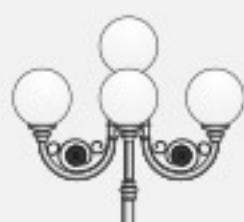
ST3/315



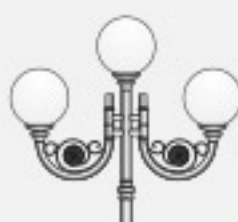
ST4/316



ST3/316B



ST4/229/5



ST3/230



ST4/231



ST3/213B



ST4/201/5



ST3/202



ST4/203



ST3/203B



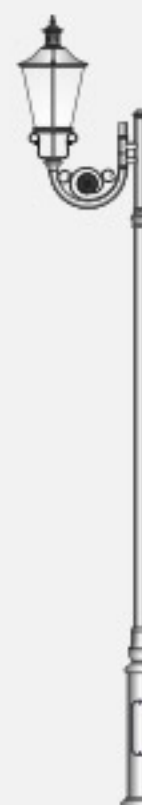
ST4/311/5



ST3/312



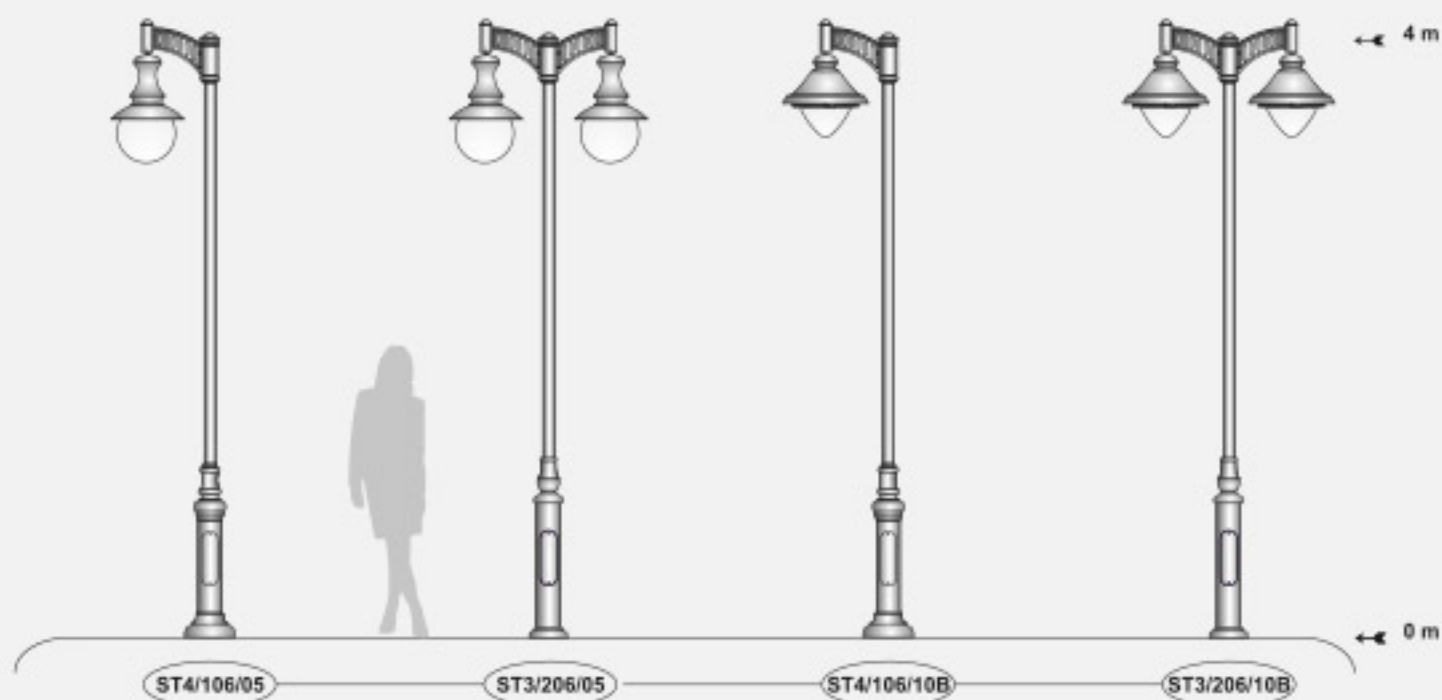
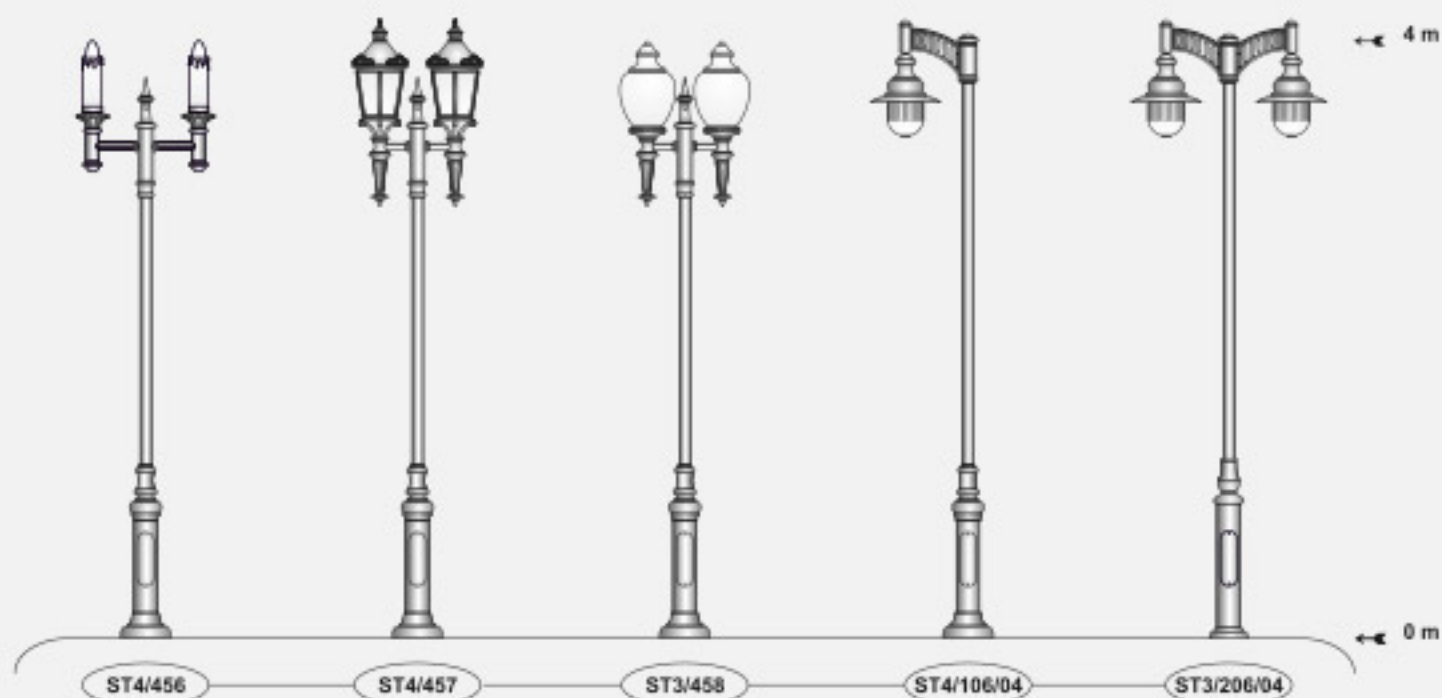
ST4/313

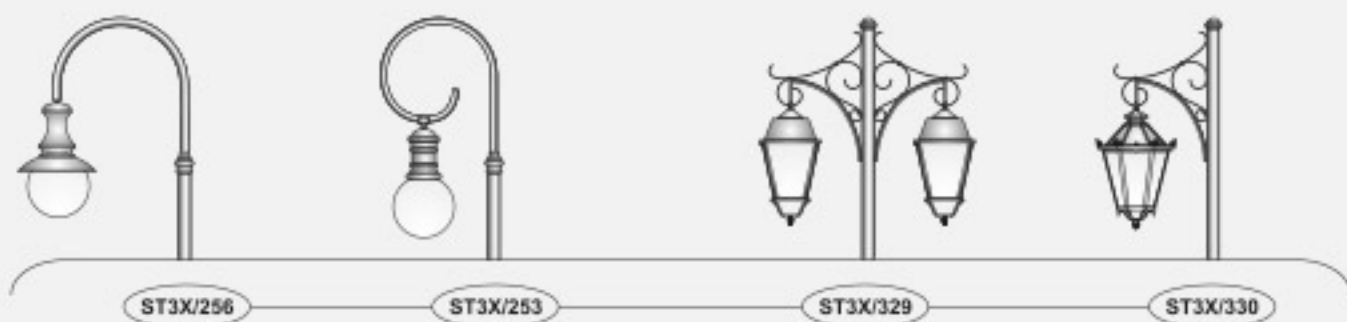


ST3/313B

4 m →

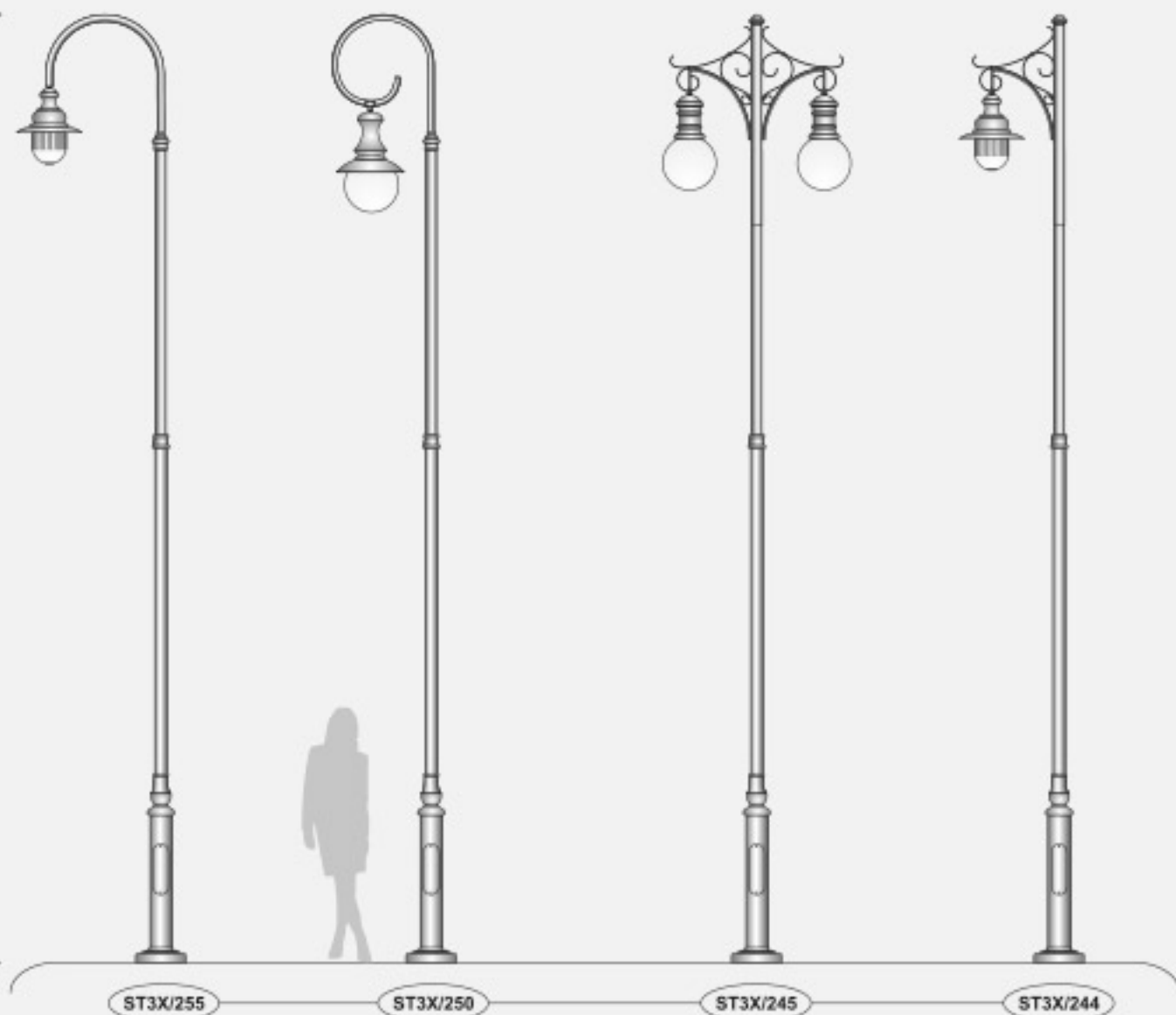
0 m →

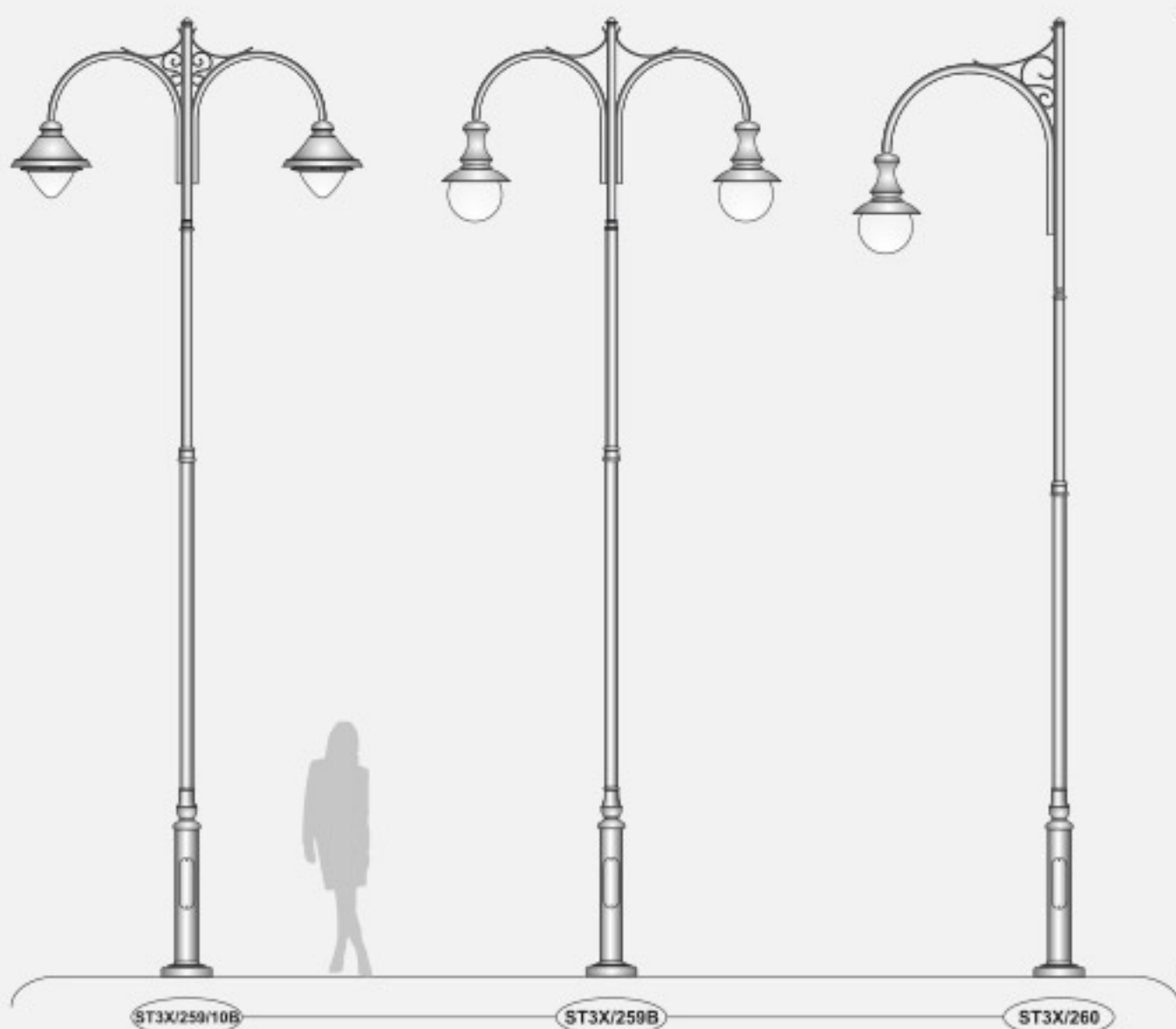


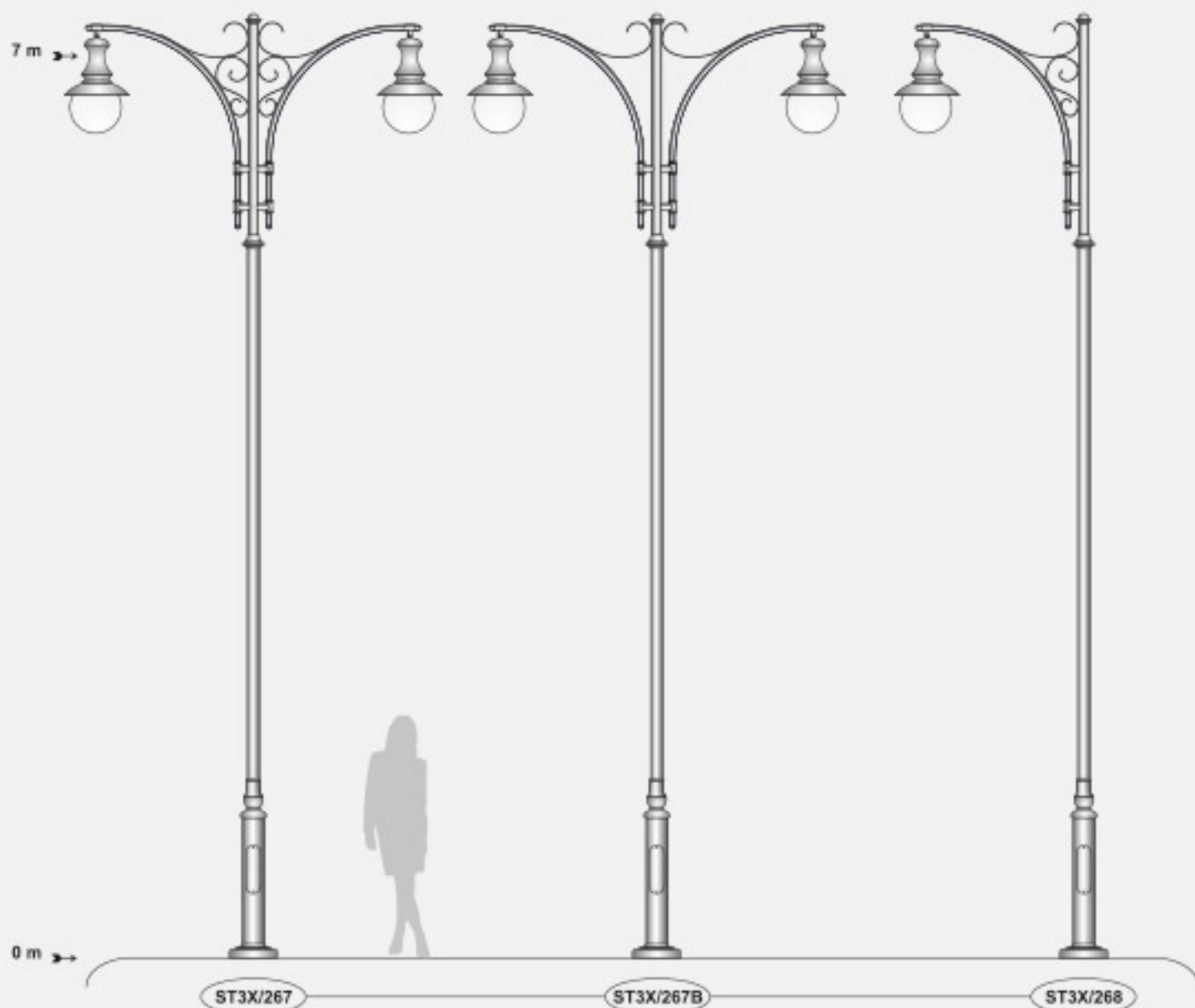
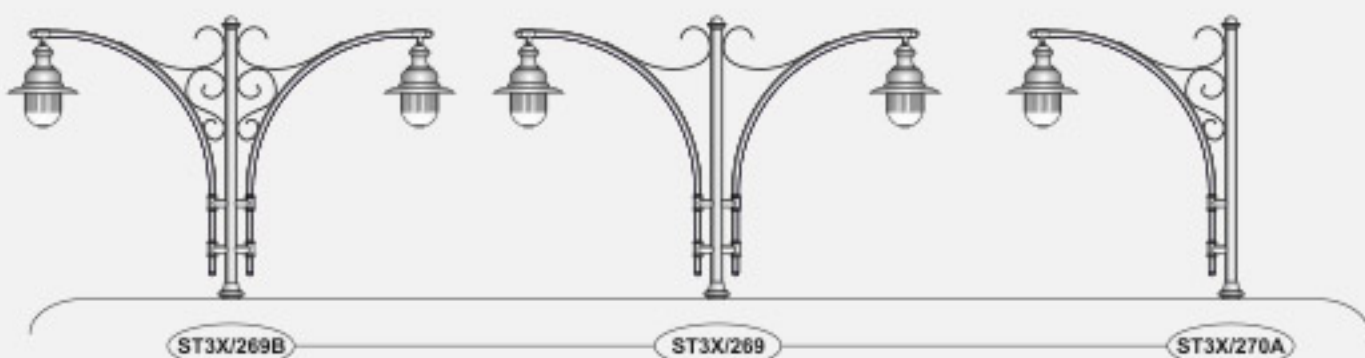
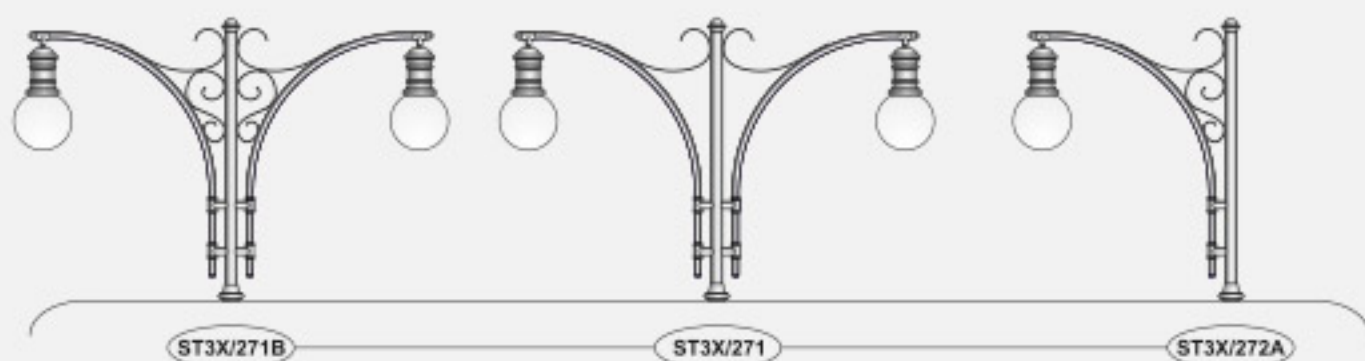


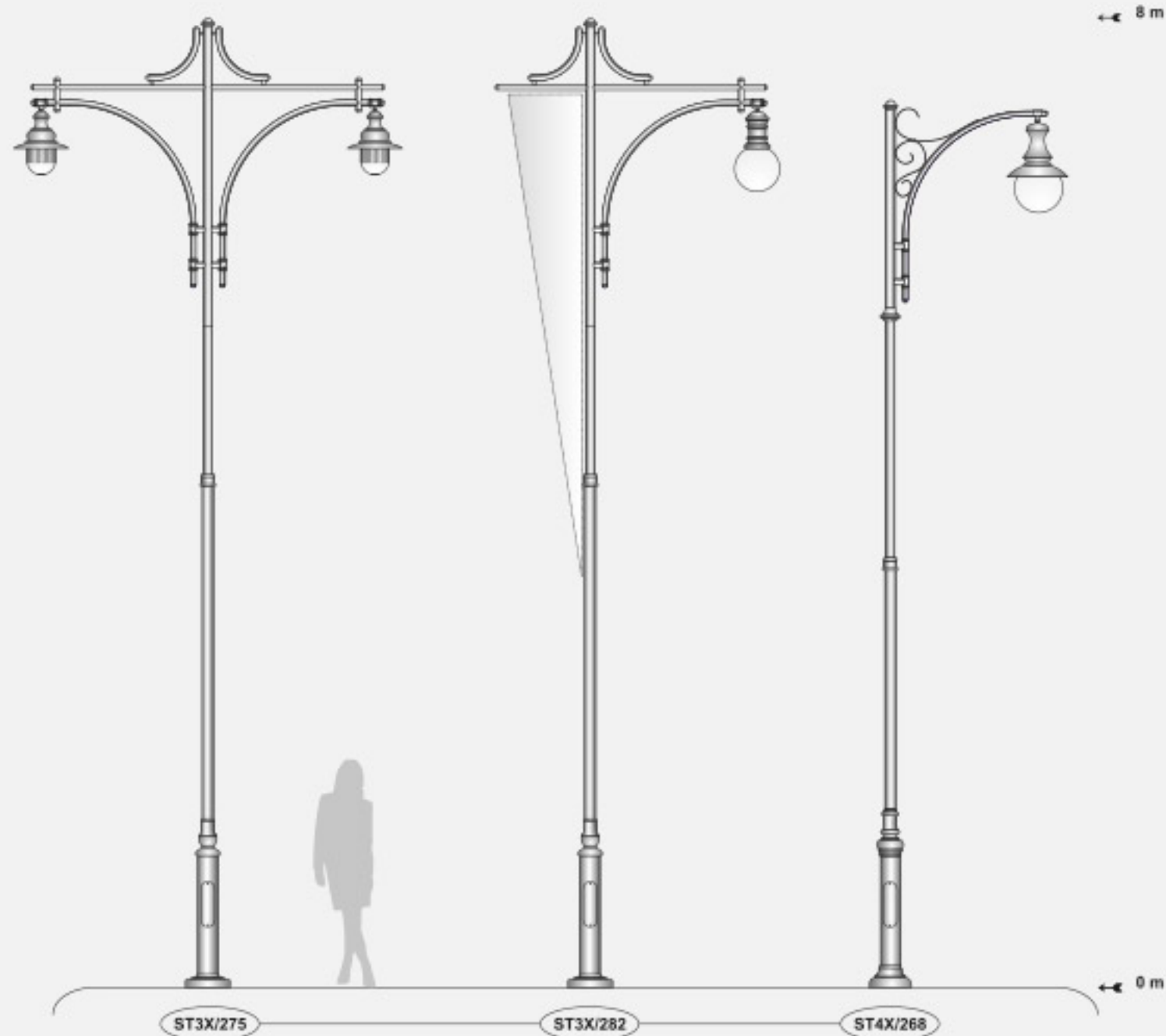
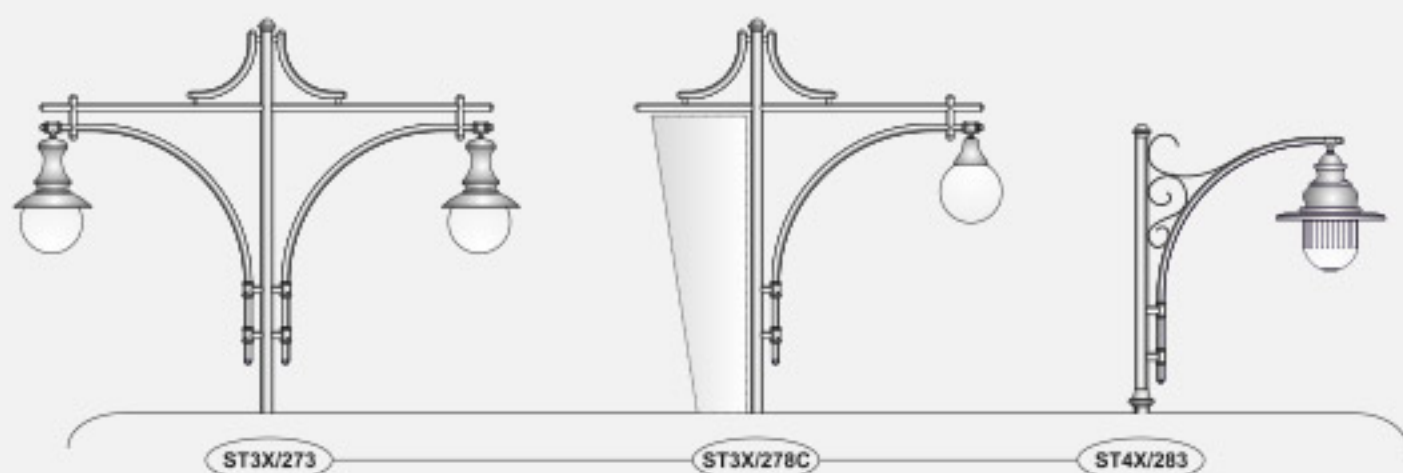
7 m →

0 m →



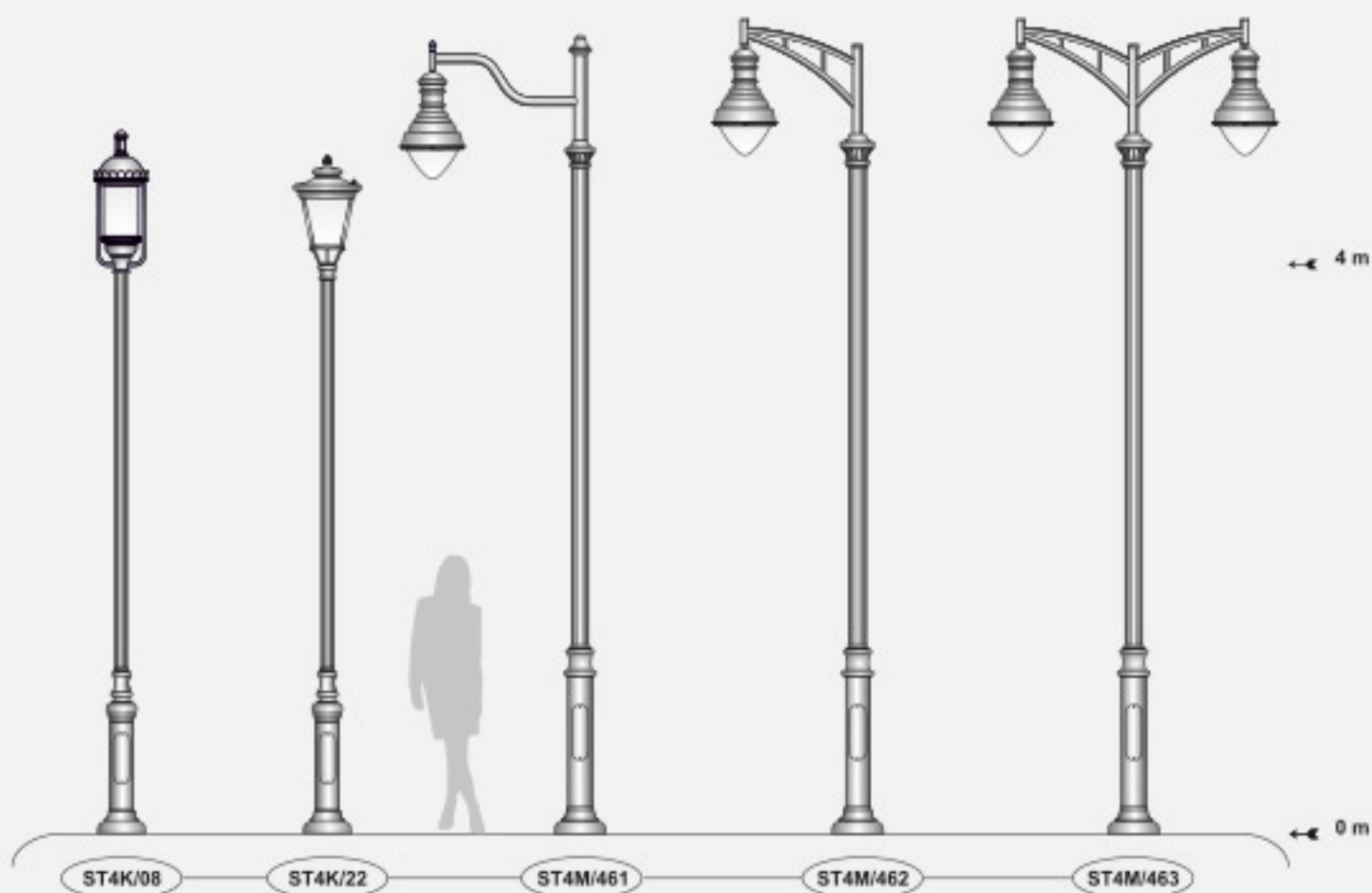
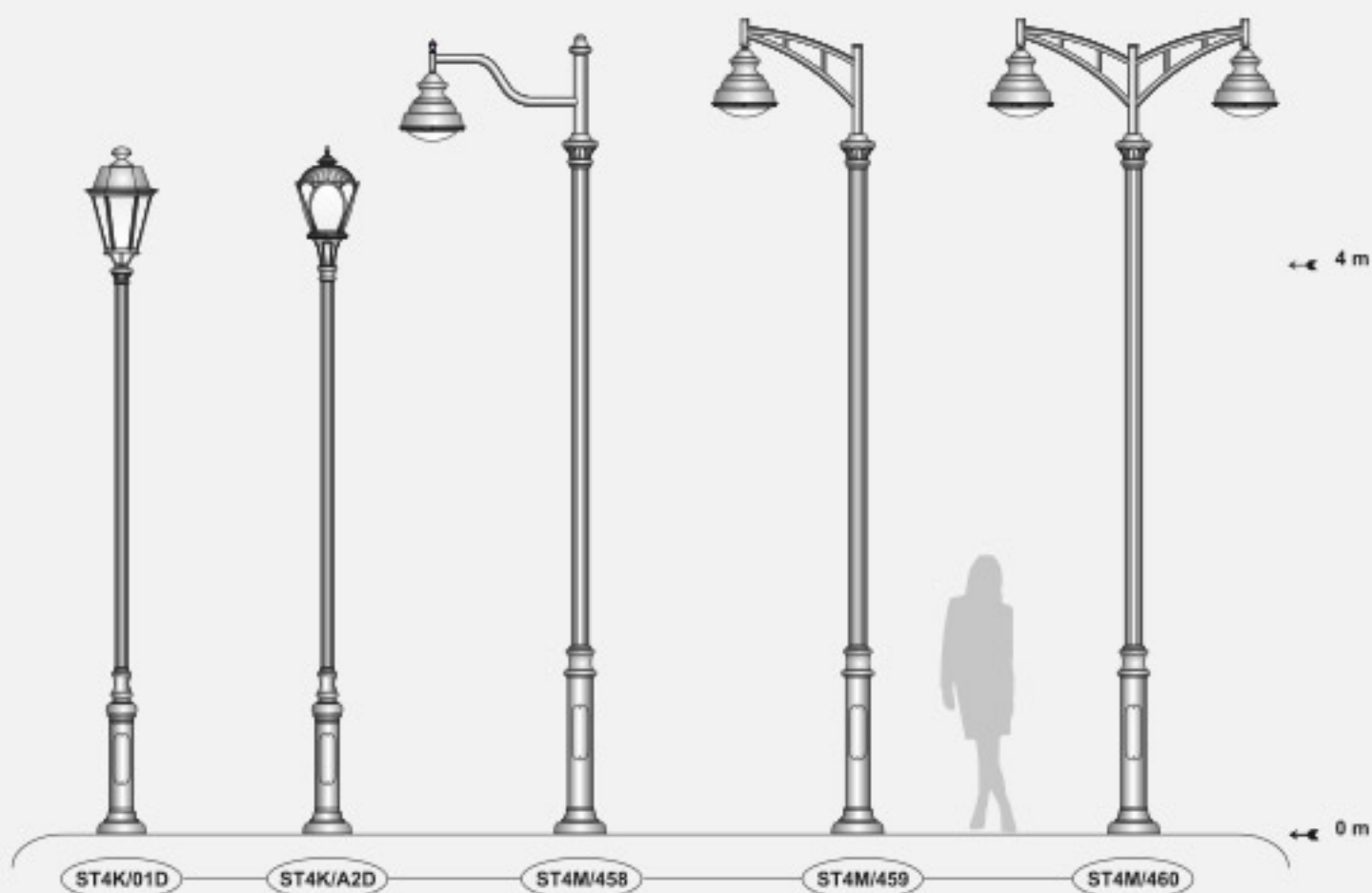






latarnie typu ST

STYLE STREETLIGHTS, TYPE "ST"

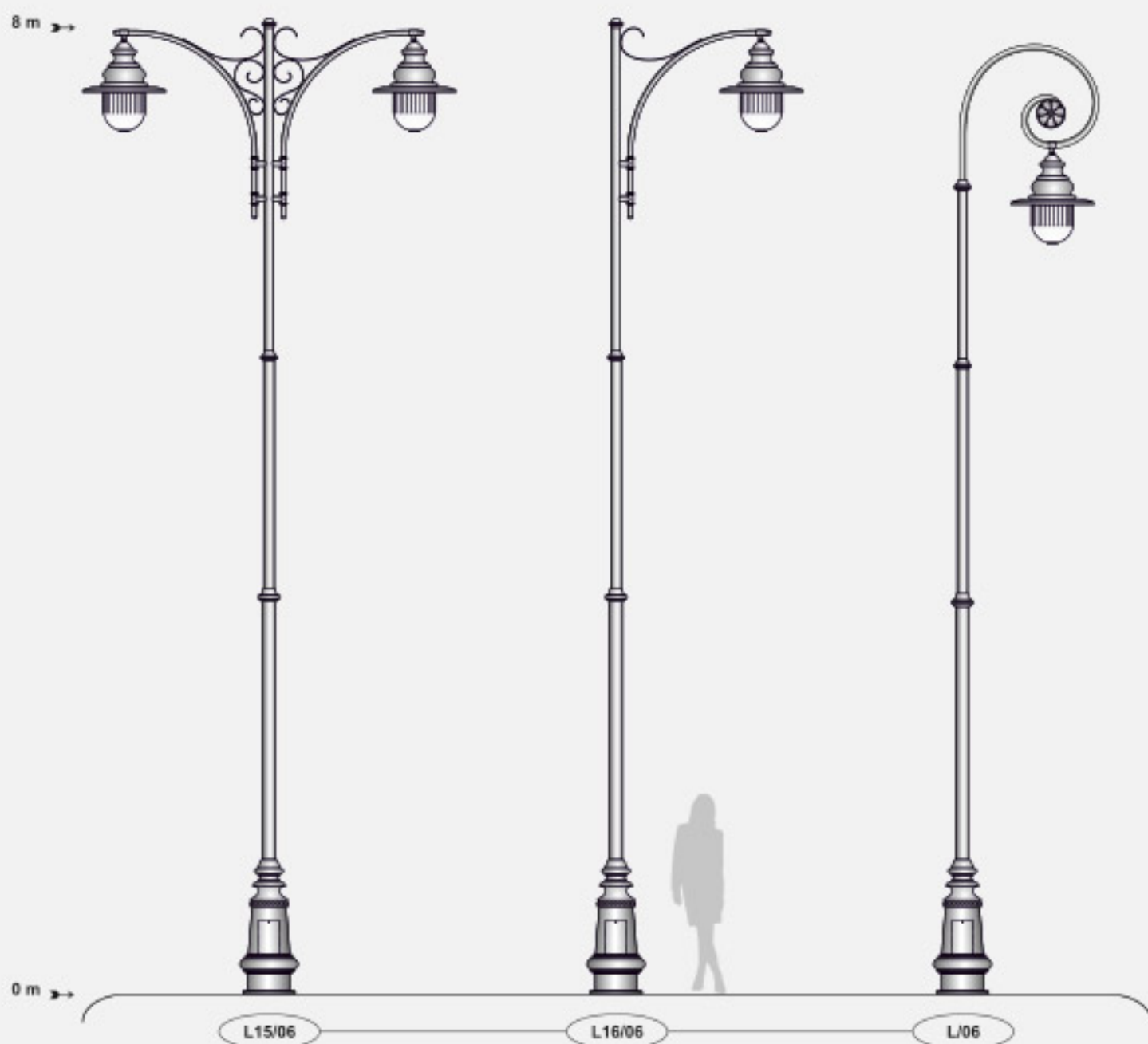
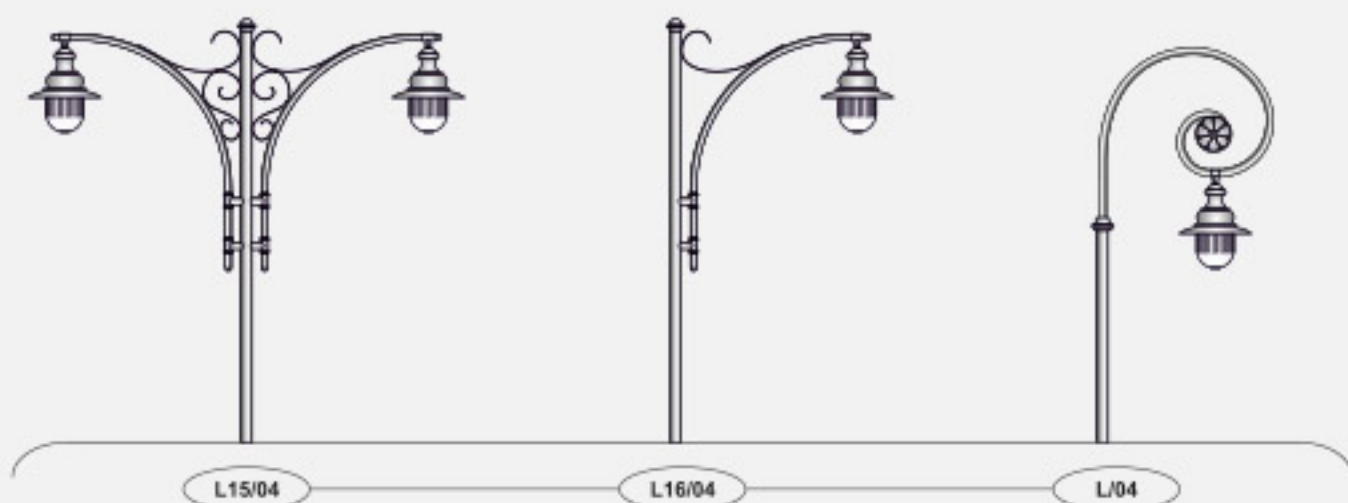




LATARNIE typu L

WYSOKIE LATARNIE ULICZNE
(HIGH STREET LAMPS)

L
LT

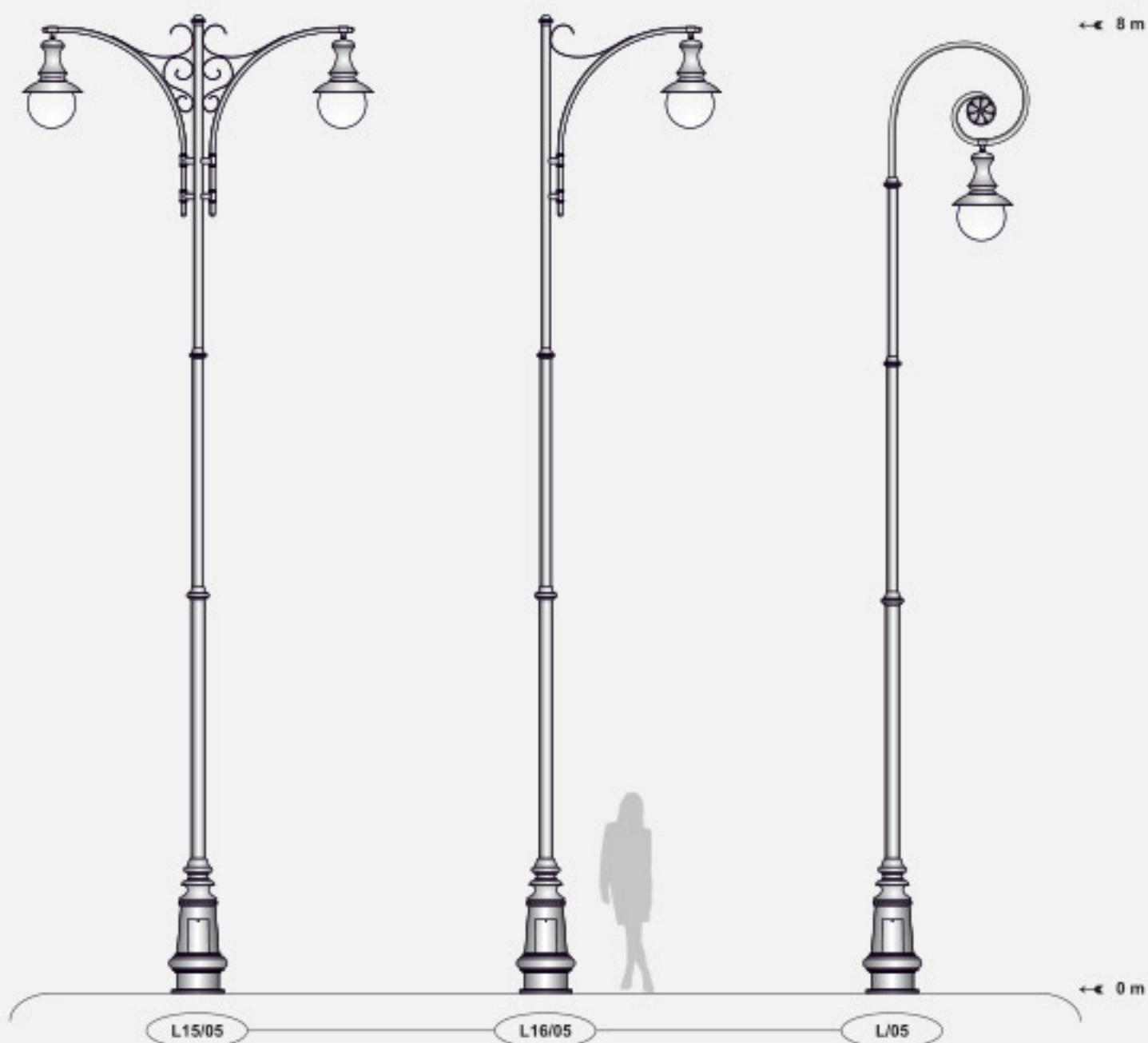
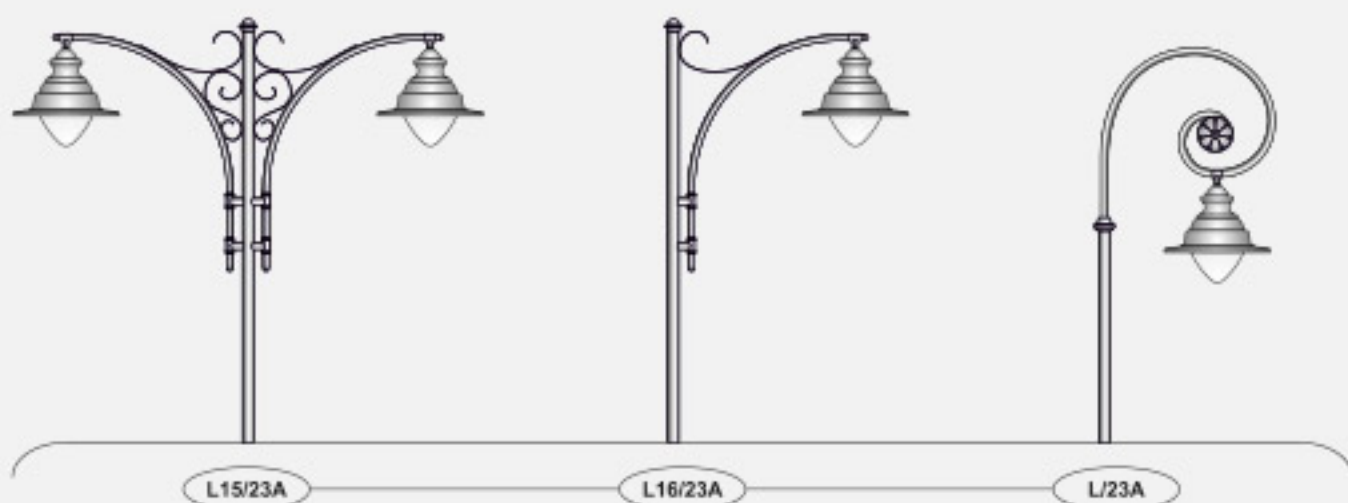


latarnie typu L

HIGH STREETLIGHTS, TYPE "L"

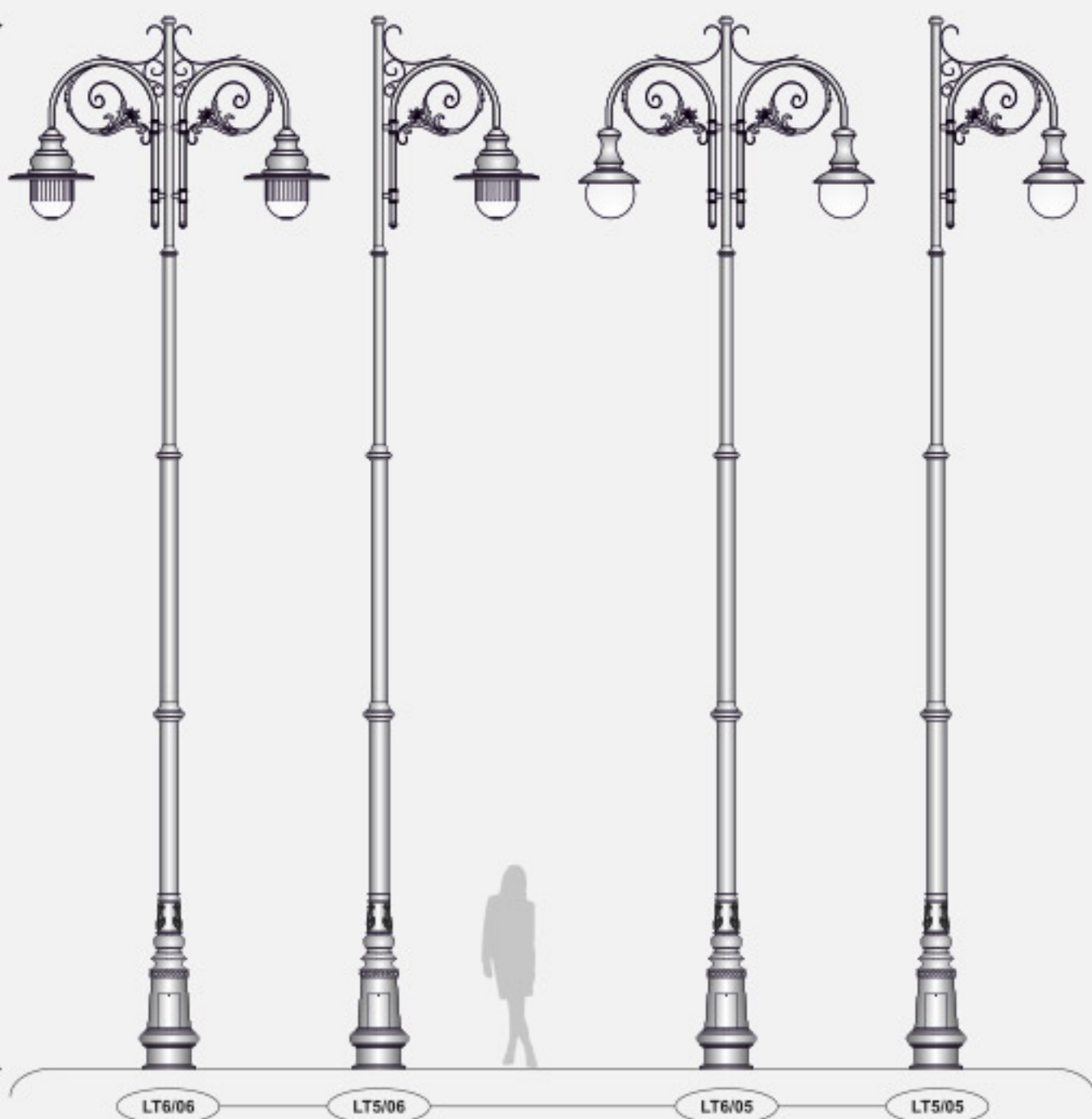


65





9 m →



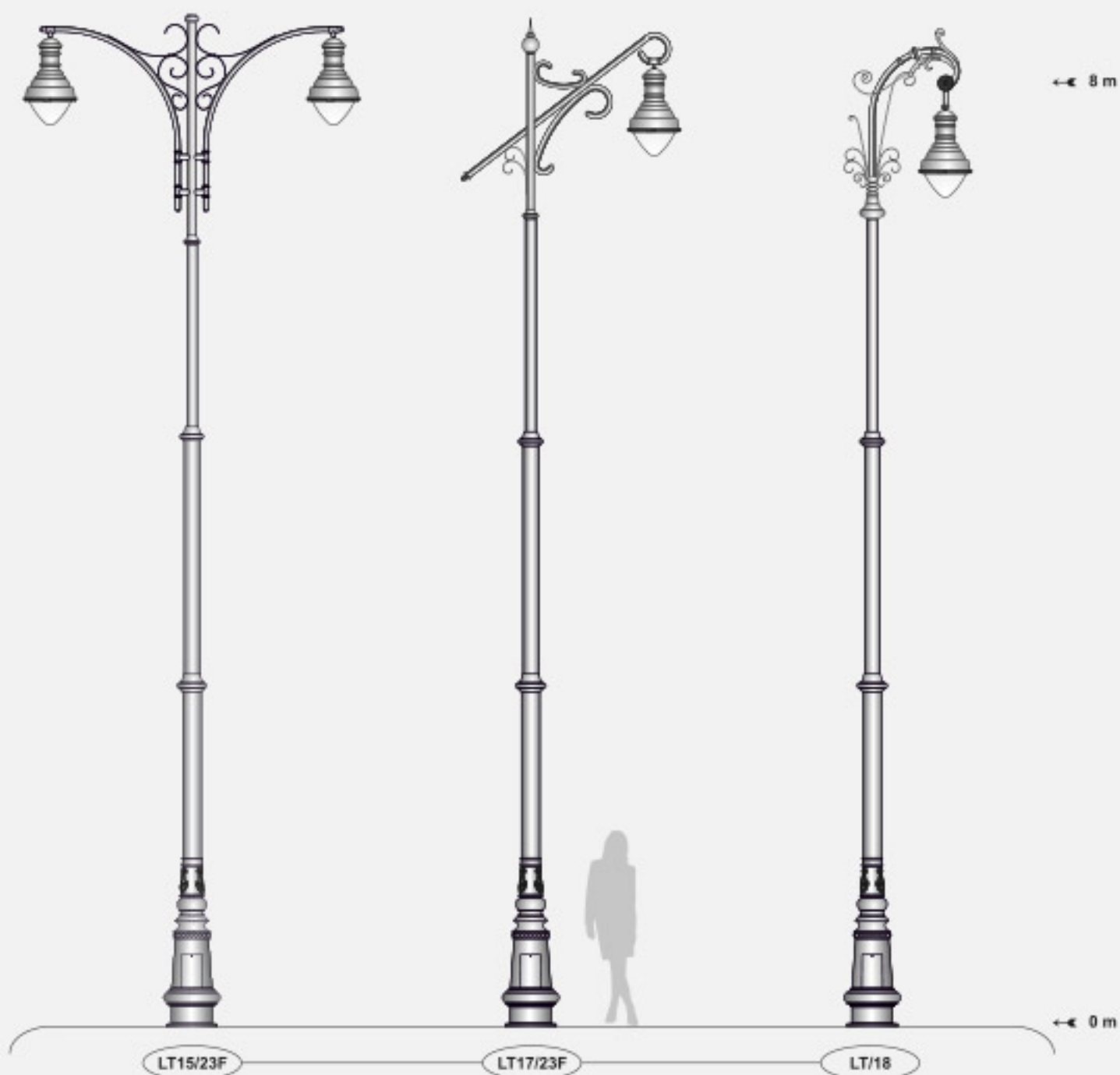
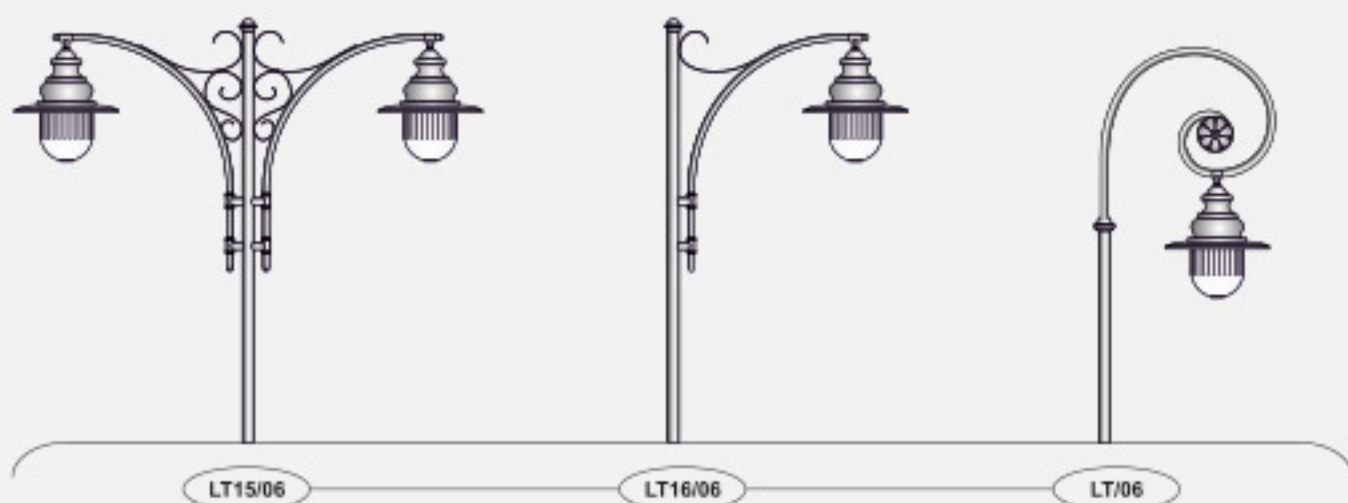
0 m →

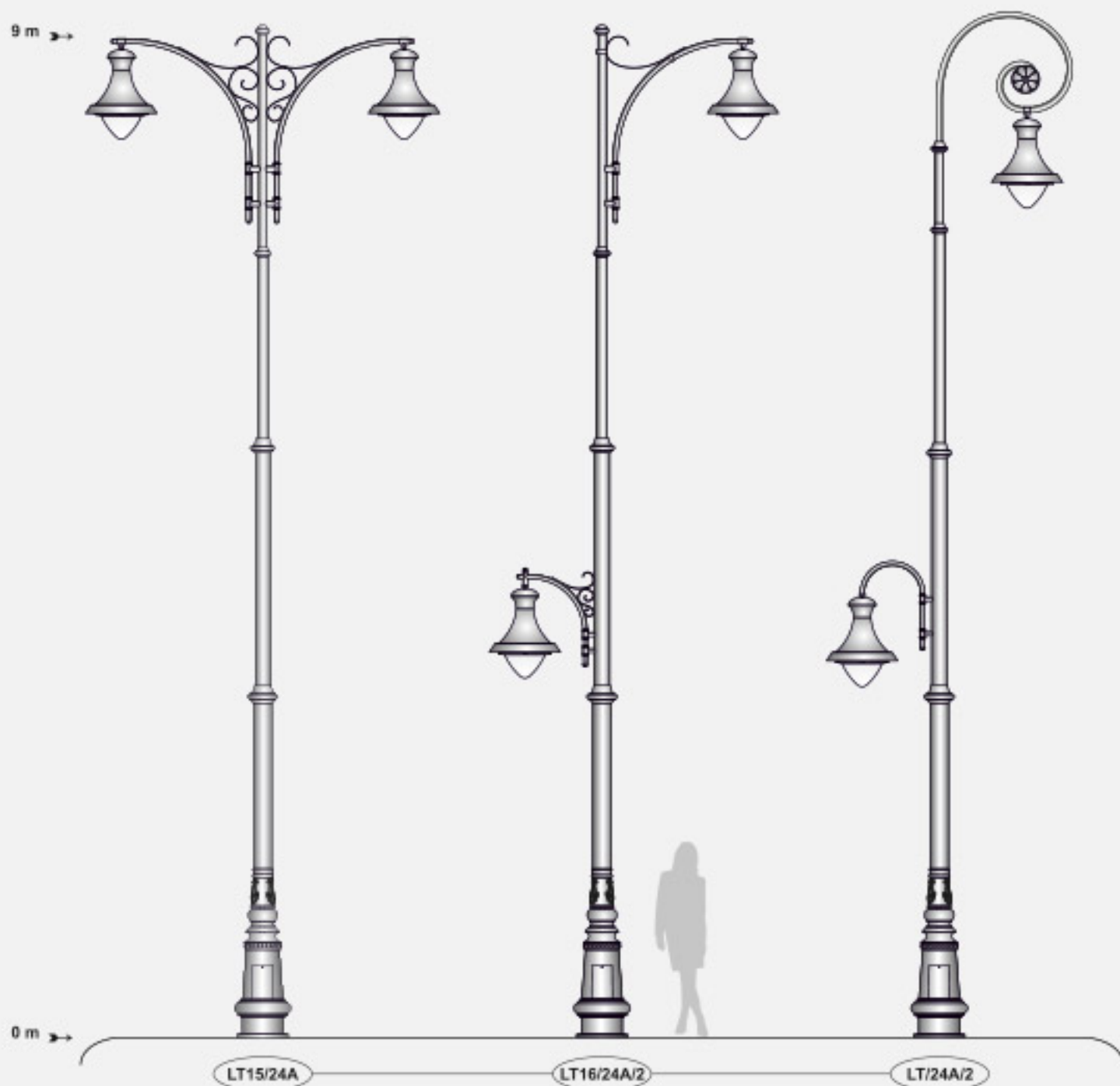
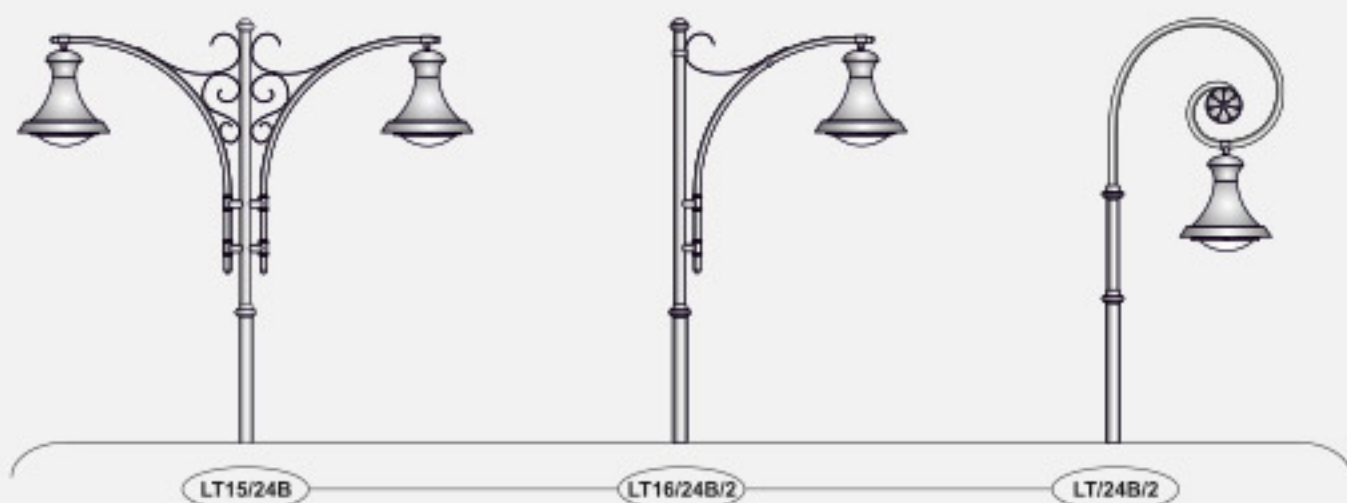
latarnie typu L

HIGH STREETLIGHTS, TYPE "L"



67



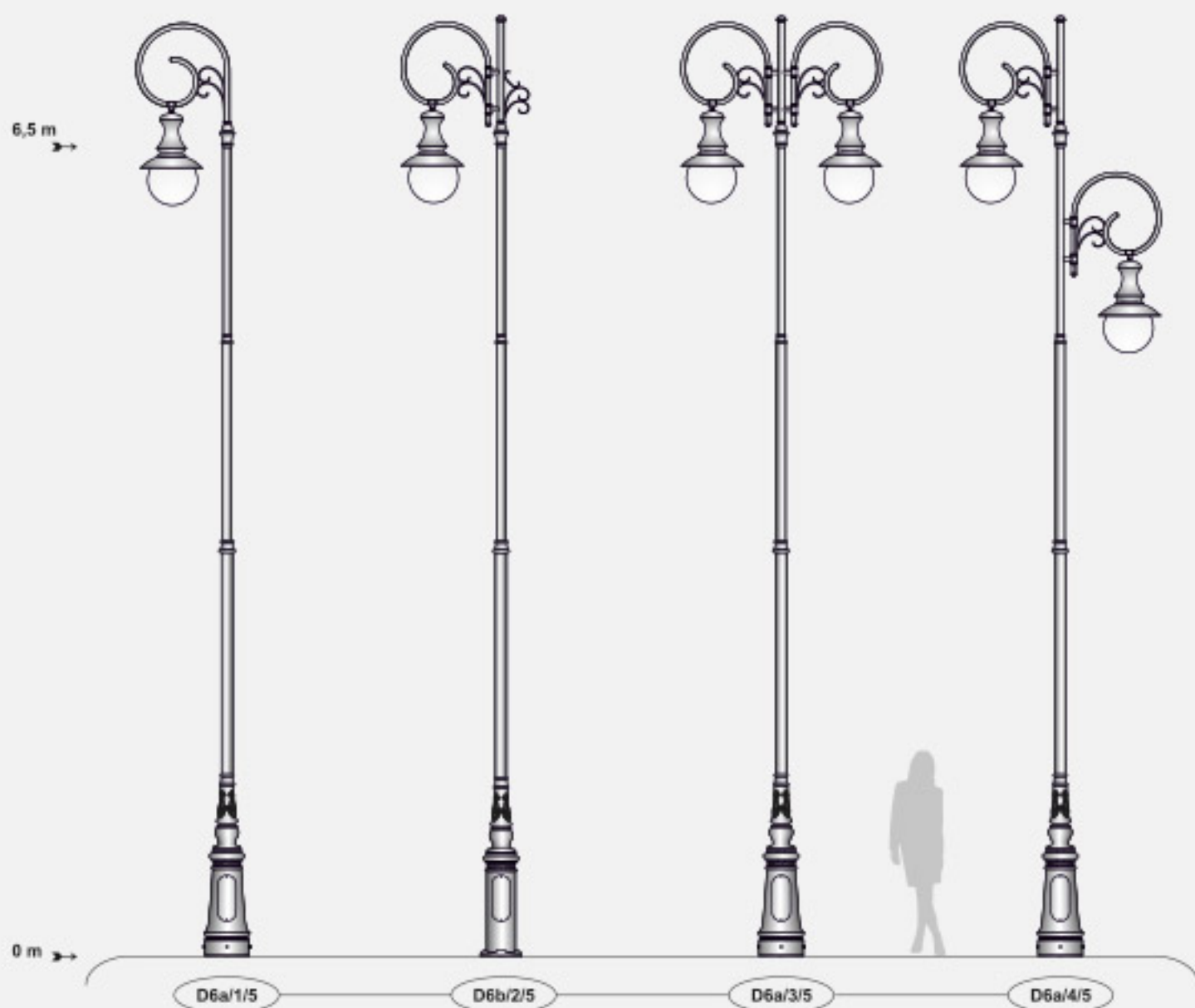
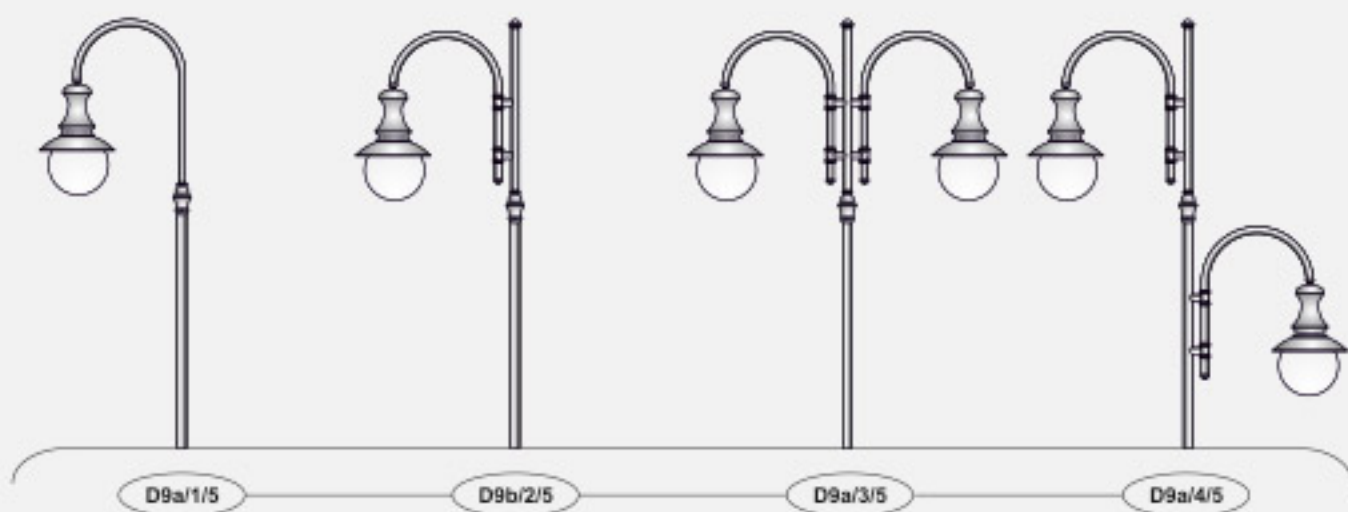


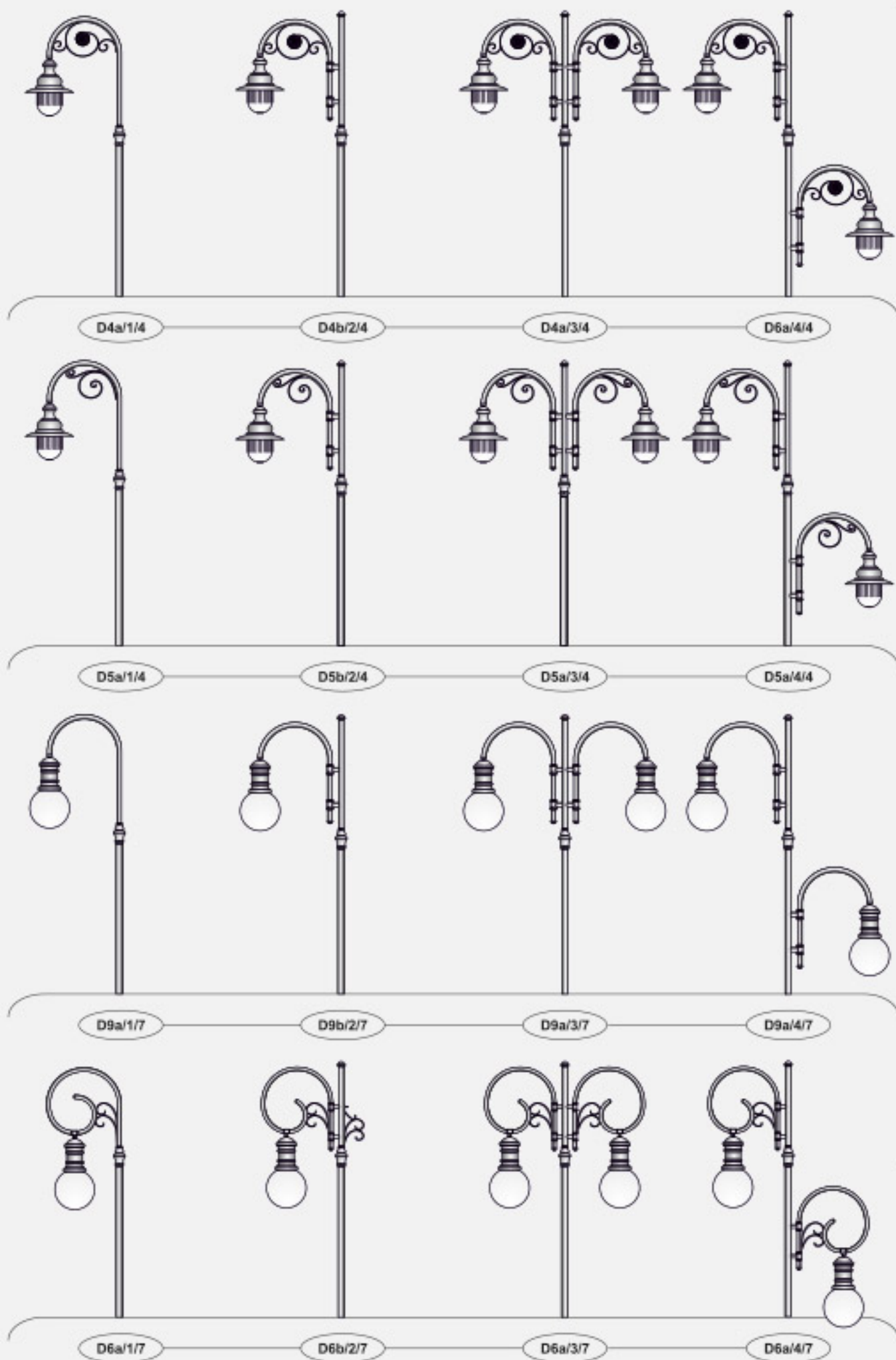


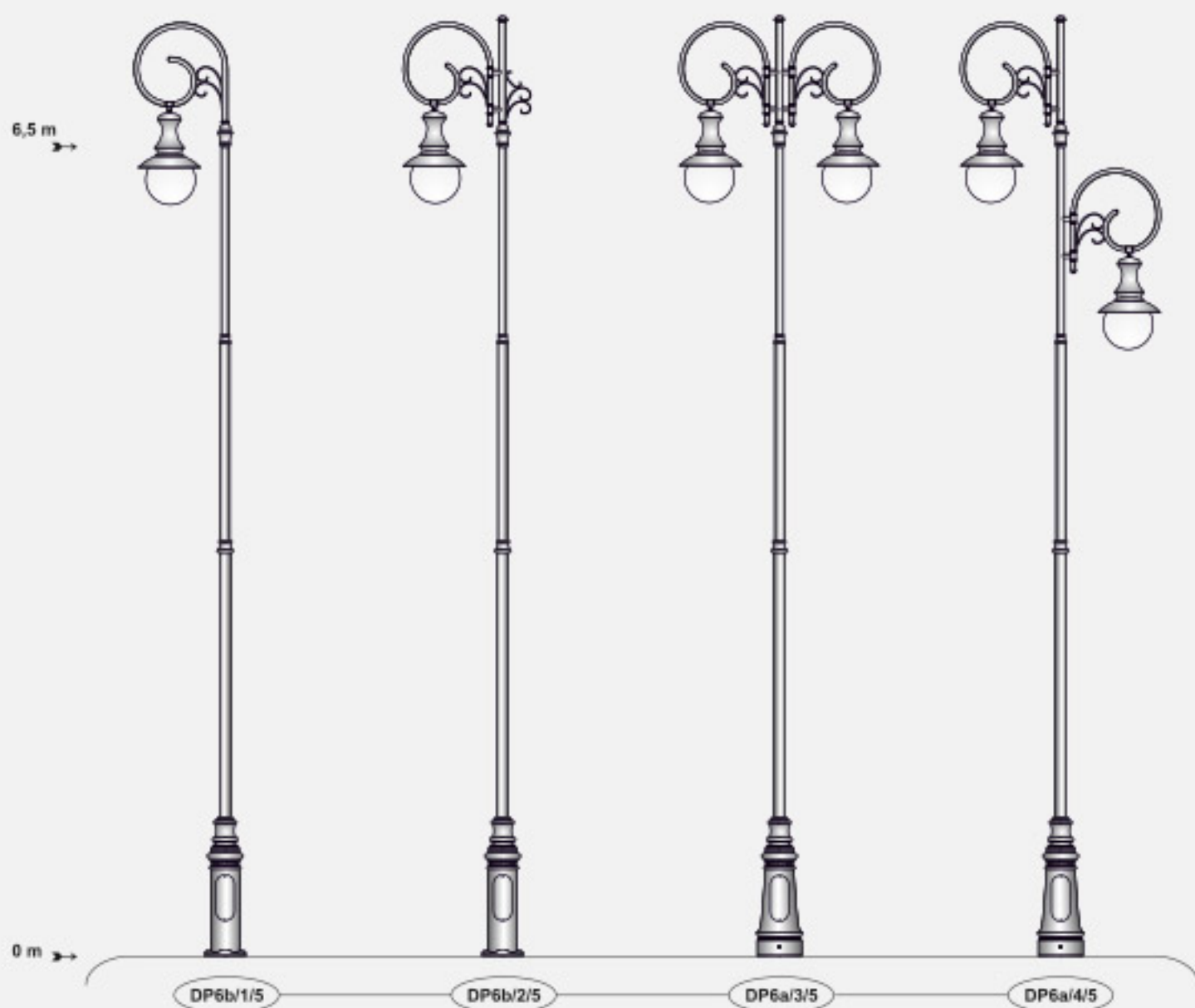
LATARNIE typu D

WYSOKIE LATARNIE ULICZNE
HIGH STREETLIGHTS

D6A
D6B
DPA
DPB
DS
WK





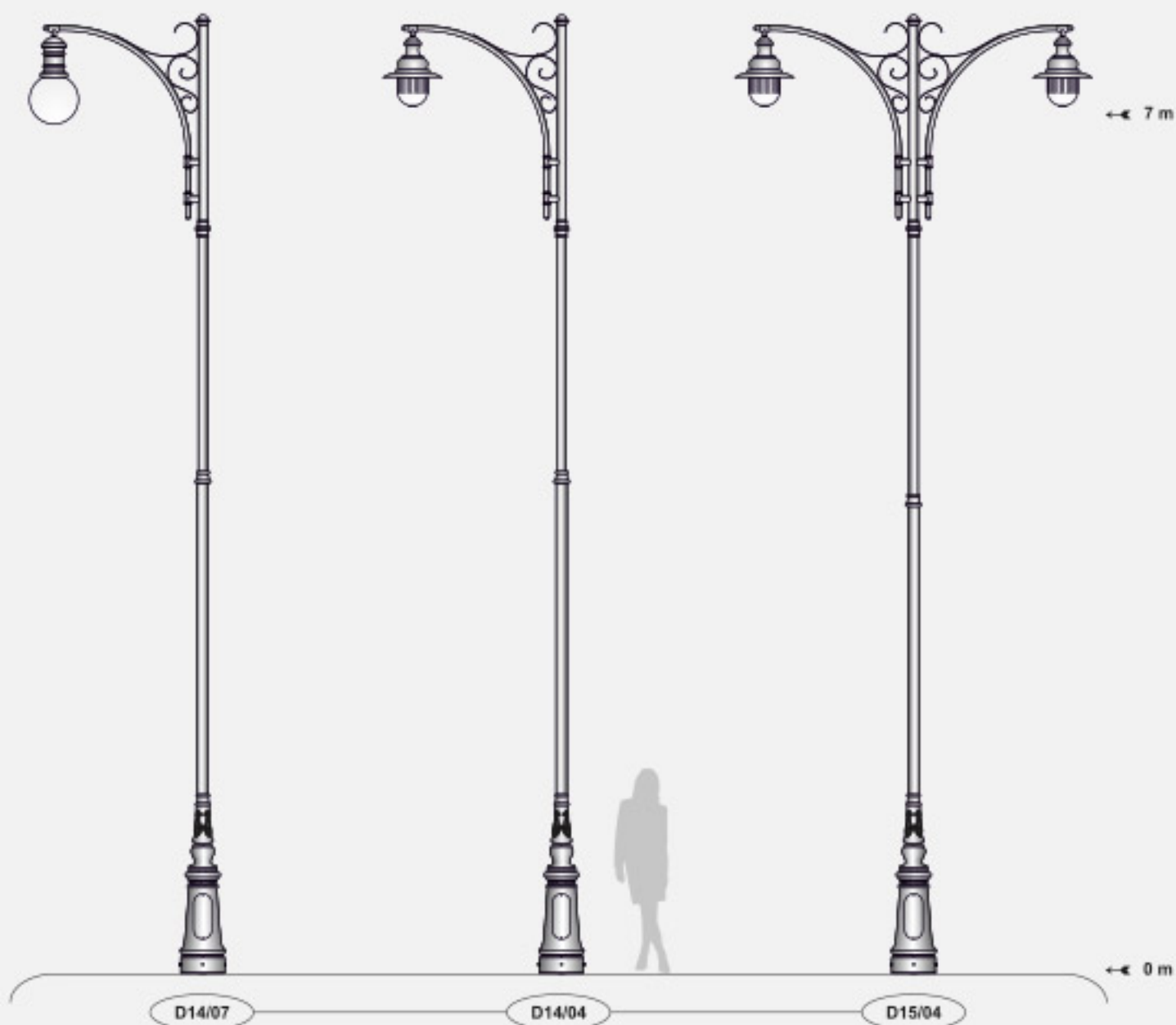
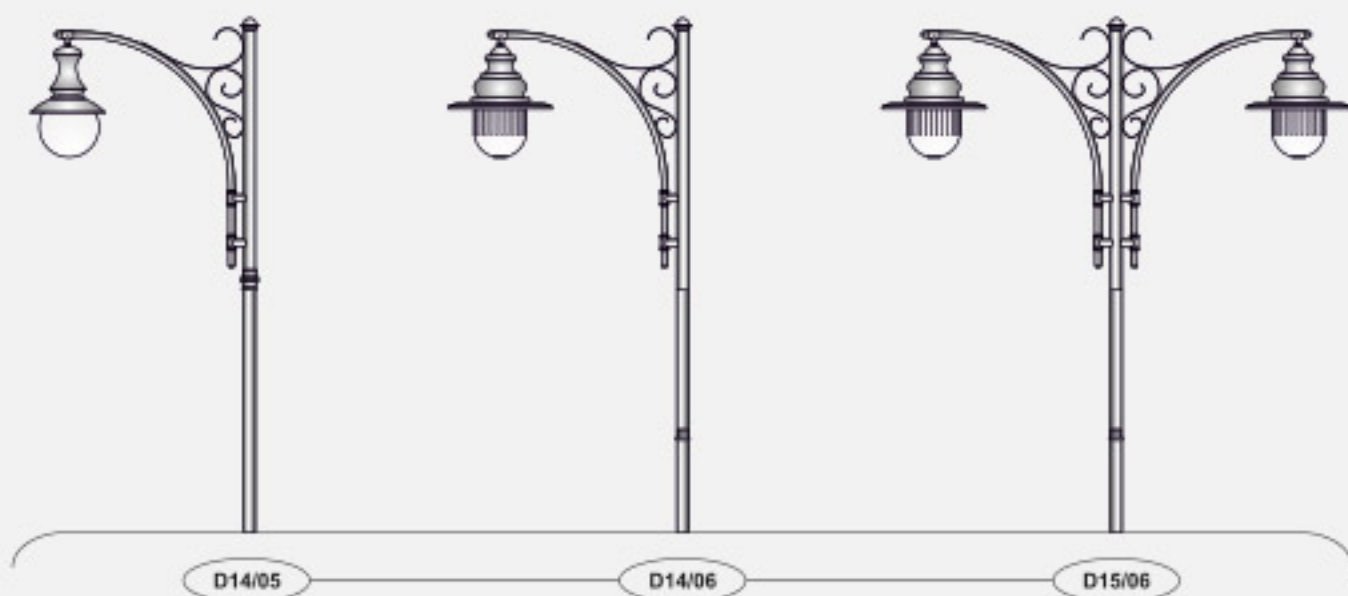


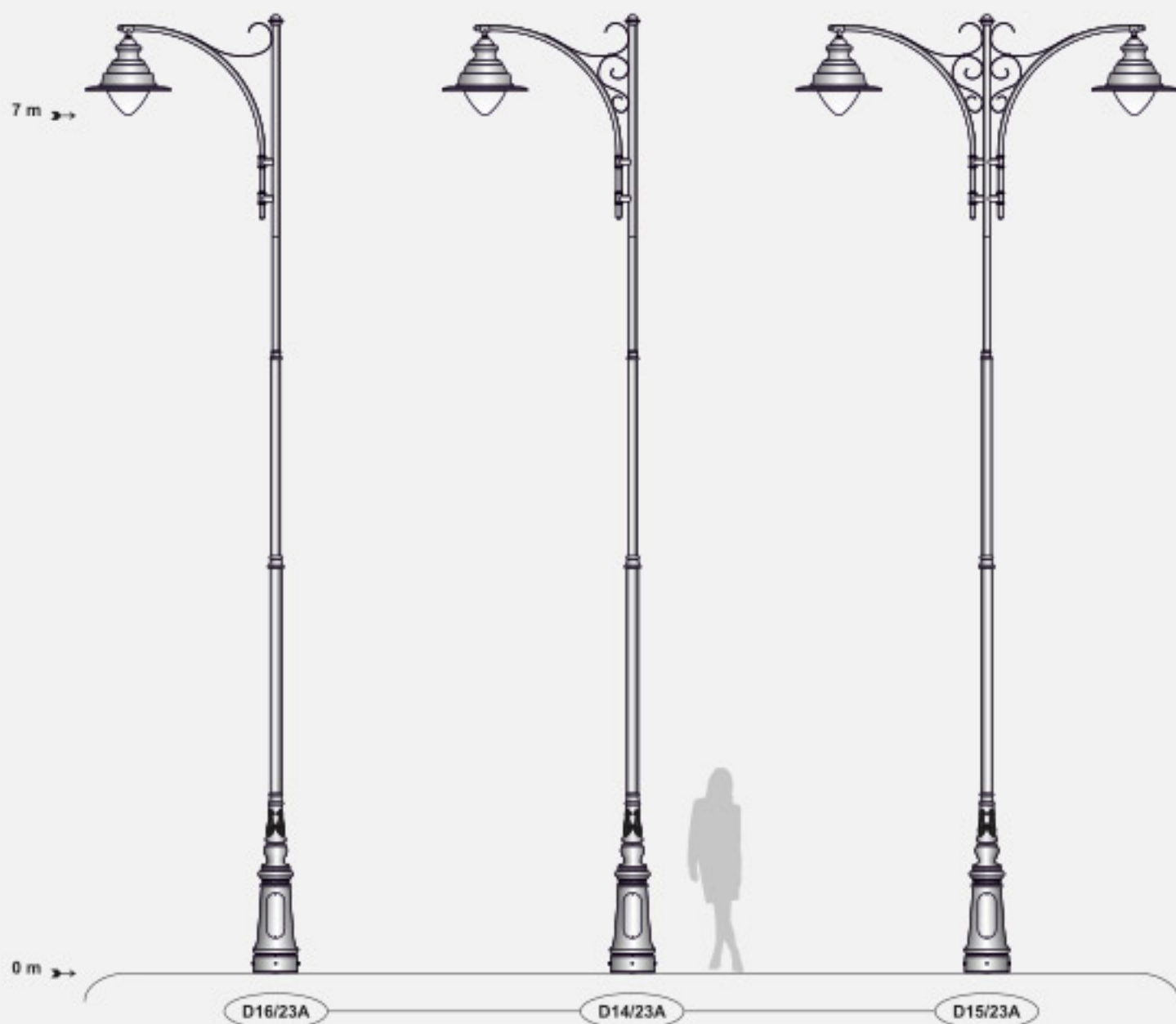
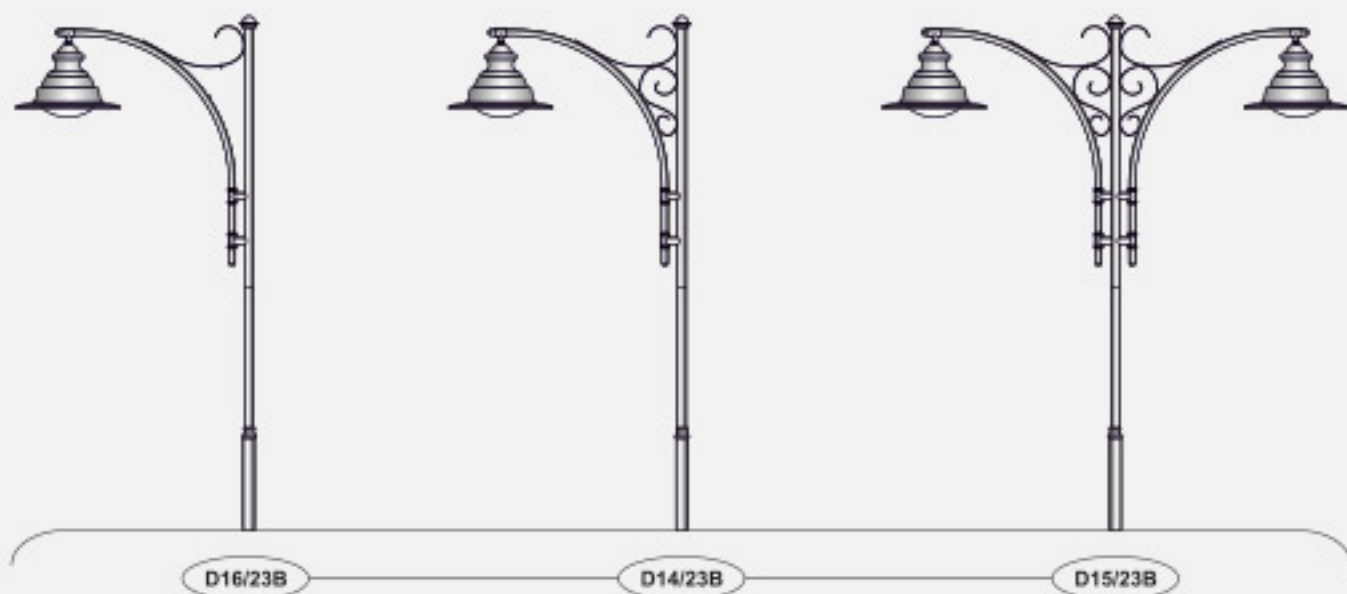
latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



73





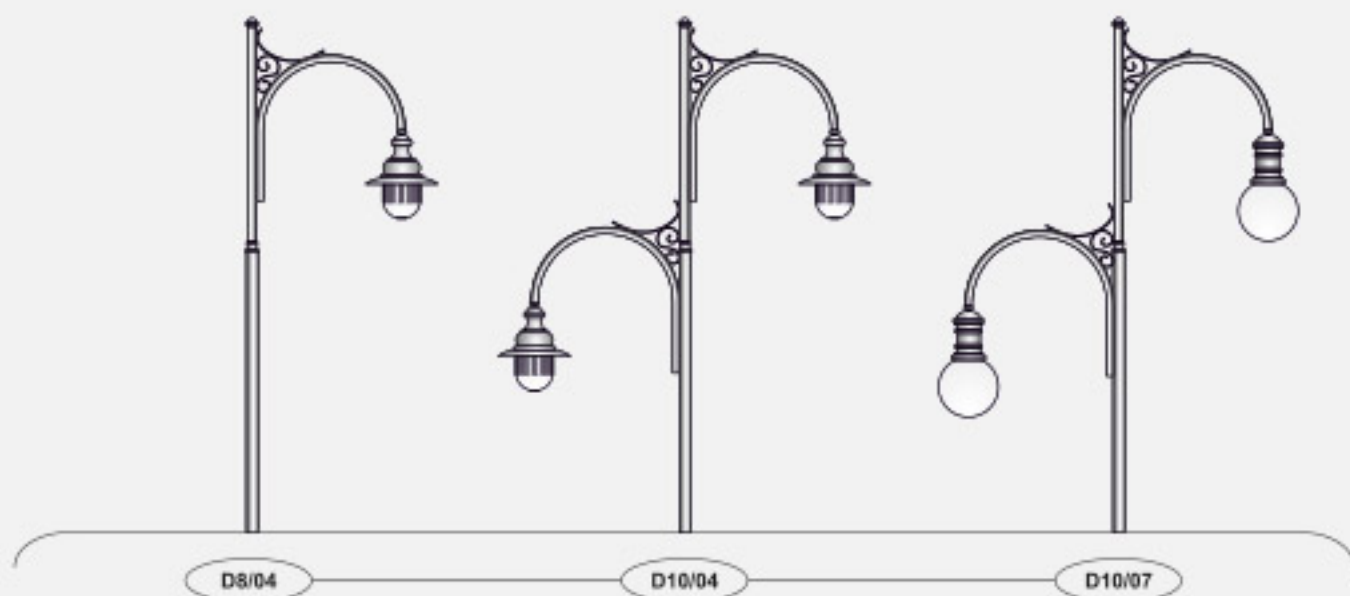
latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



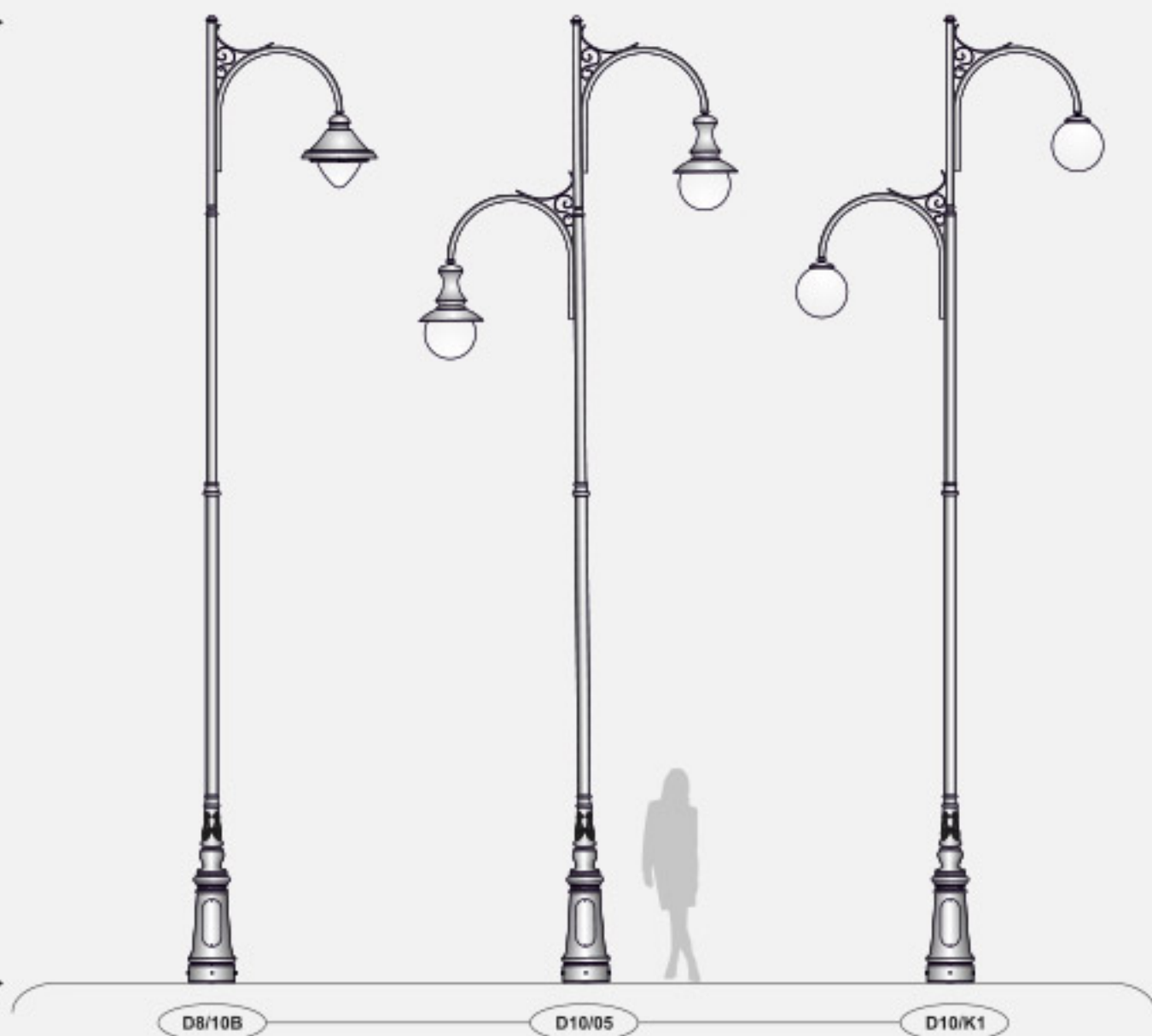
75

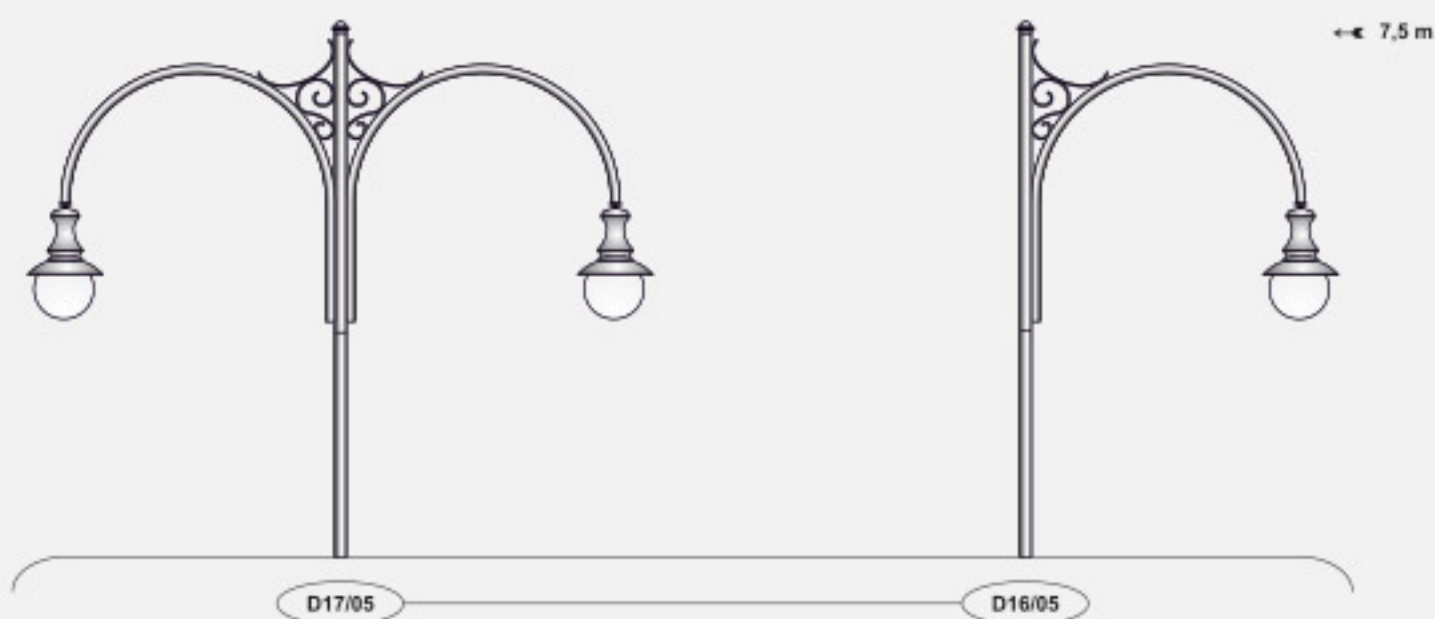
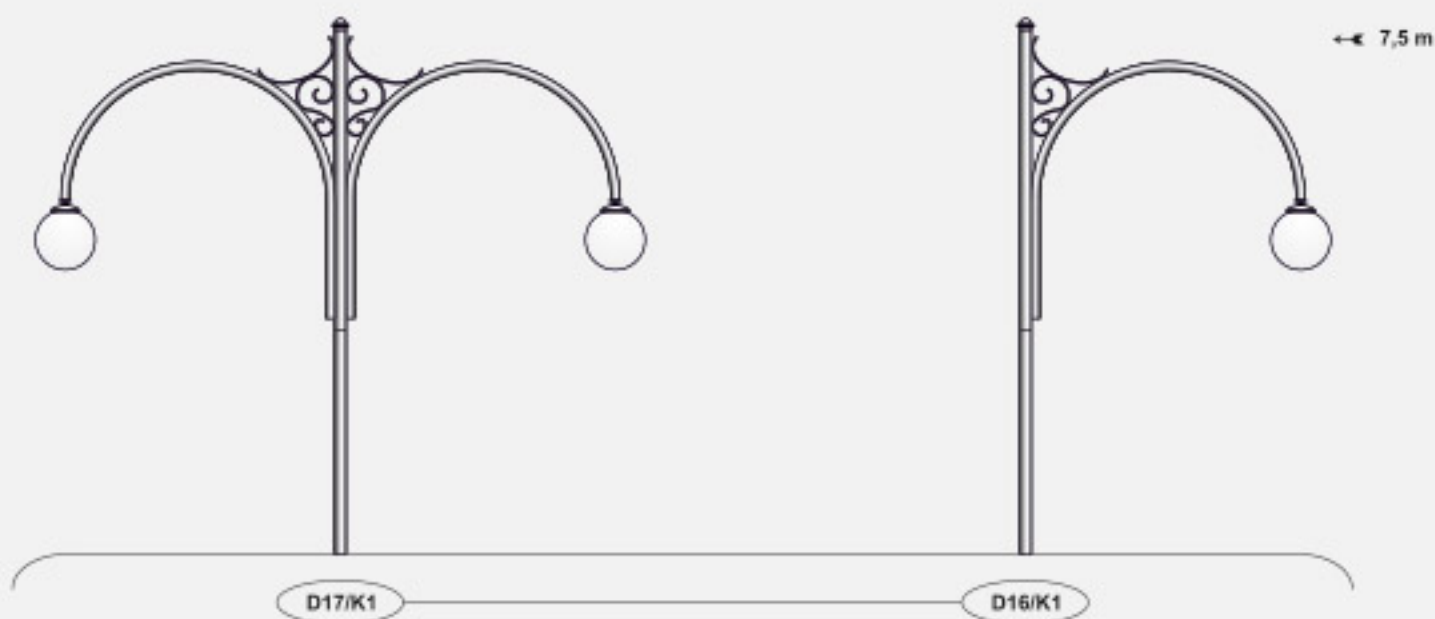
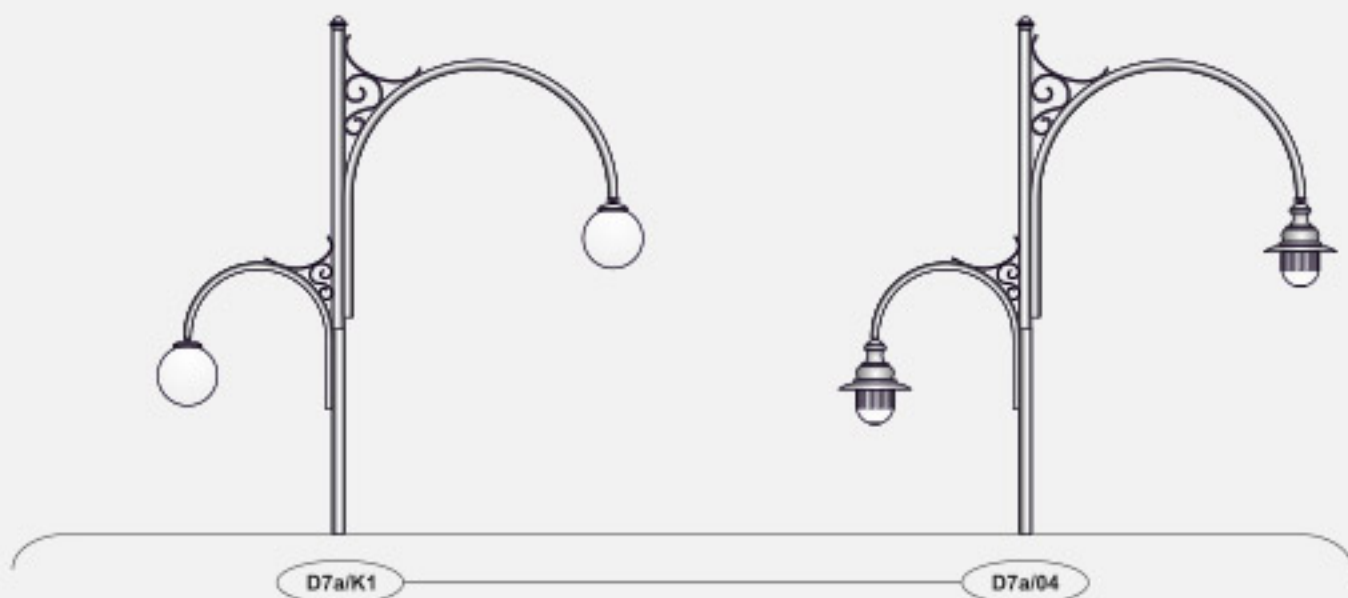


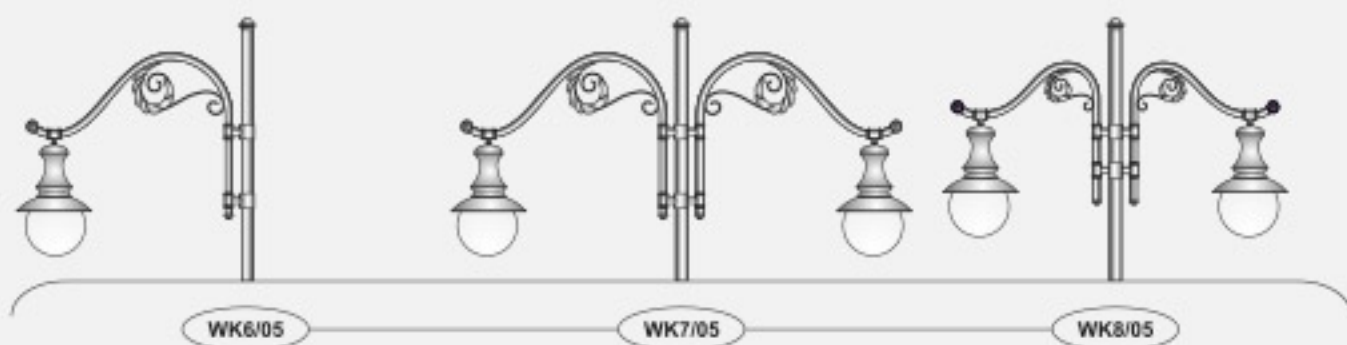
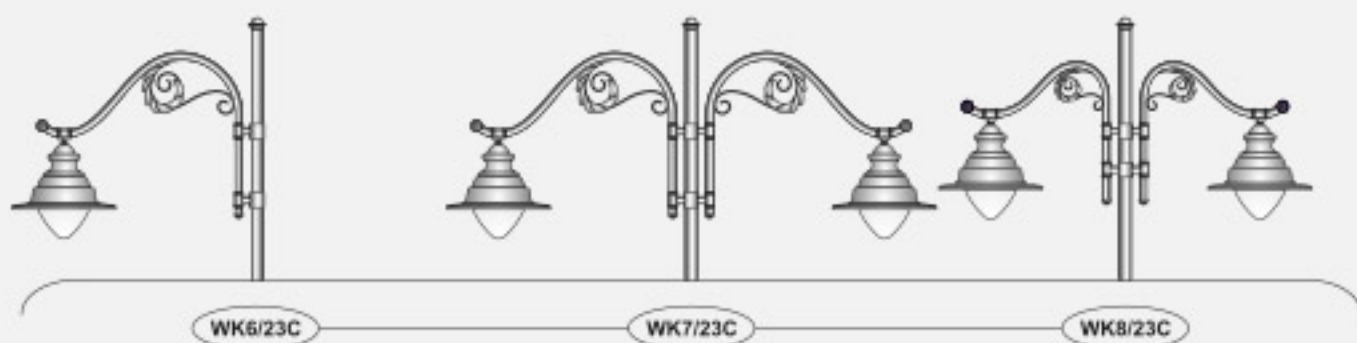


7,5 m →

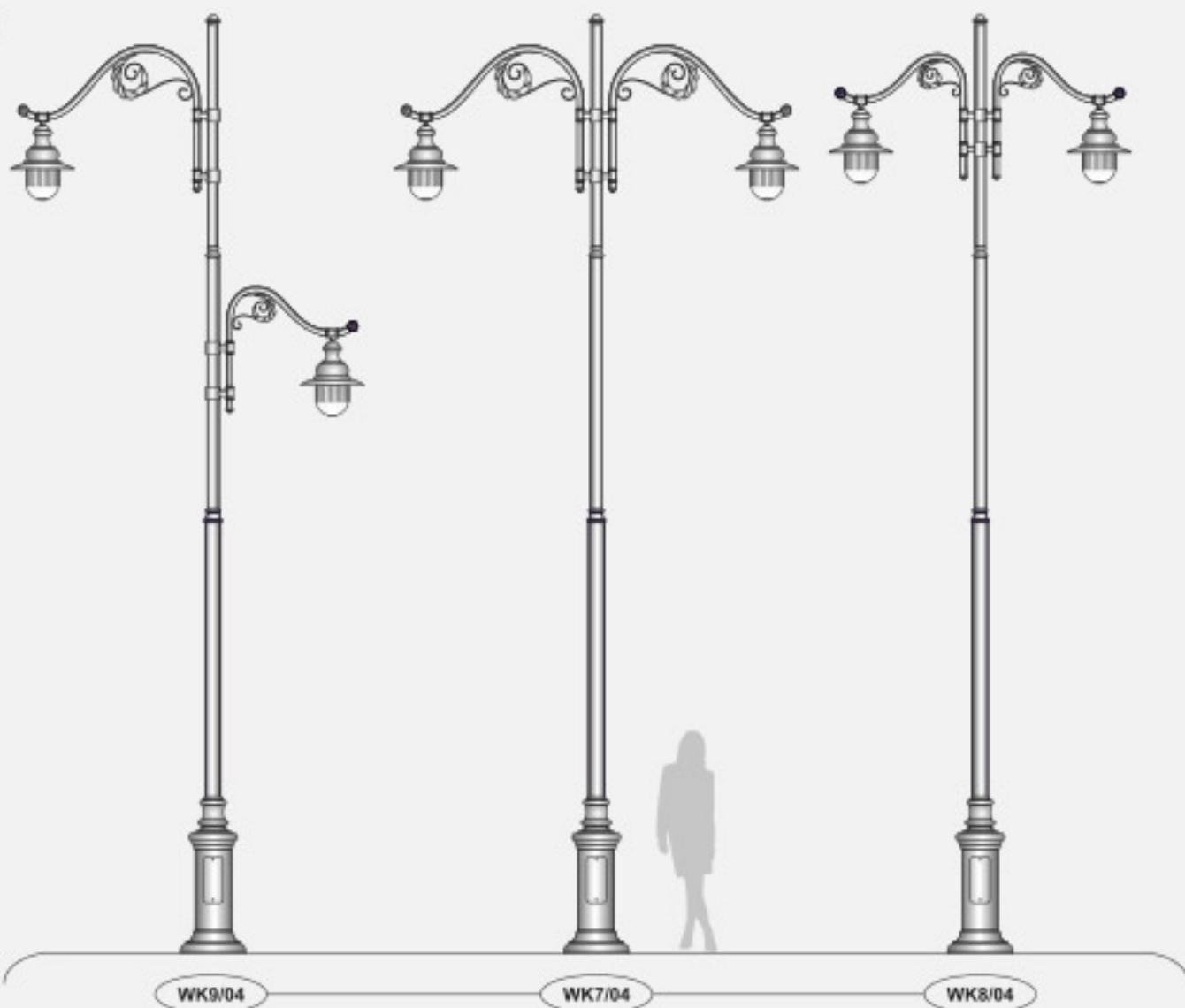
0 m →







7 m →



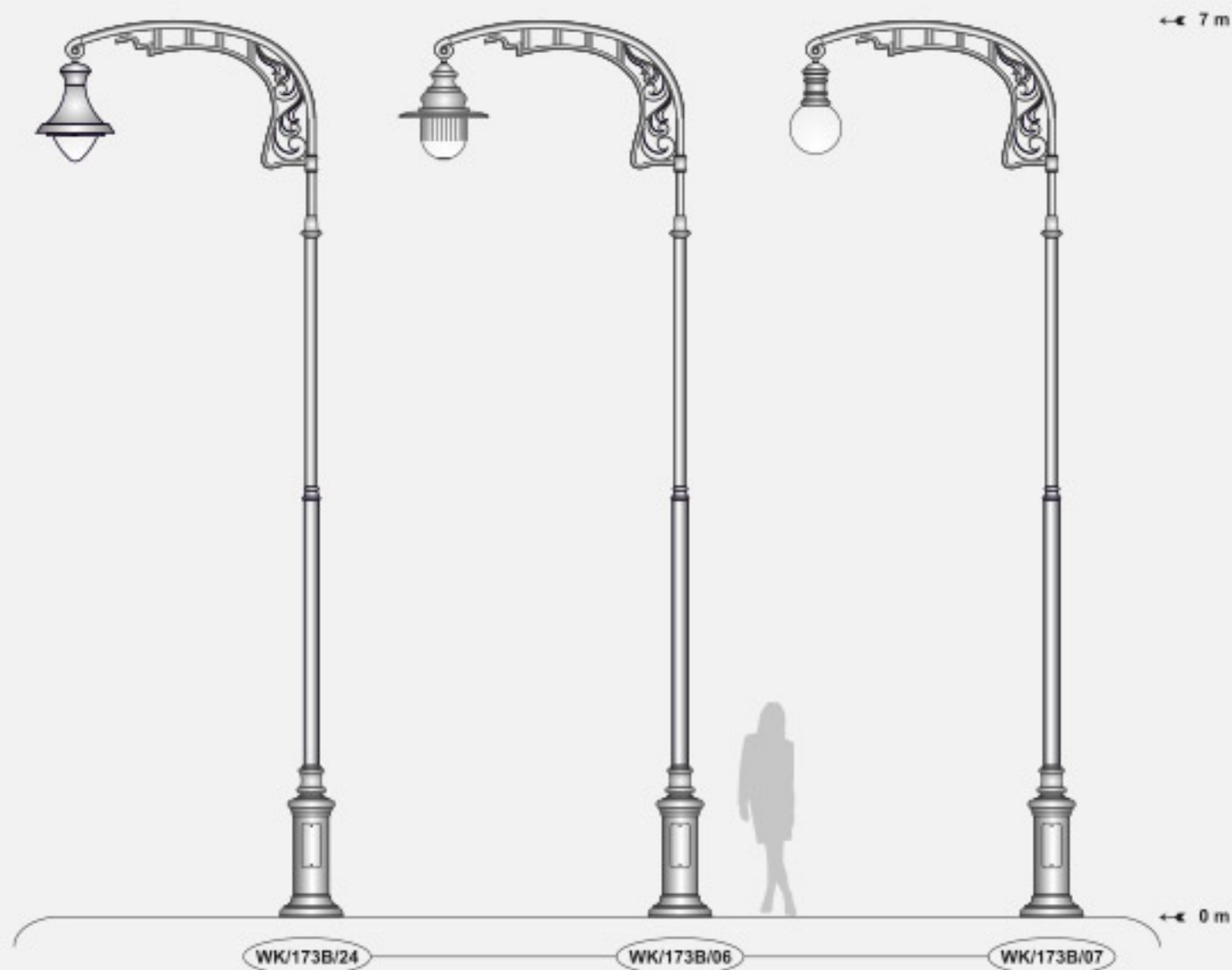
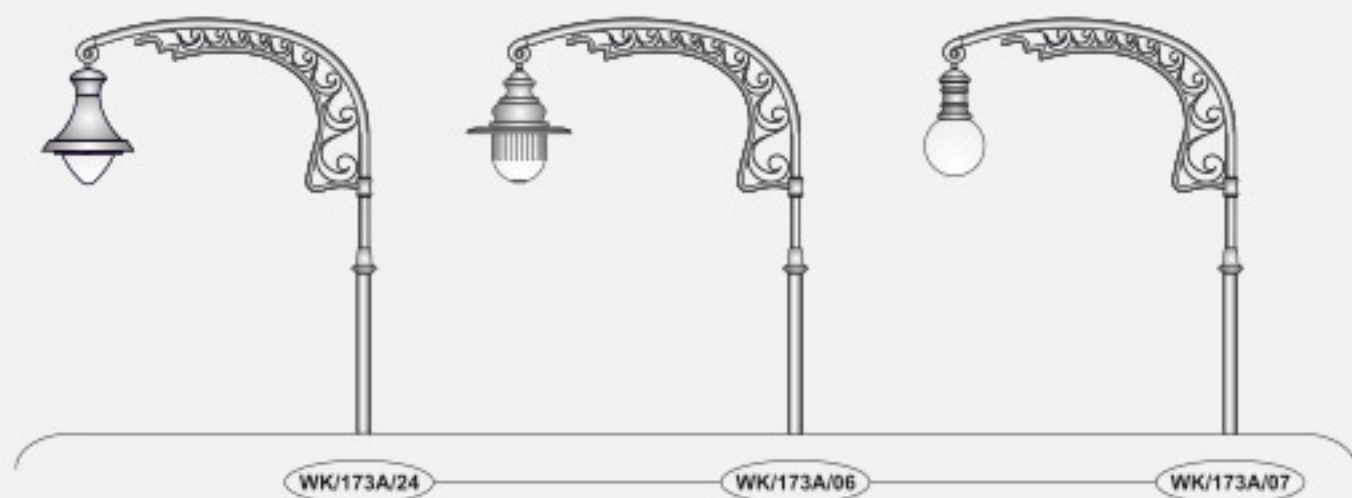
0 m →

latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

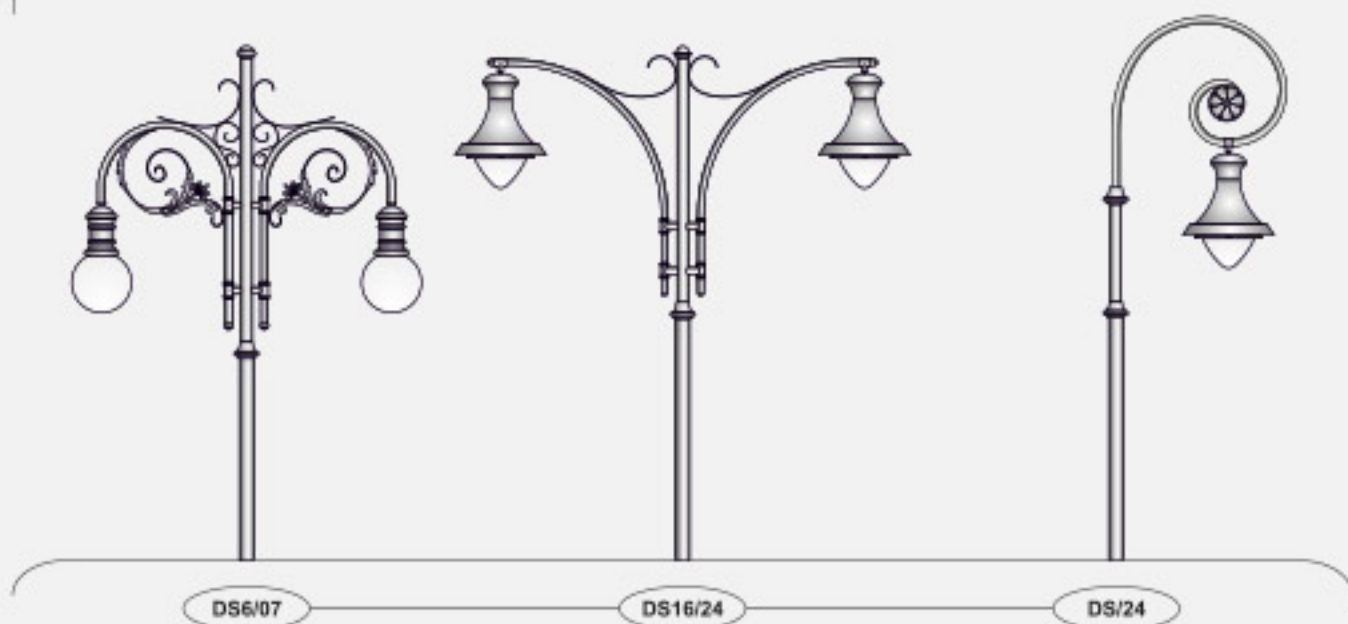


79

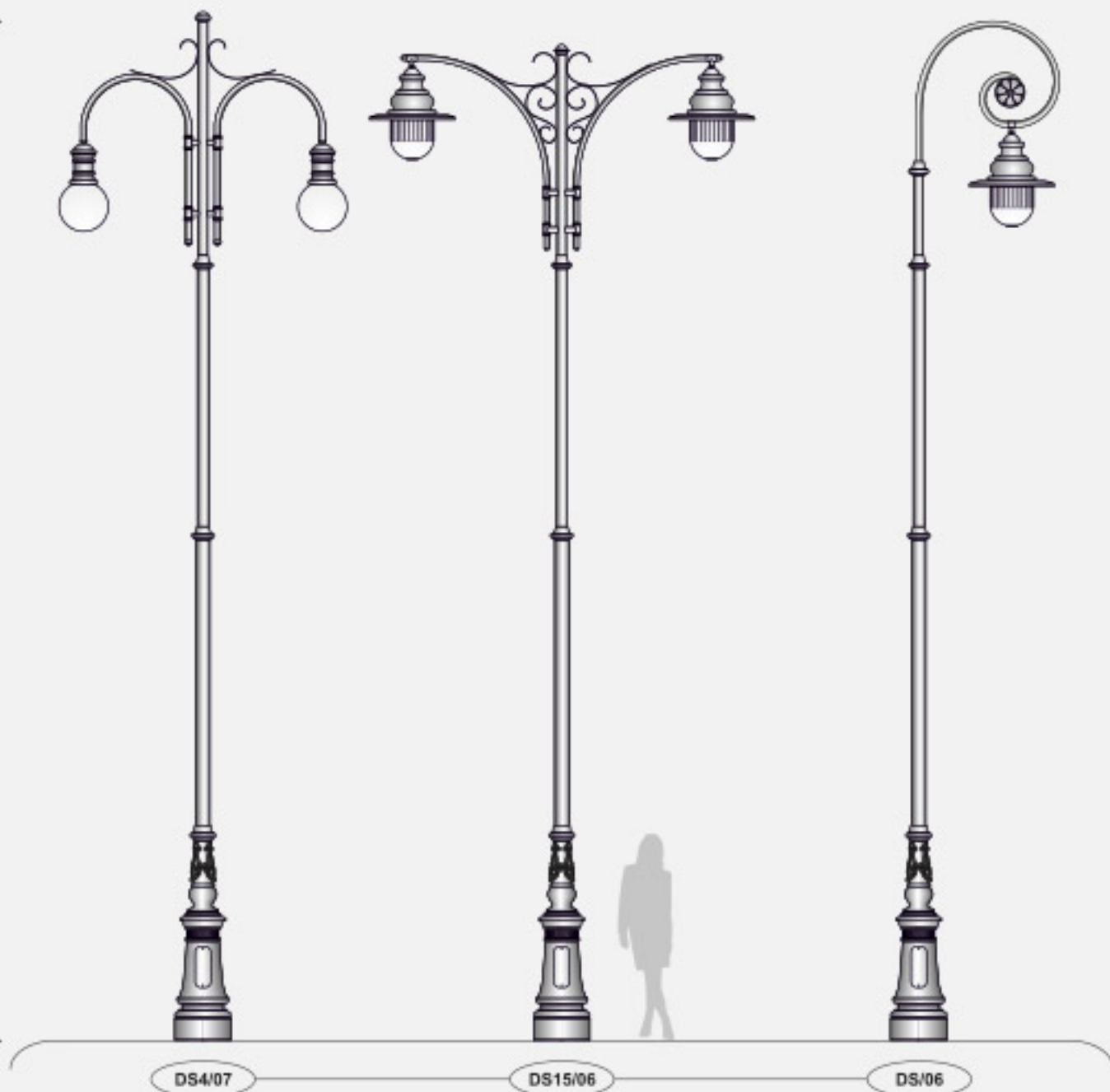


latarnie typu D

HIGH STREETLIGHTS, TYPE „D“



8 m →



0 m →

latarnie typu D

HIGH STREETLIGHTS, TYPE „D“



81



DS/247/18C



DS/240/10B



DS/261/05



DS/147/18C



DS/140/10B



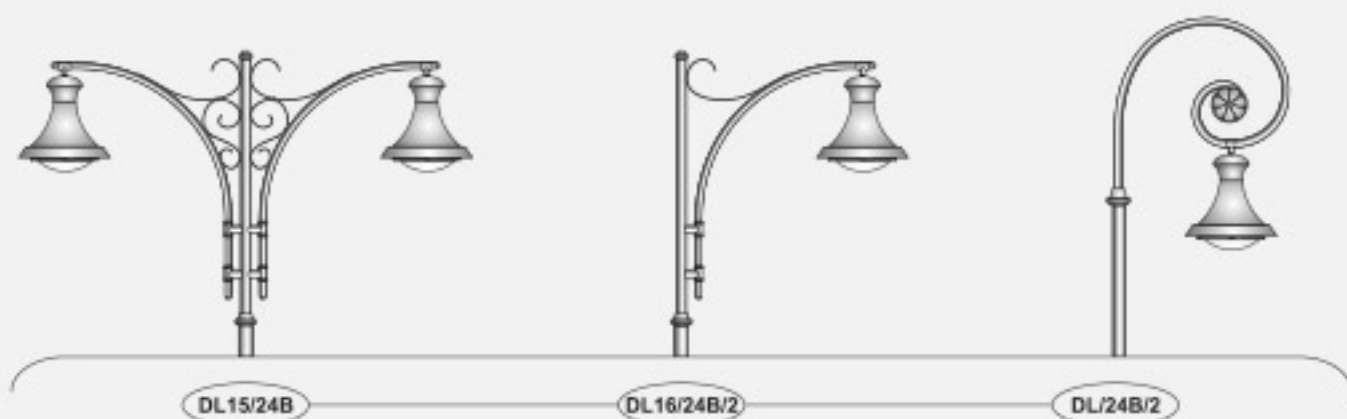
DS/161/05

← 7 m

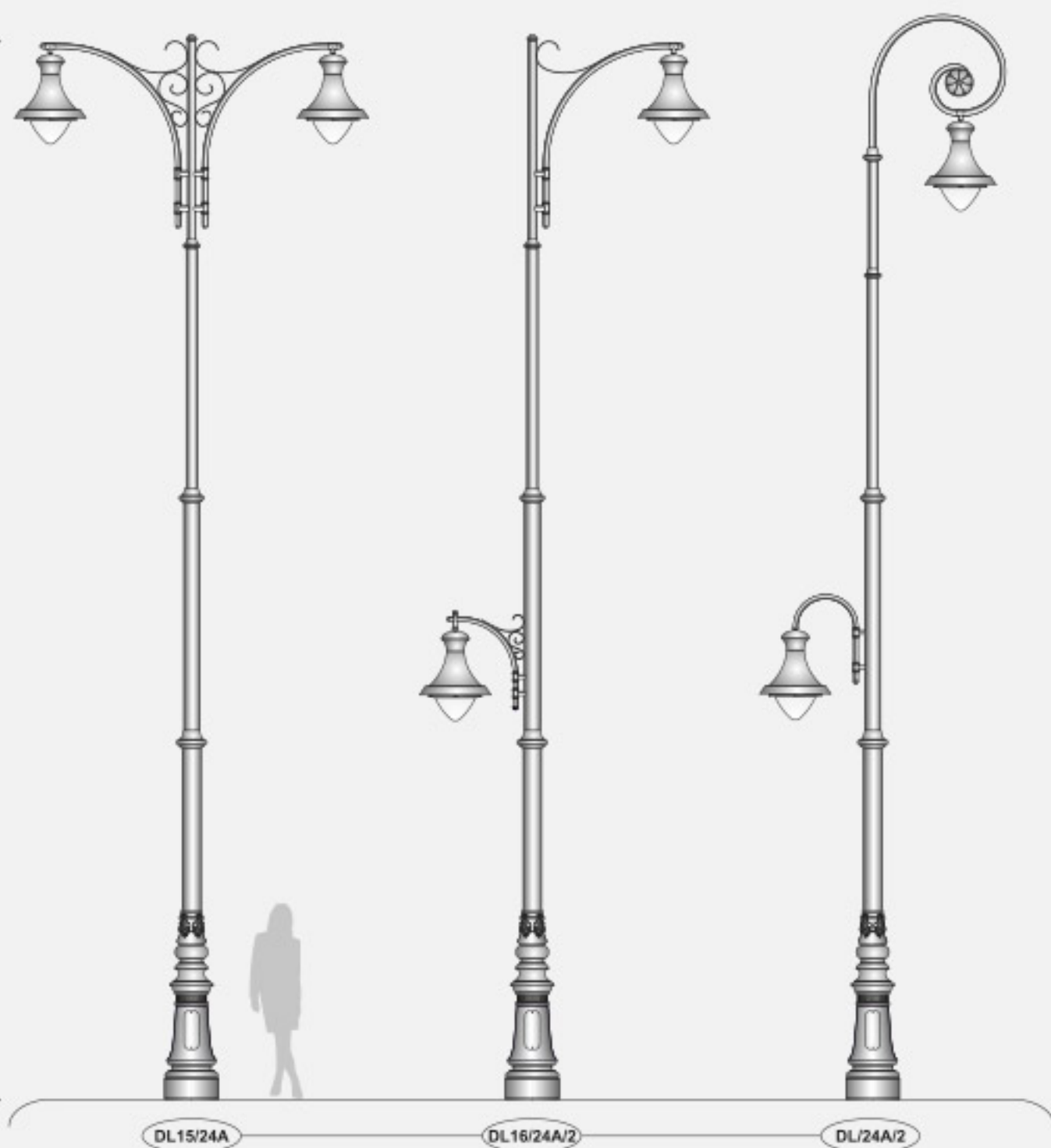
← 0 m

latarnie typu D

HIGH STREETLIGHTS, TYPE „D“



9 m →



0 m →



LATARNIE typu K

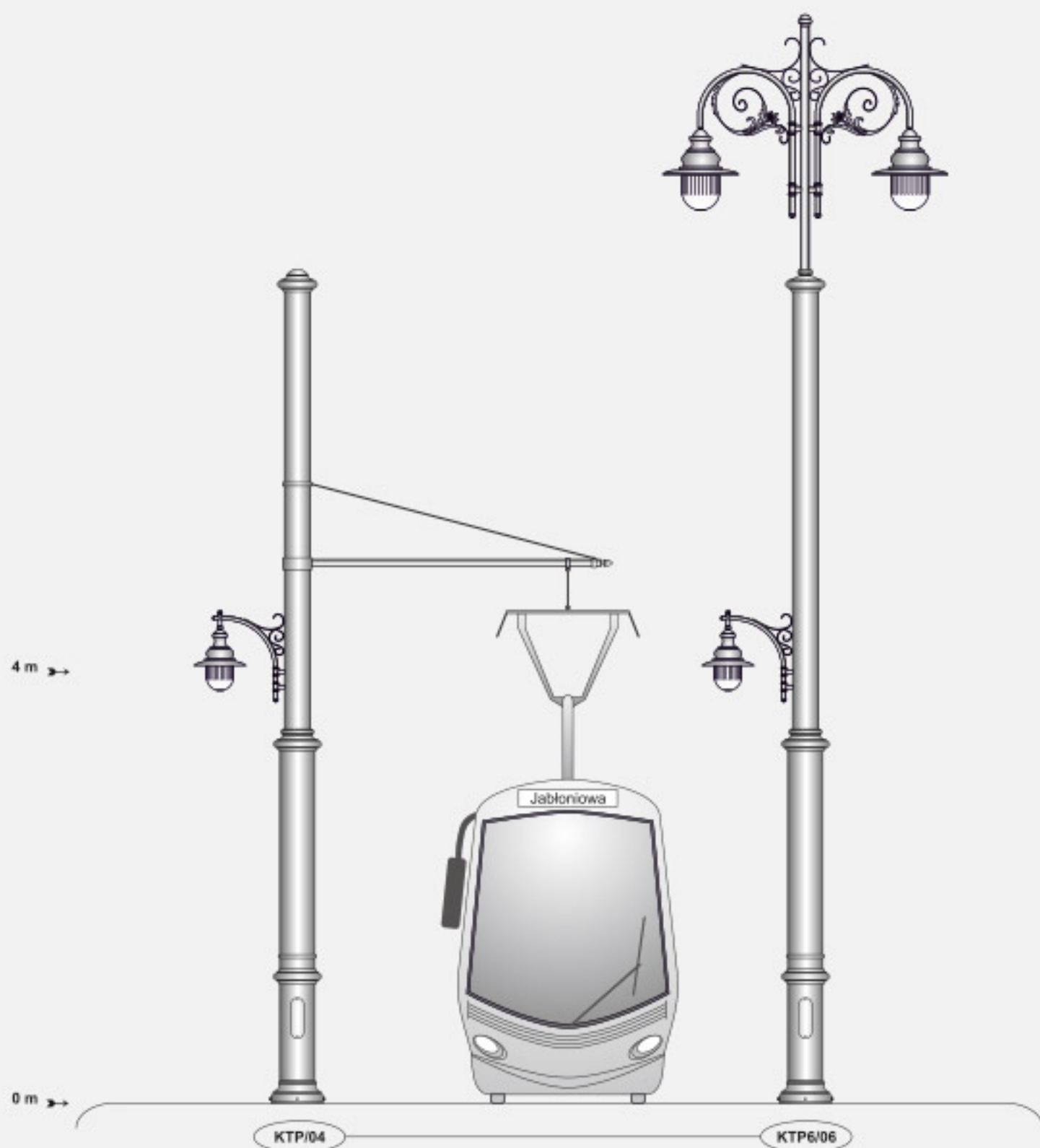
WYSOKIE LATARNIE STYLOWE
HIGH CLASSICAL STREETLIGHTS

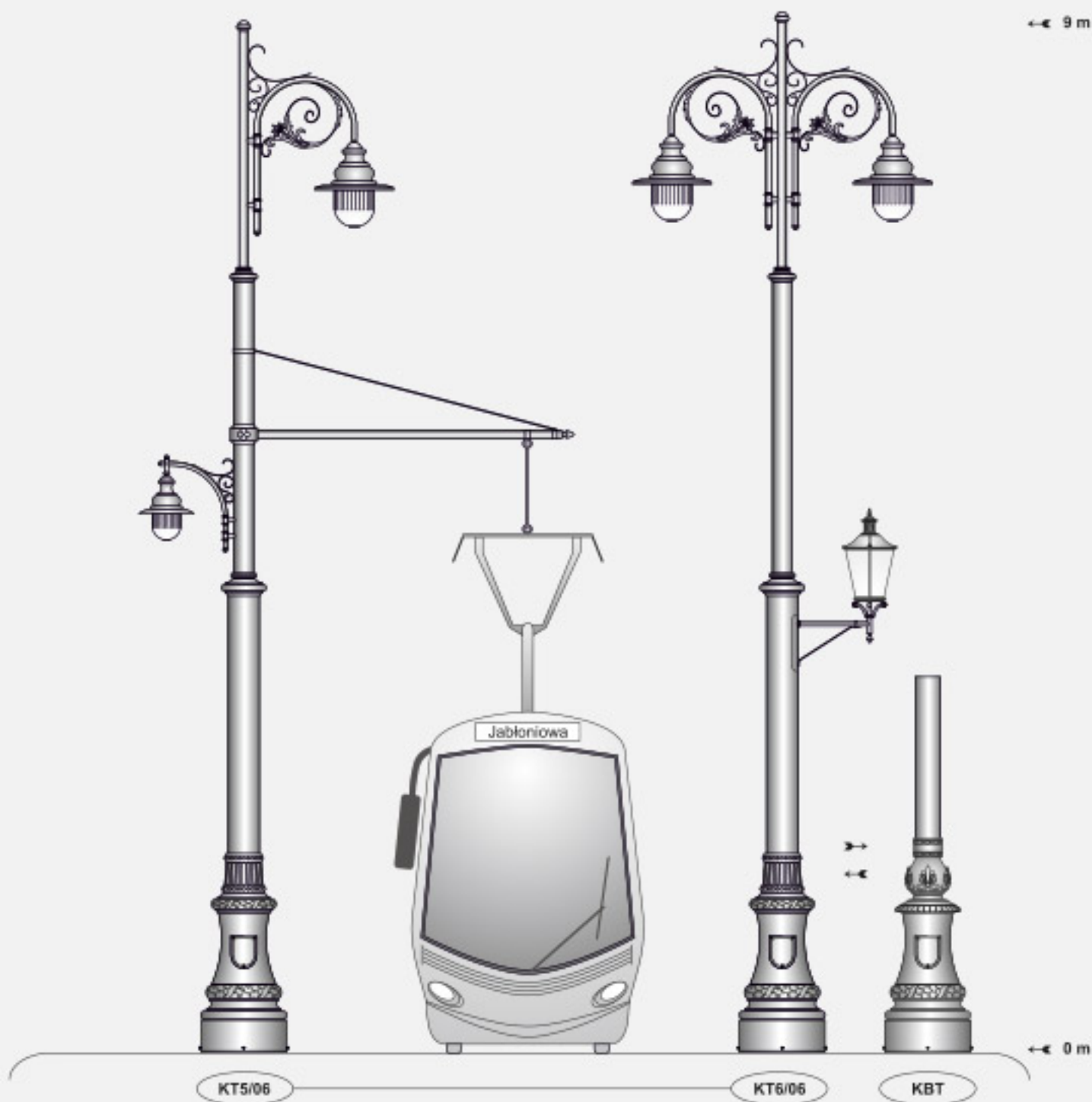
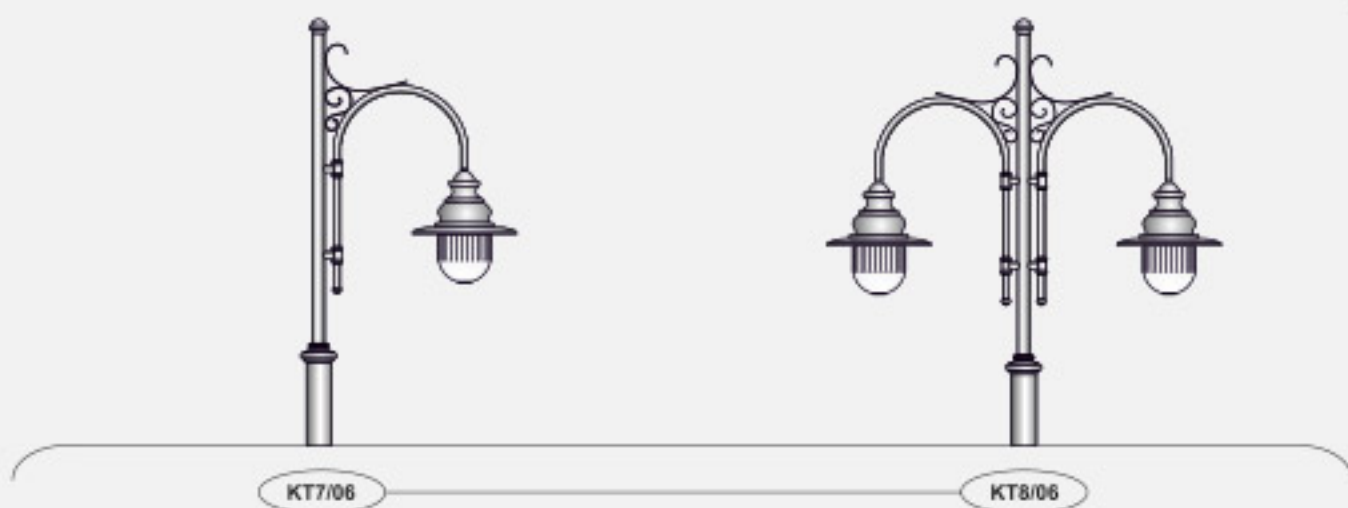
K
KB
KM
KS
KX
KT
KTP
KBM
MR

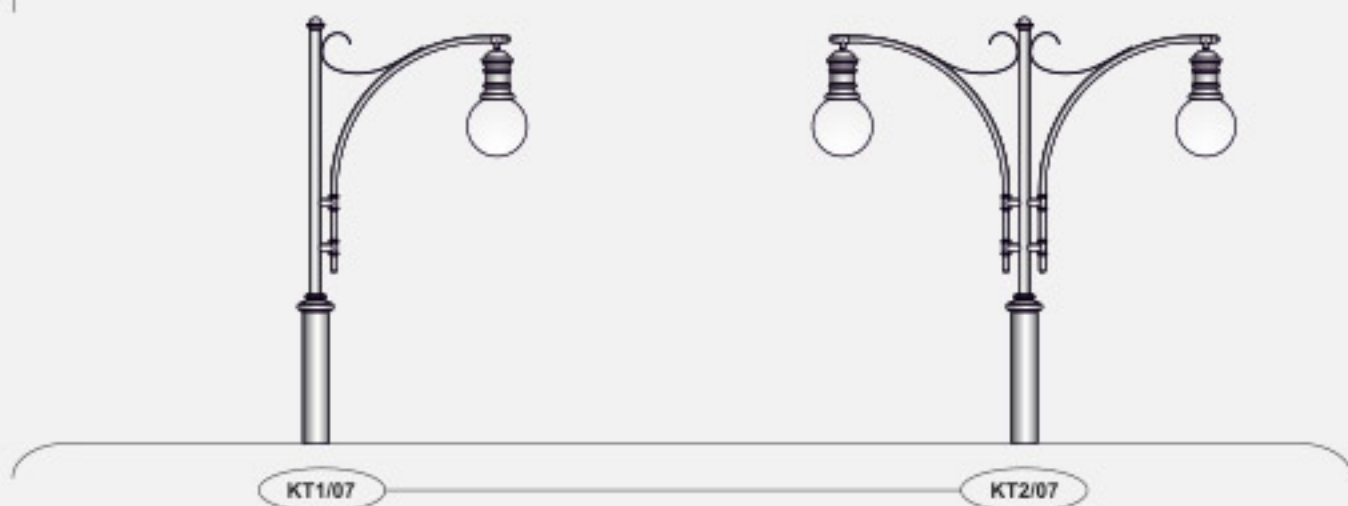
latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”

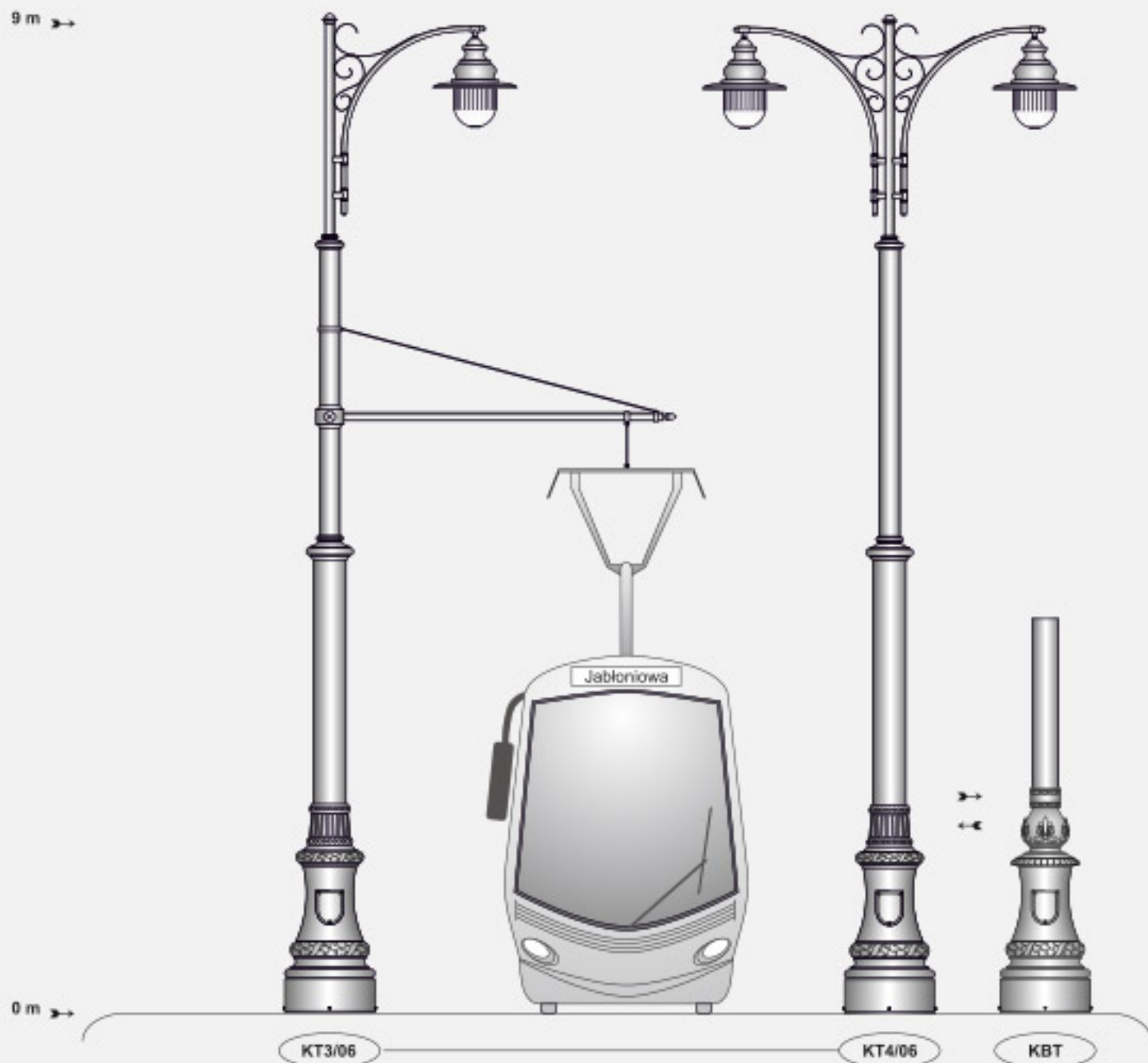
← 10 m







9 m →

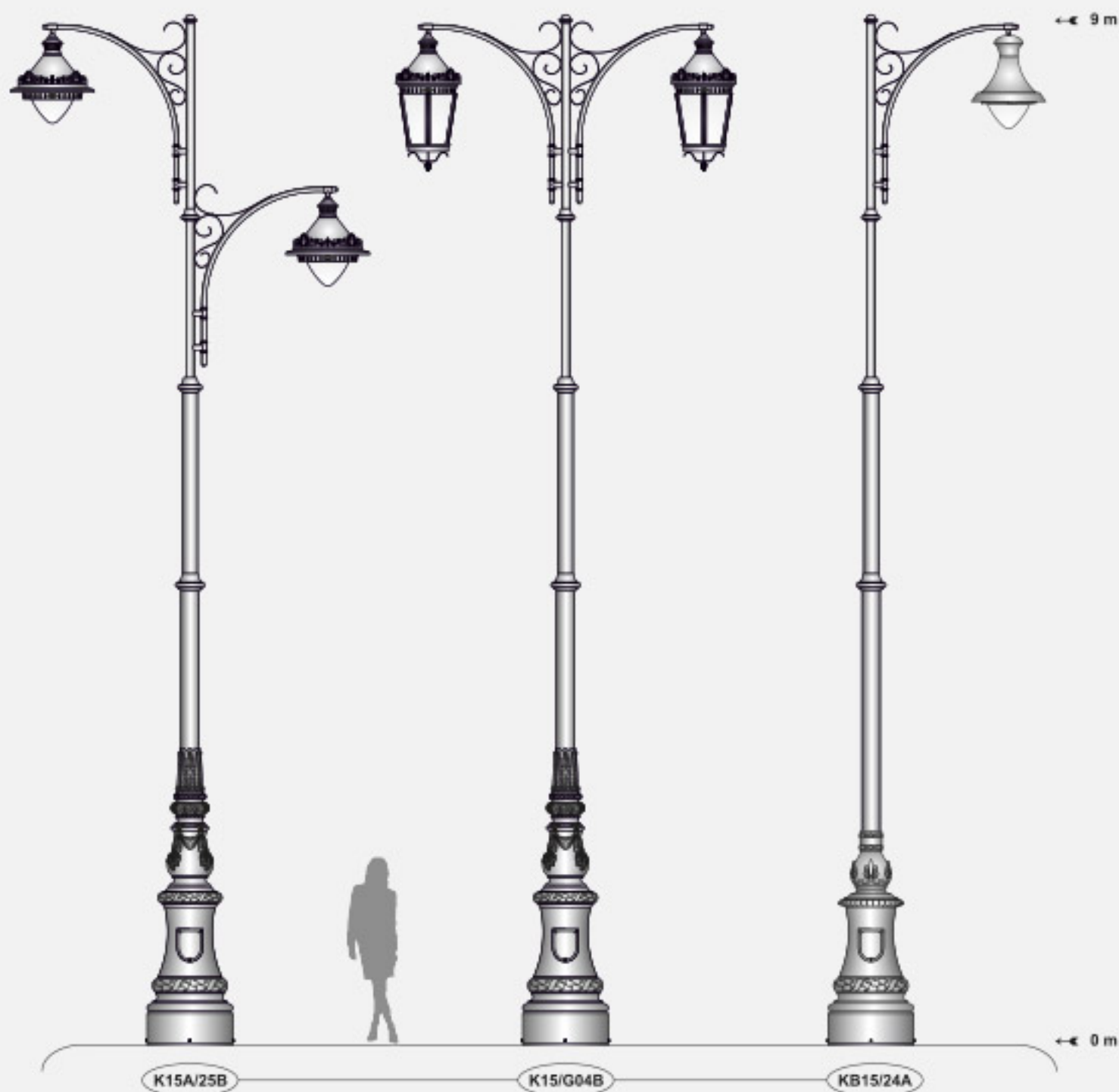
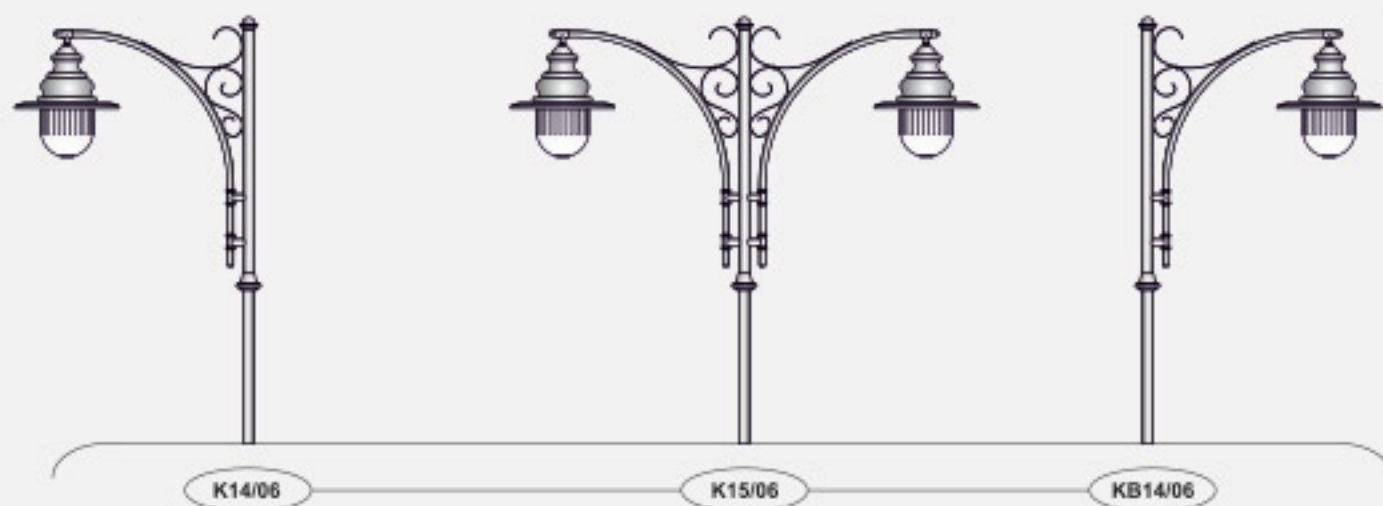


latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”



87



latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



K3/07



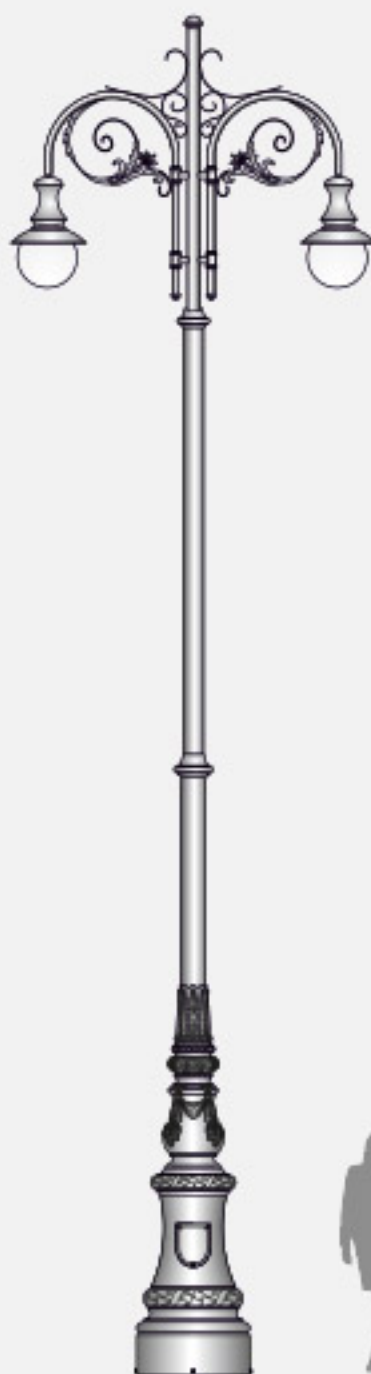
K2/05



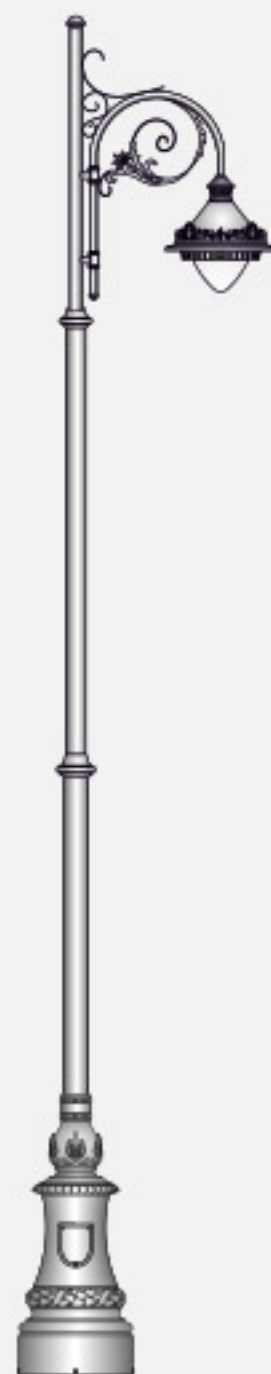
KB1/25B



K7/07



K6/05



KB5/25B

9 m →

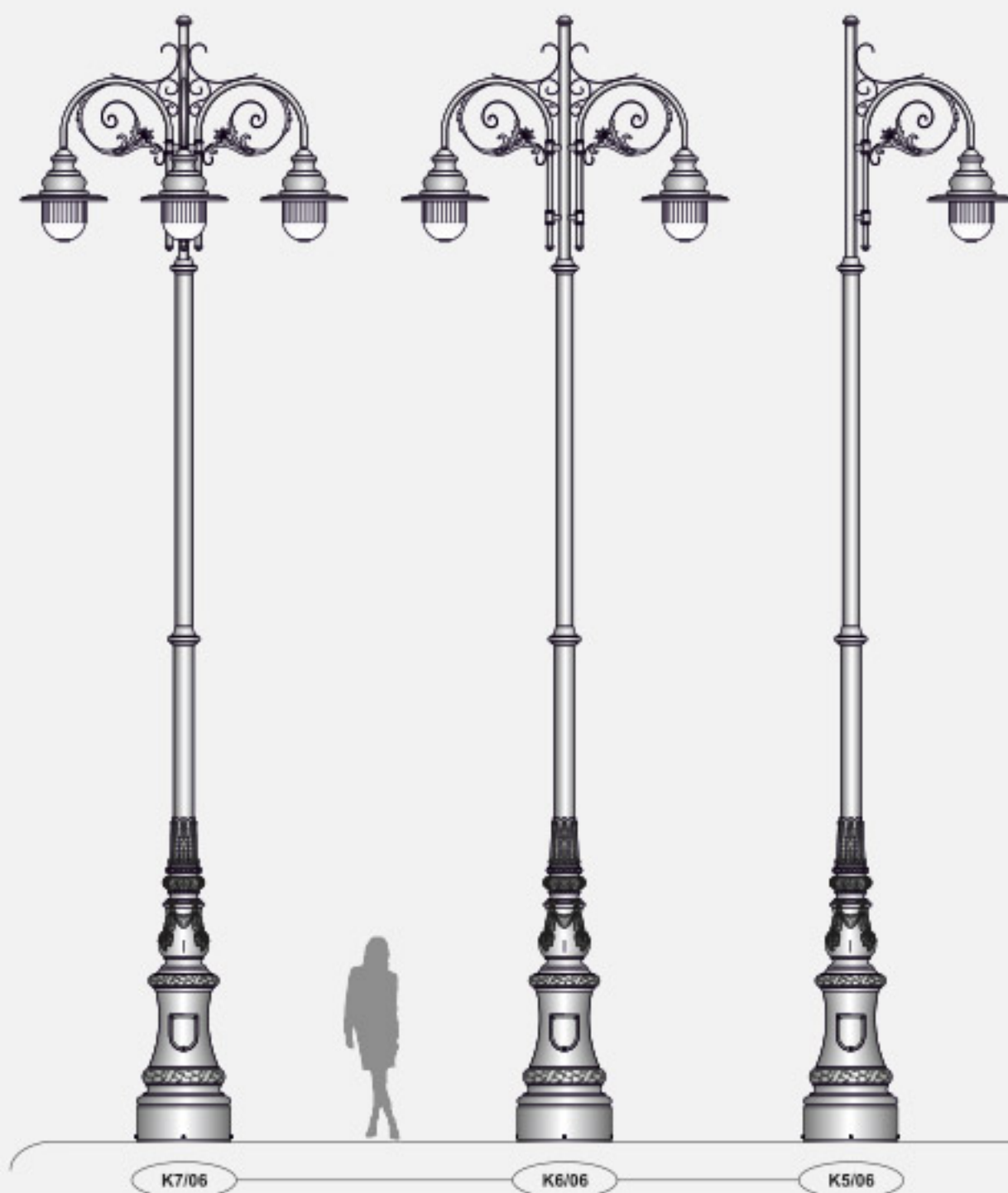
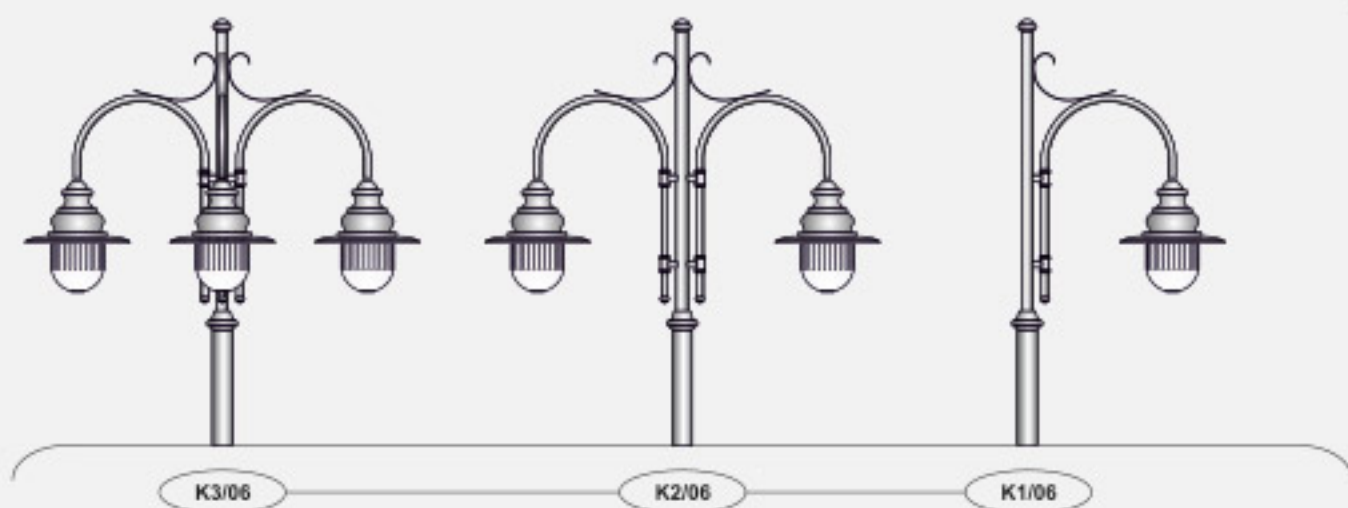
0 m →

latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”

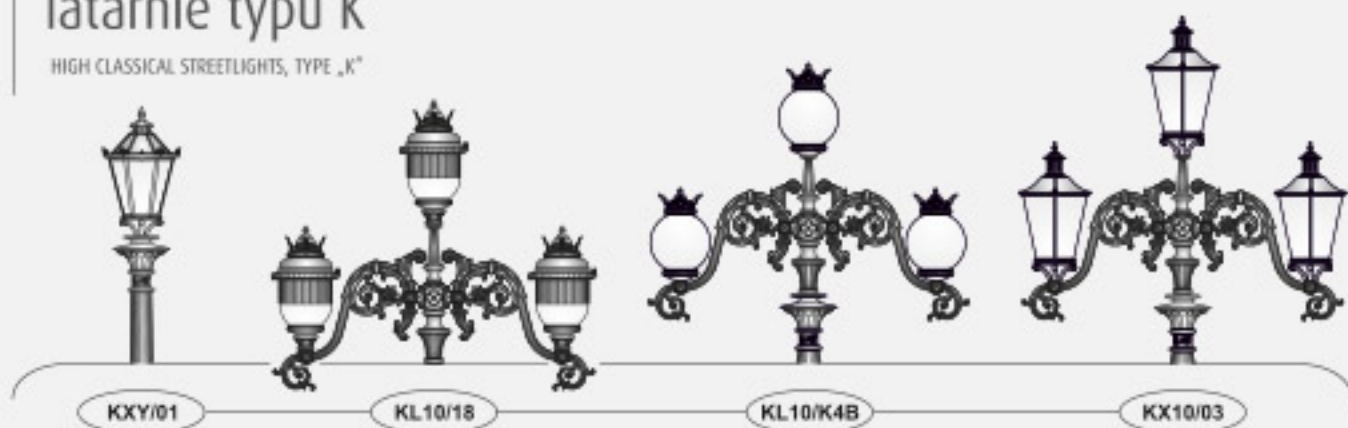


89



latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



5 m →

0 m →





KX9/07



KBX2/03



KL12/03



KXX/03

← 4 m



KX9/06



KBX2/18



KL12/18



KXX/19

← 5 m



KX9/24A



KBX2/A2



KL12/A2

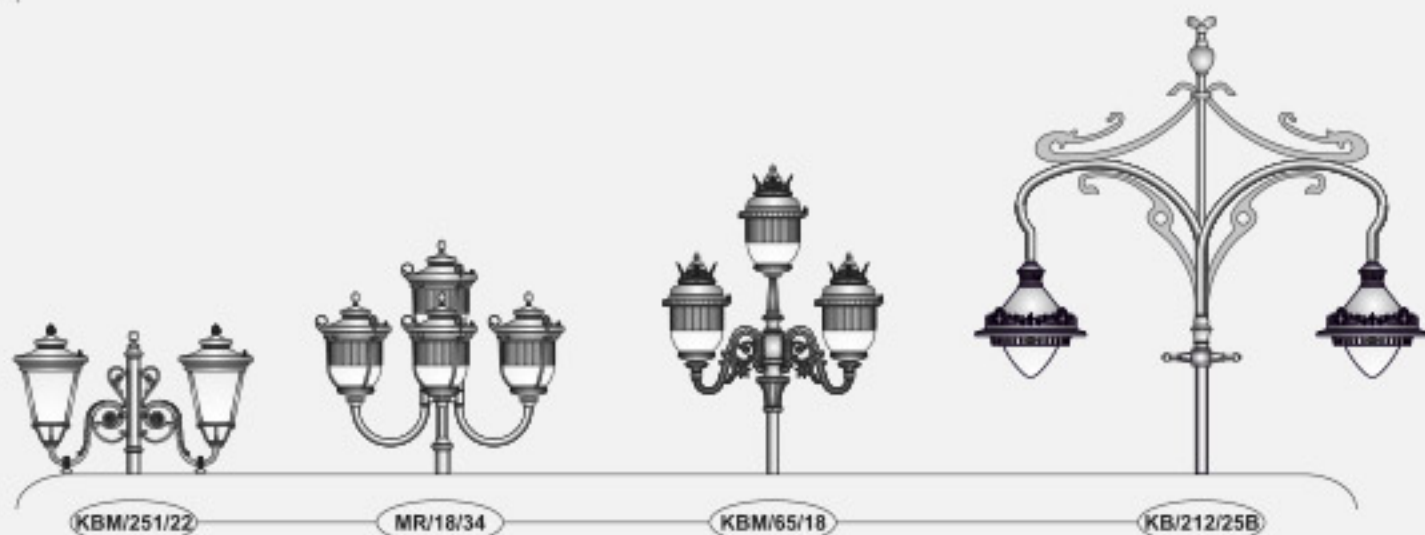


KXX/G04

← 0 m

latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



9 m →

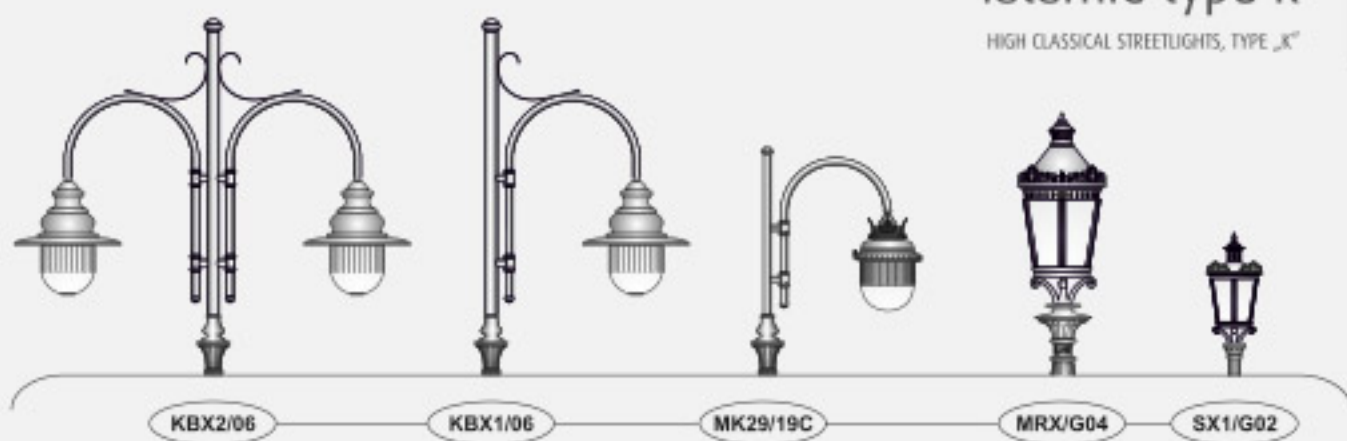


latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”



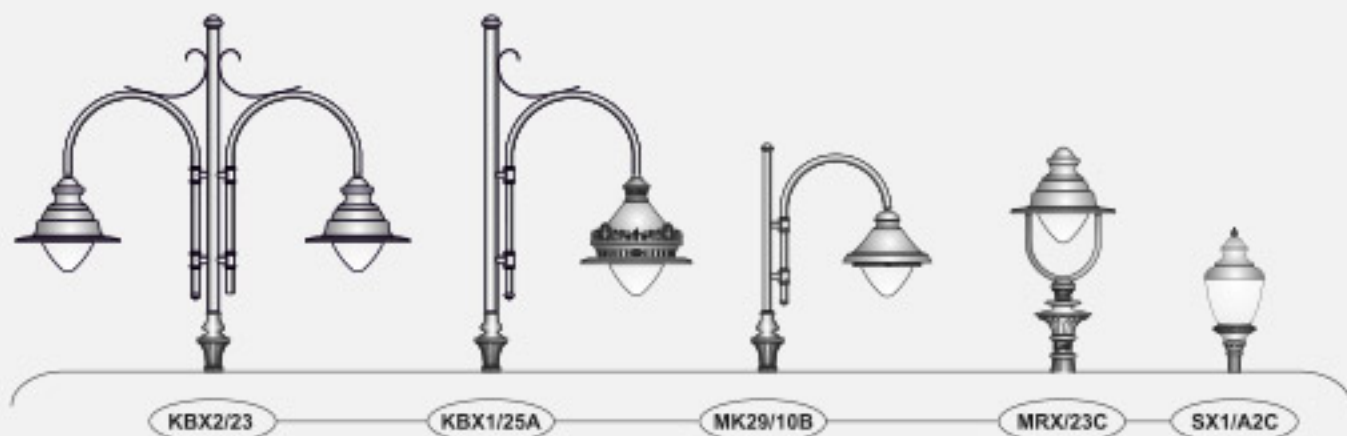
93



MRX/G04



SX1/G02



MRX/23C



SX1/A2C



MRX/23D



SX1/A2D

← 5 m

← 0 m

latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



KM5/K4B



KS4/A2



KS5/02



KM/02



KM5/19



KS4/01



KS6/22



KM/22



KM5/G02



KS4/G03



KS6/A2D



KM/A2D

5 m →



KM5/03



KS4/02/B



KS7/G02



KM/23D

0 m →



LATARNIE typu N

LATARNIE STYLowe
CLASSICAL STREETLIGHTS

N
NS

latarnie typu N

CLASSICAL STREETLIGHTS, TYPE „N“



C5N/A2



C3N/A2



C2N/A2



N/A2



B5N/03



B3N/03



B2N/03



N/03L



H5N/34A



H3N/34A



H2N/34B



N/34BL



A5N/01



A3N/01



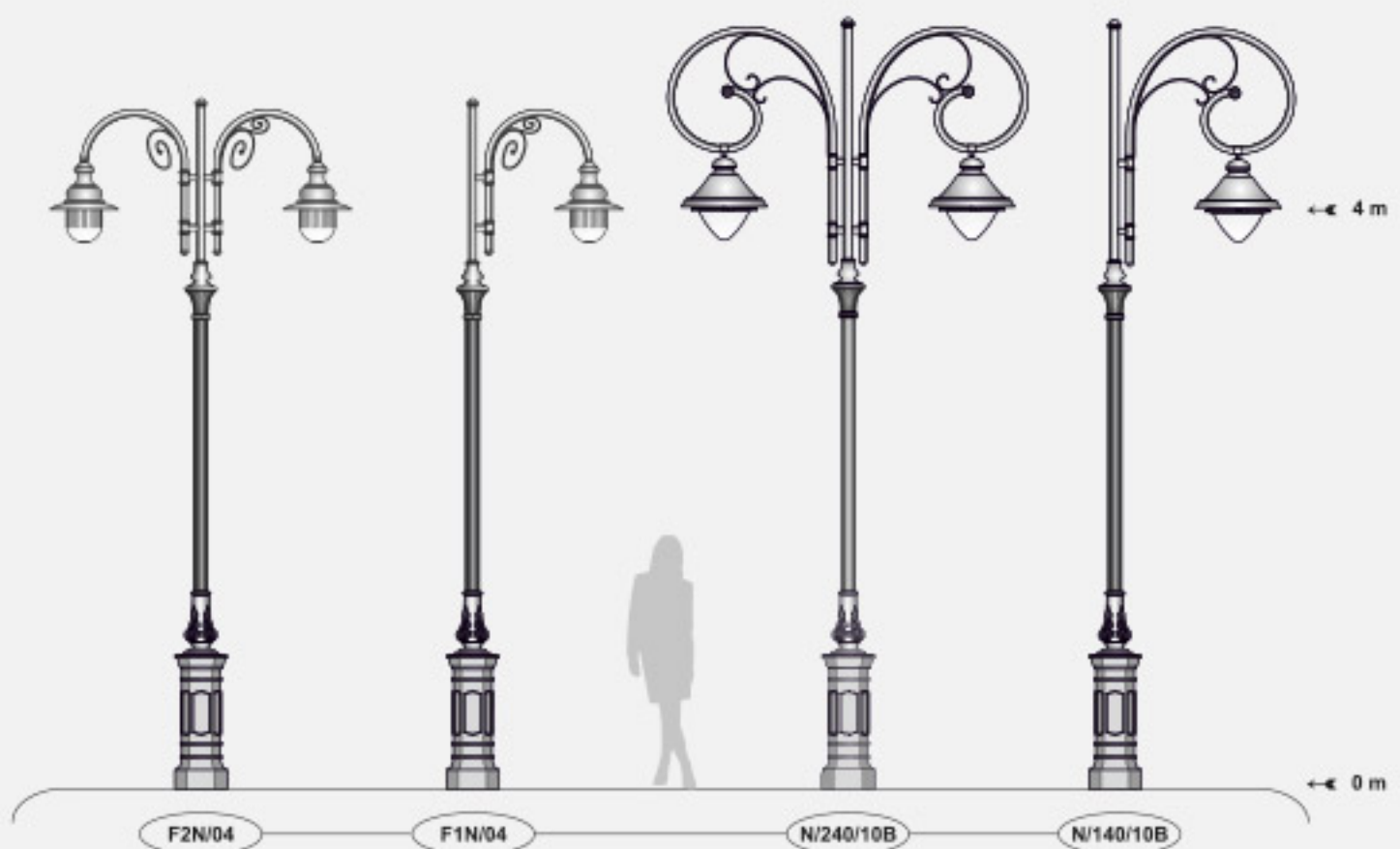
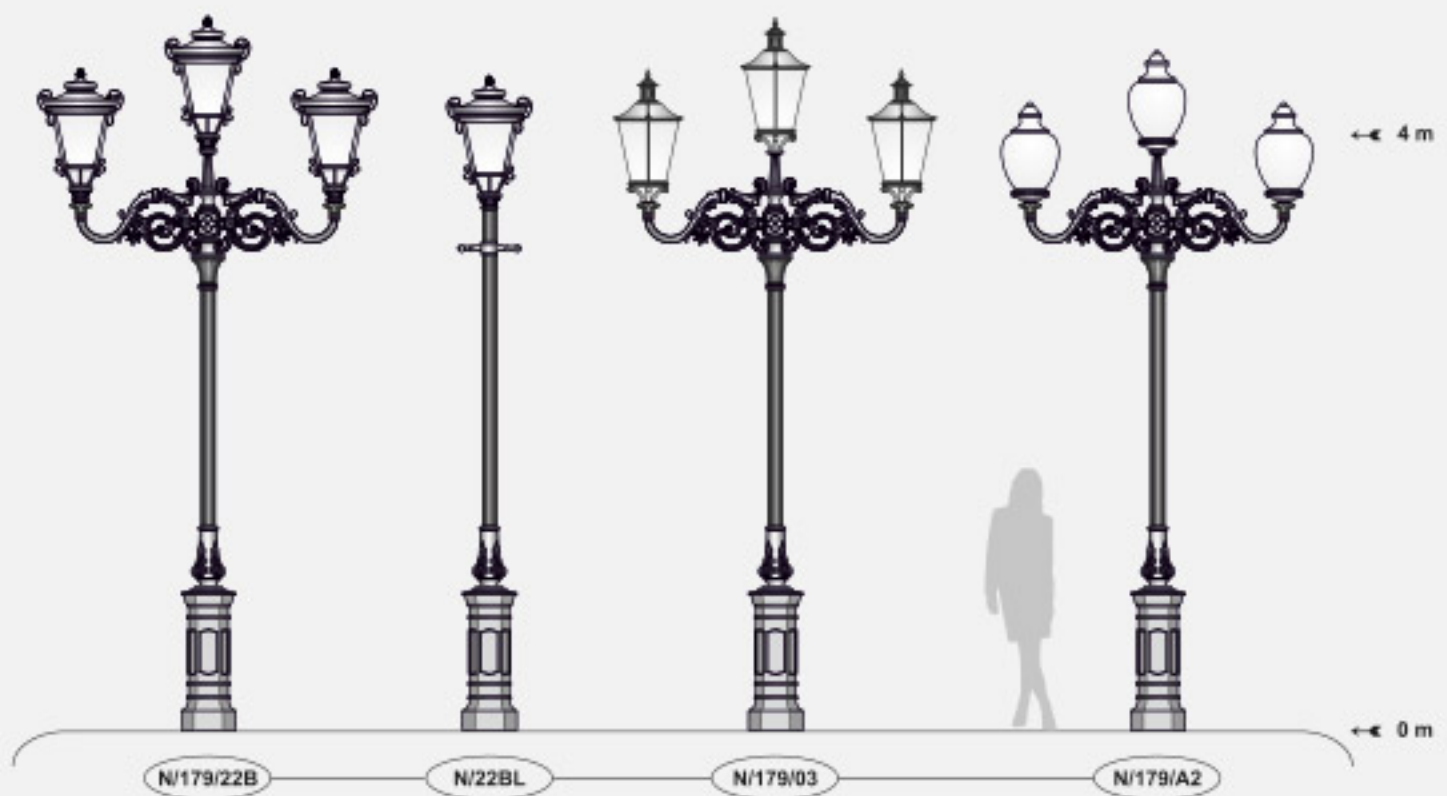
A2N/01

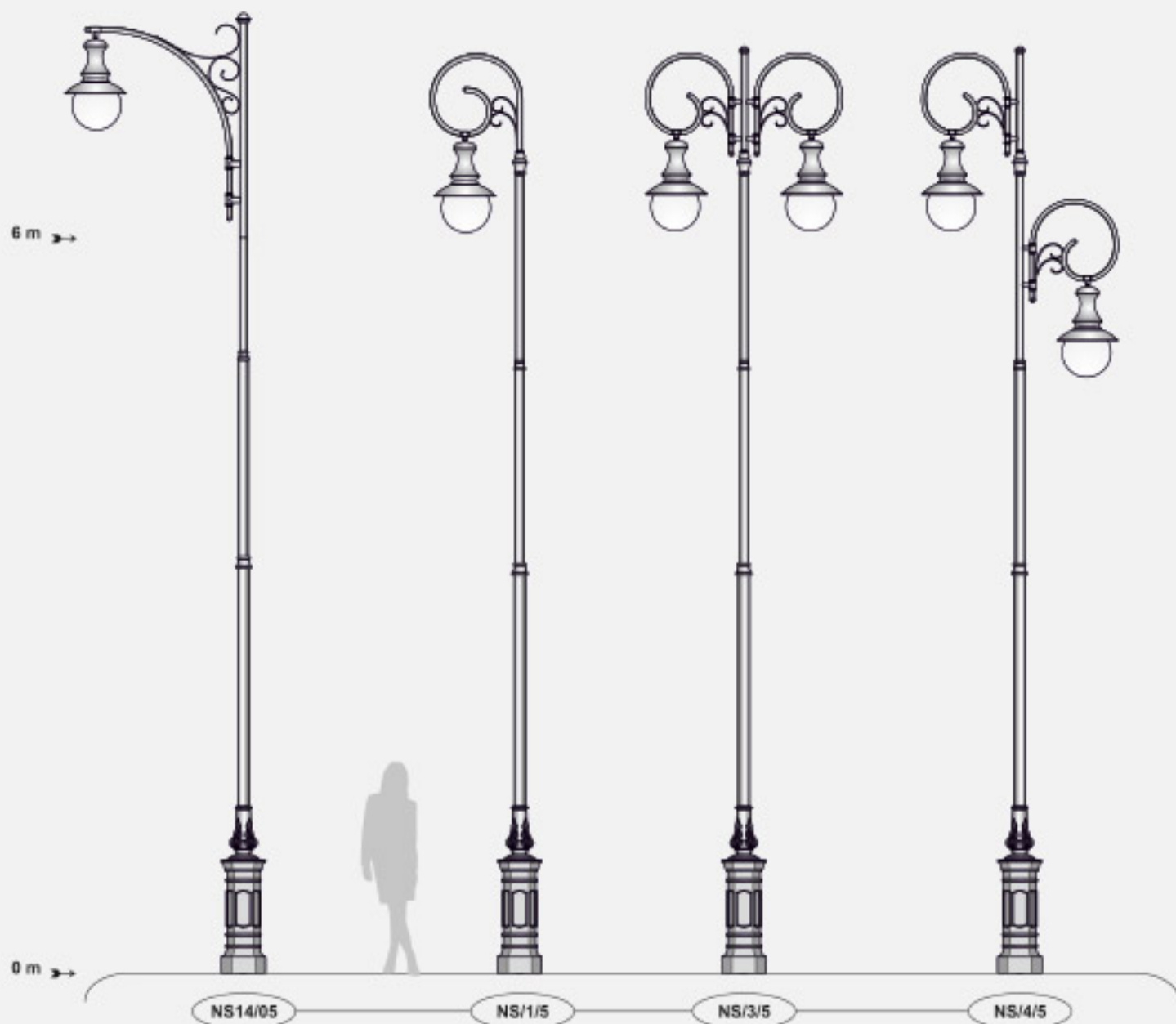
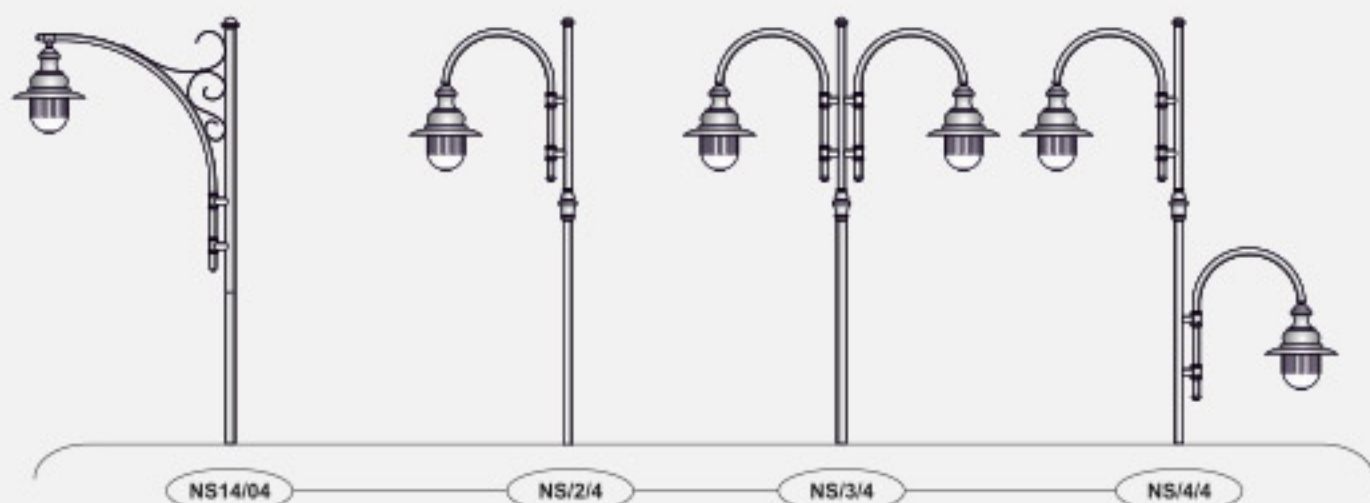


N/01G

4 m →

0 m →







OPRAWY NAŚCIENNE typu NA

OPRAWY NAŚCIENNE
WALL LUMINARIES

NA

oprawy nasienne NA

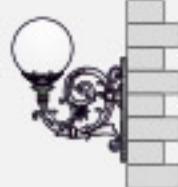
WALL LUMINARIES, TYPE „NA”



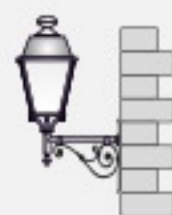
NA10



NA37



NA16



NA19



NA11



NA38



NA17



NA20



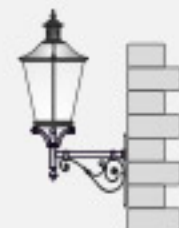
NA12



NA15



NA18



NA21



NA39



NA40



NA31



NA28



NA27



NA41



NA33



NA29



NA42



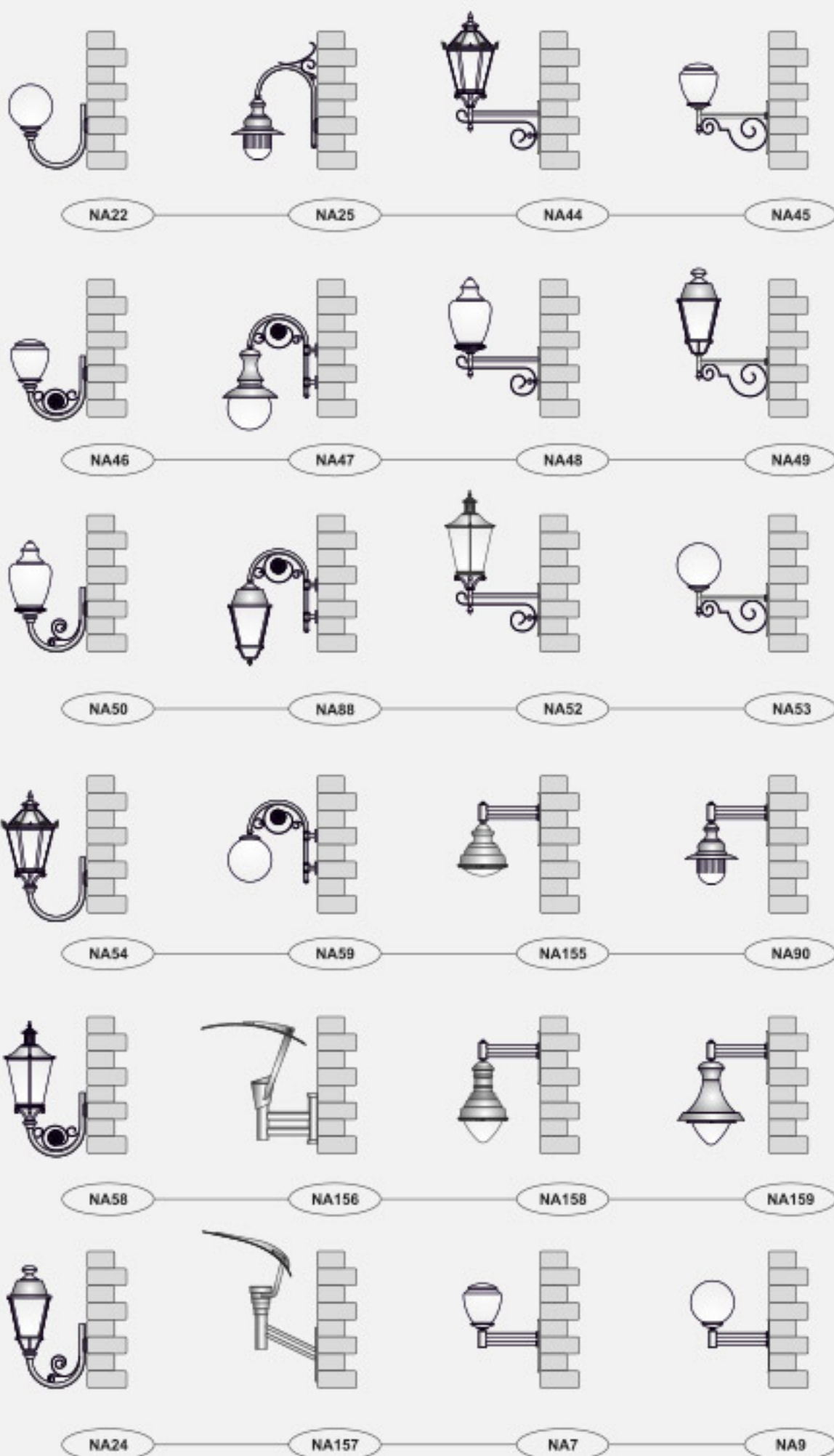
NA43



NA32

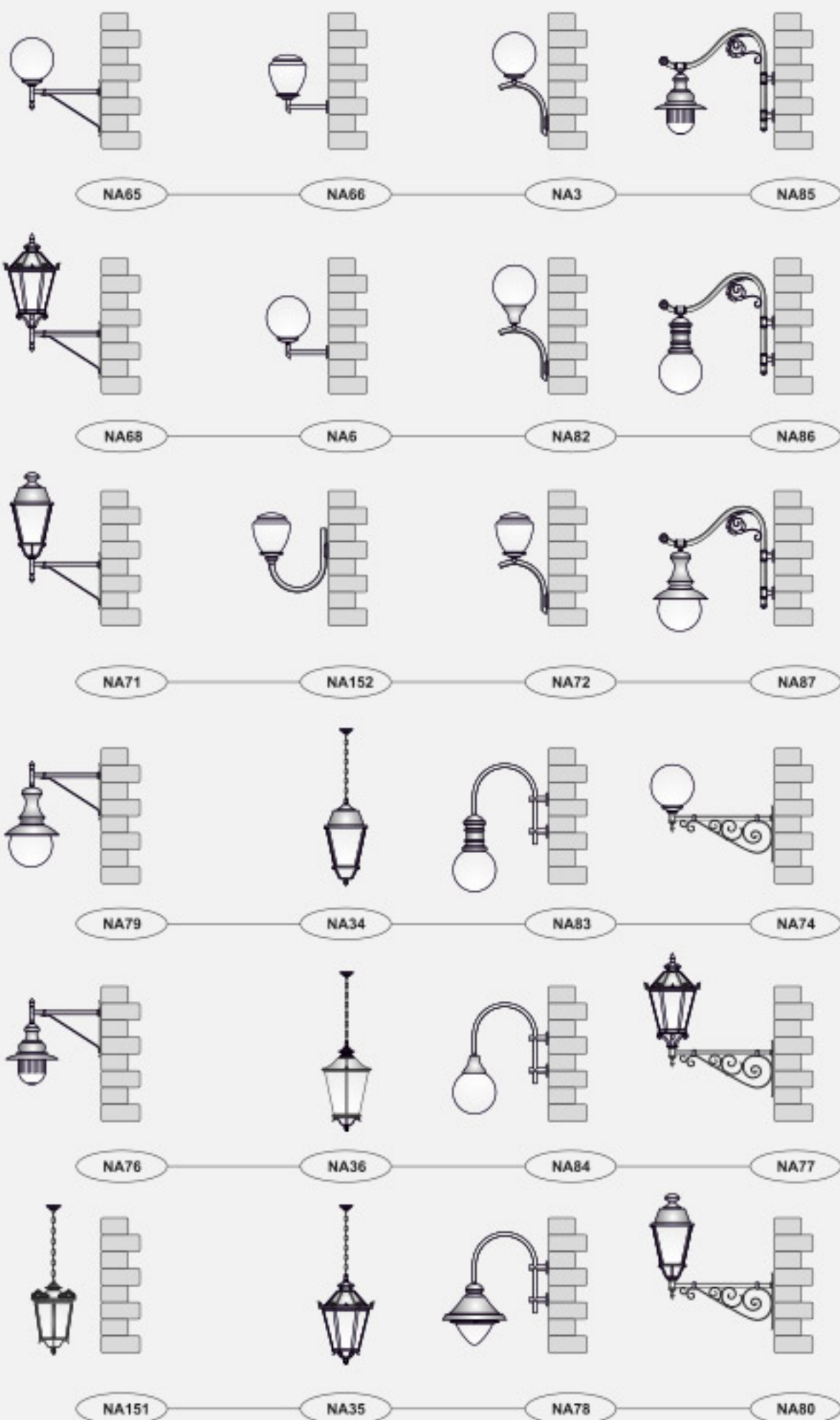


NA30



oprawy nasienne NA

WALL LUMINARIES, TYPE „NA”





NA103



NA94



NA107



NA96



NA97



NA95



NA93



NA102



NA100



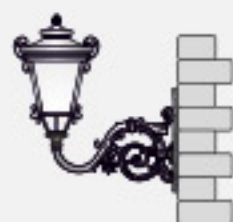
NA104



NA108



NA106



NA101



NA105



NA109



NA110



NA144



NA145



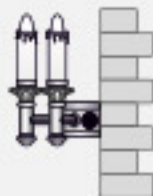
NA132



NA149



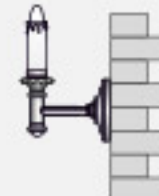
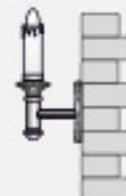
NA127



NA128



NA129



oprawy nasienne NA

WALL LUMINARIES, TYPE „NA”



NA111



NA112



NA113



NA114



NA115



NA142



NA124



NA121



NA116



NA119



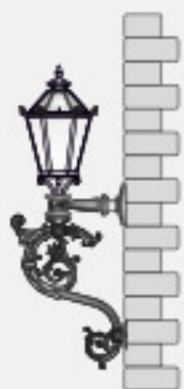
NA125



NA126



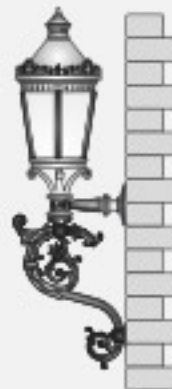
NA154



NA142



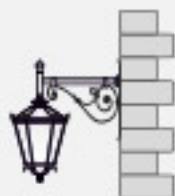
NA143



NA131



NA153



NA141



AM/NA



MC/NA



LP4



LP5



ME/NA



LP1



LP2



LP3



ŻYRANDOLE typ ZR

ŻYRANDOLE
CHANDELIERS

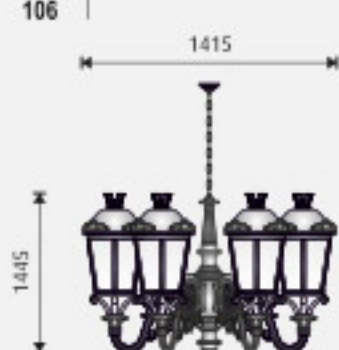
ZR



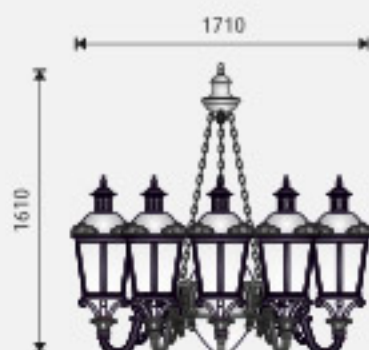
zyrandole ZR

CHANDELIERS

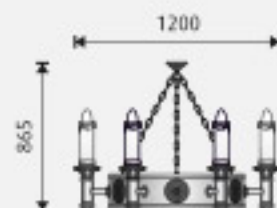
106



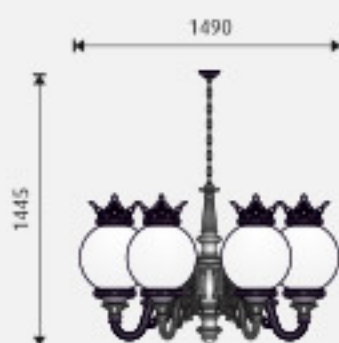
ZR/01/G03



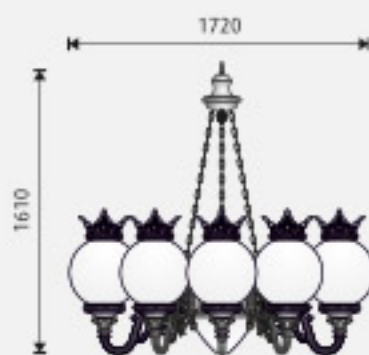
ZR/02/G03



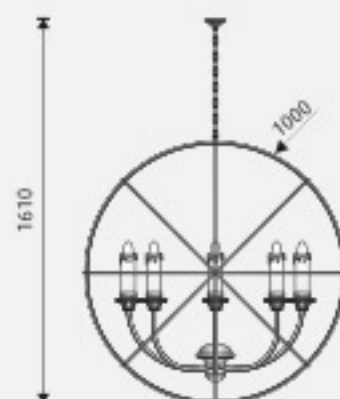
ZR/09/SW02



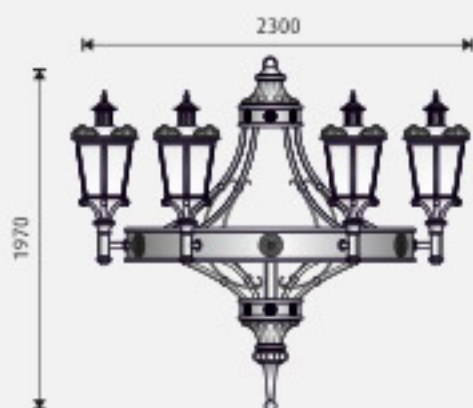
ZR/01/K4B



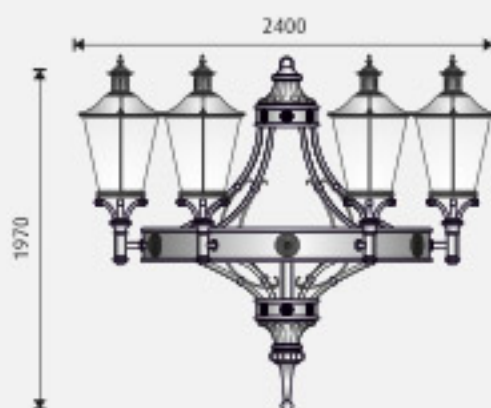
ZR/02/K4B



ZR/10/SW02



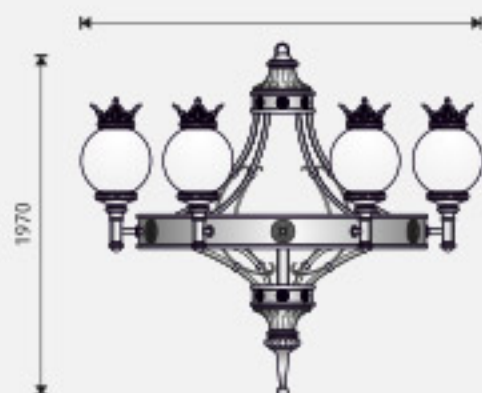
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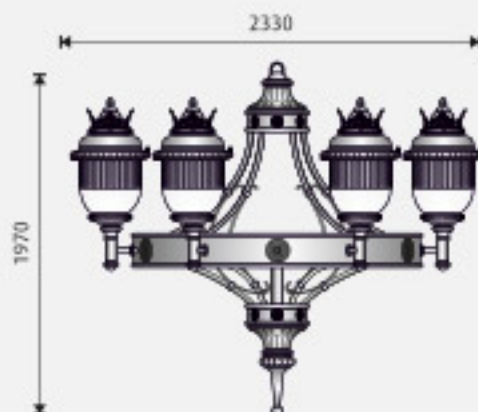
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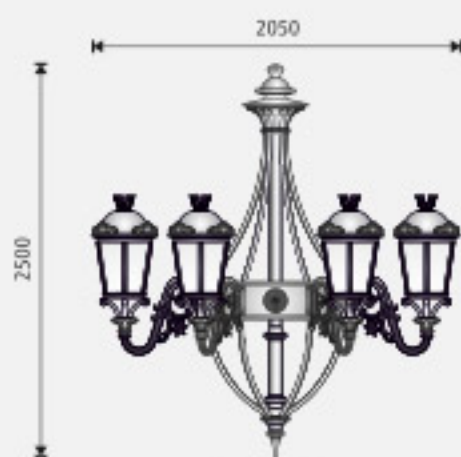
ZR/11



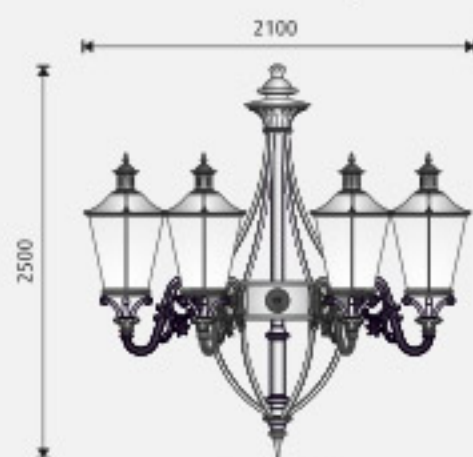
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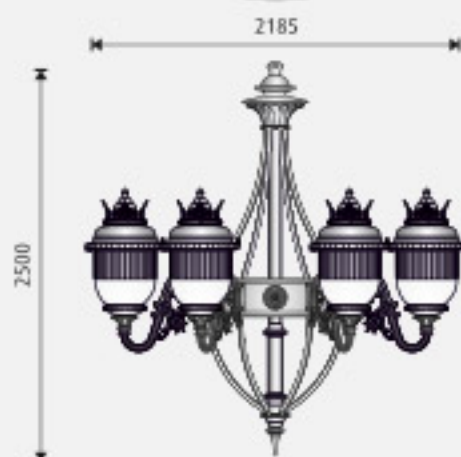
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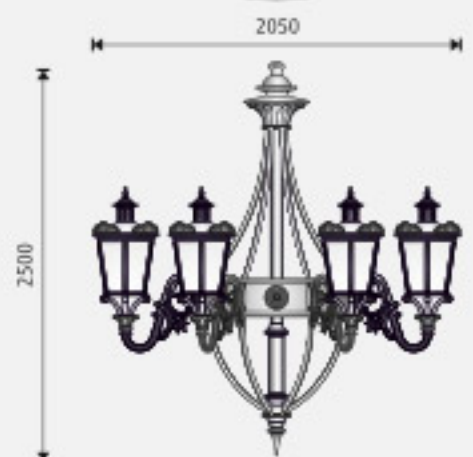
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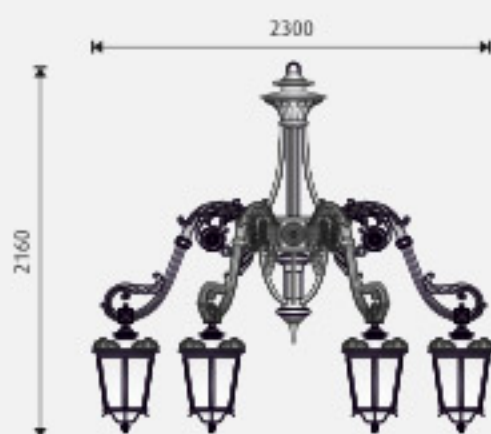
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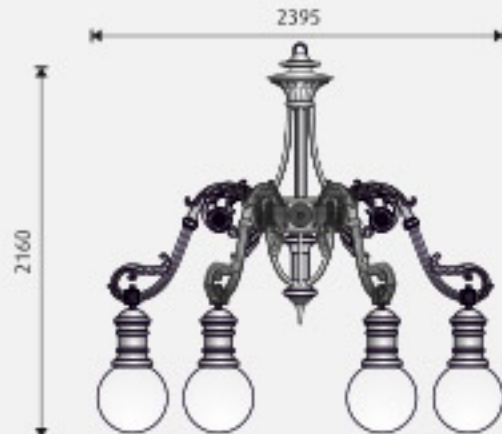
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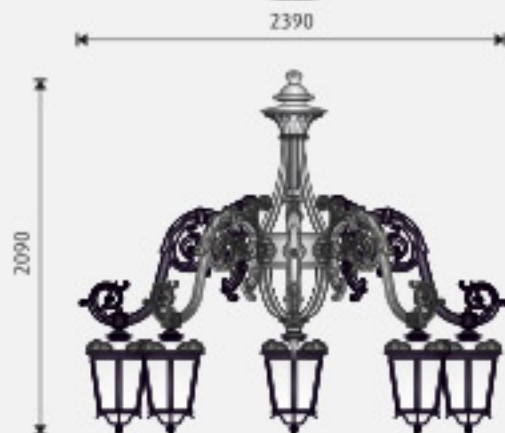
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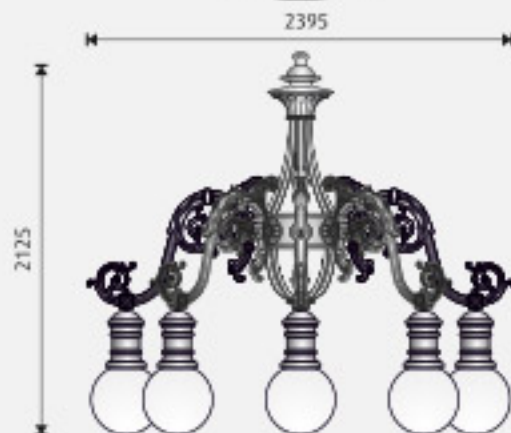
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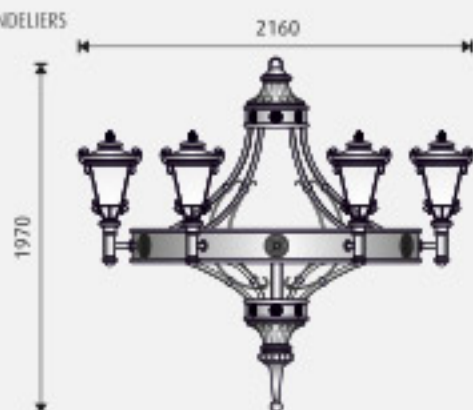
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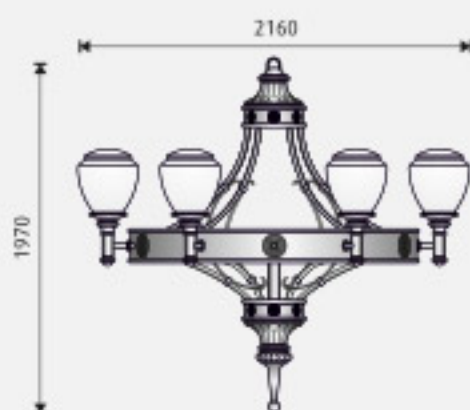
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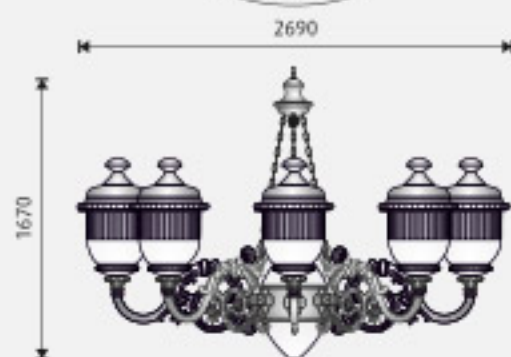
ZR/05/07



ZR/03/22M



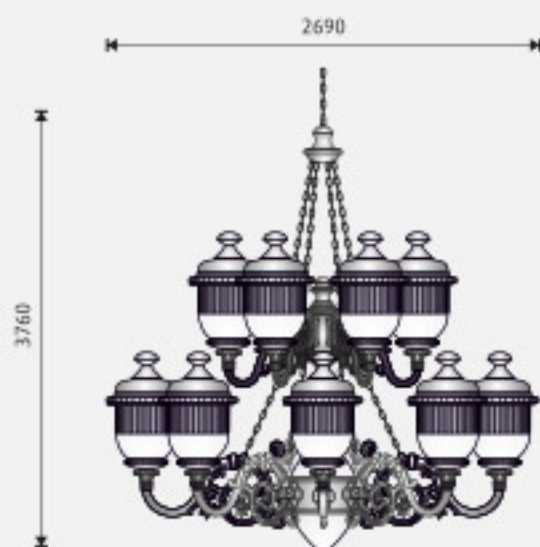
ZR/03/A5



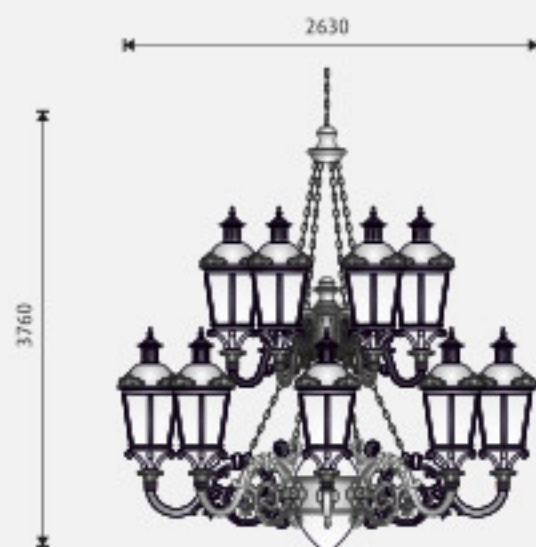
ZR/07/19



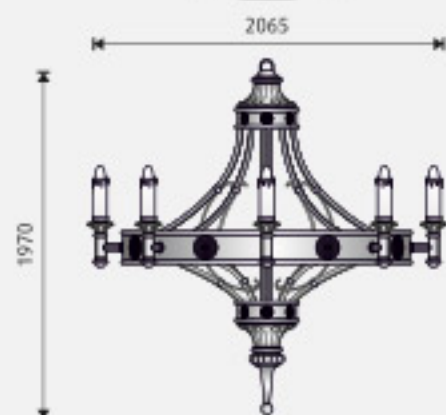
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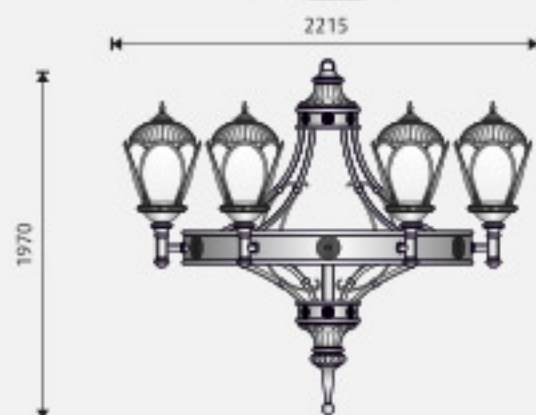
ZR/08/19



ZR/08/G03B



ZR/03/SW02



ZR/03/A2D



MAŁA ARCHITEKTURA

MAŁA ARCHITEKTURA
SMALL ARCHITECTURE

MA



LA5

ławki:

- odlew żeliwny zabezpieczony antykorozyjnie
- przygotowany do mocowania z podłożem
- siedzisko z drewna egzotycznego, zaimpregnowane

Benches:

- cast iron elements
- seat made of impregnated, exotic wood
- ready for site installation



LA9



LA6



LA7



LA8



LA2



LA4



LA1

Kosze

- rura stalowa z aluminiowymi elementami ozdobnymi
- pojemnik z blachy stalowej ocynkowanej
- mocowanie bezpośrednio w gruncie lub kotwienie do podłoża
- opcjonalnie w wersji z daszkiem

Litter bins

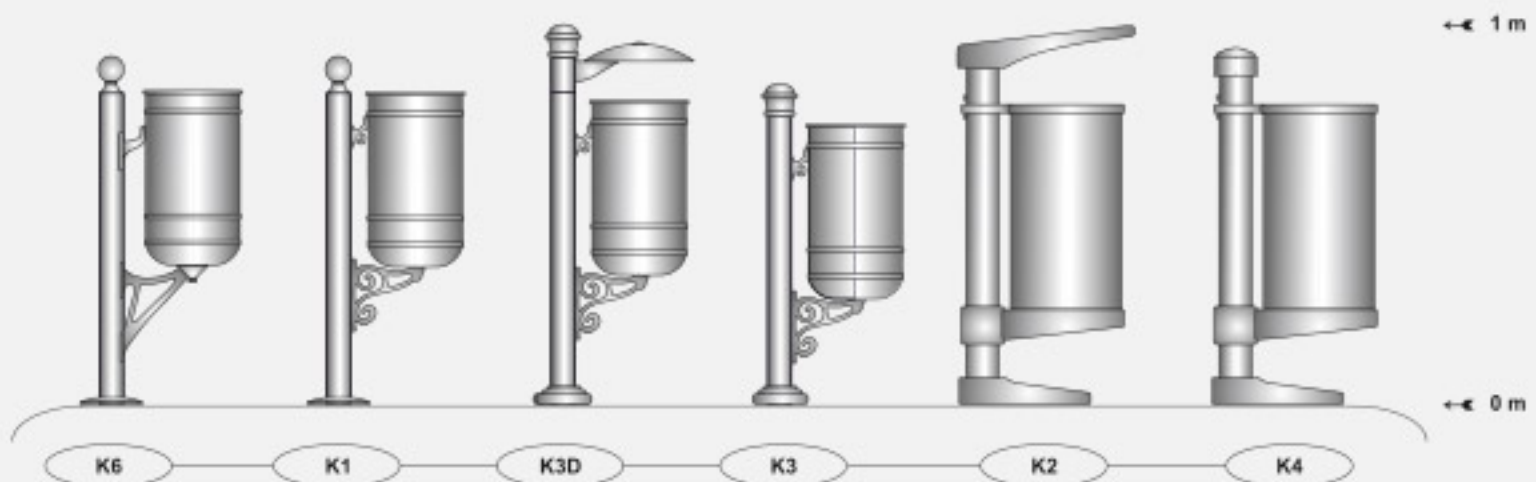
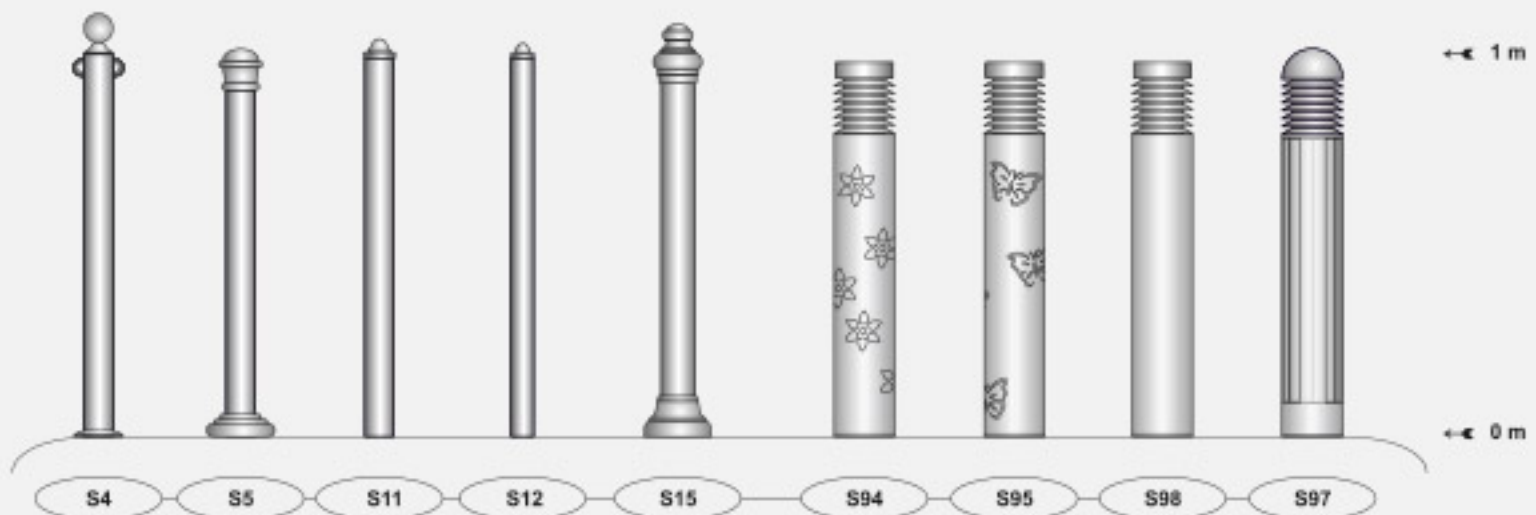
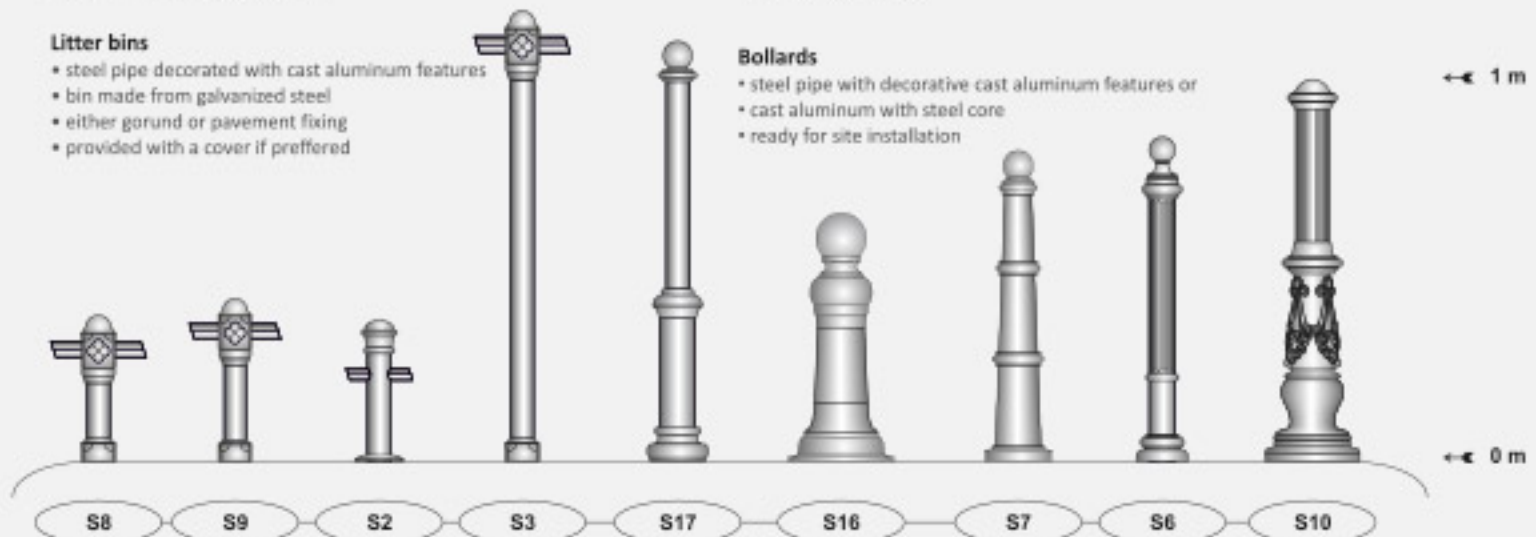
- steel pipe decorated with cast aluminum features
- bin made from galvanized steel
- either ground or pavement fixing
- provided with a cover if preferred

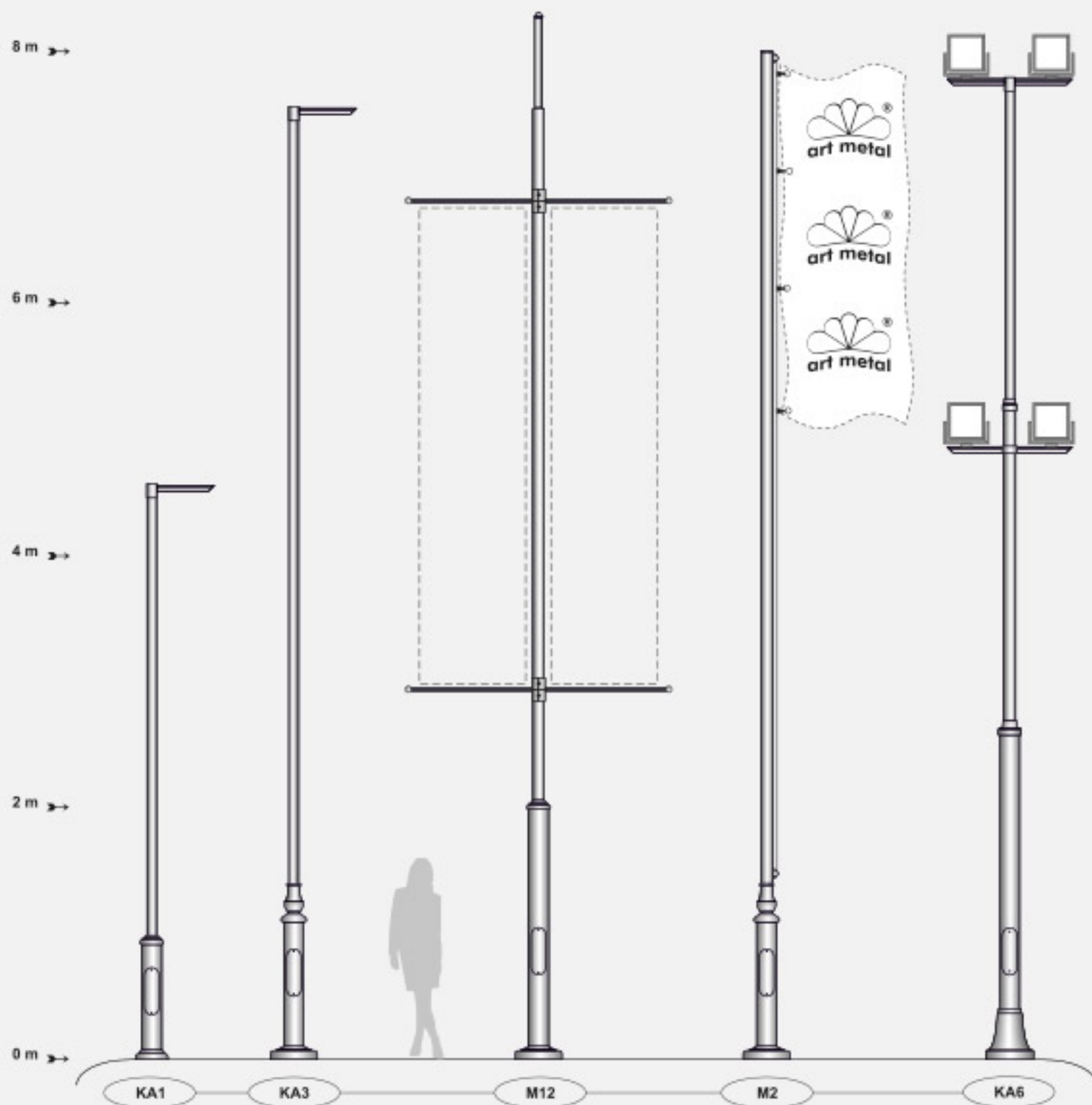
Słupki

- stalowa rura z aluminiowymi elementami ozdobnymi lub
- odlew aluminiowy ze stalowym rdzeniem
- gotowe do montażu

Bollards

- steel pipe with decorative cast aluminum features or
- cast aluminum with steel core
- ready for site installation





Zdroje do wody:

- konstrukcja odlewana żeliwna
- wylewki mosiężne - odkręcana z kurkiem lub czasowa z przyciskiem
- instalacja wewnętrzna nie wchodzi w skład zestawu
- zalecany montaż zaworu redukującego ciśnienie wody do 0,1 MPa

Water fountains:

- made from cast iron
- bronze taps - traditional or with time setting to control the water supply
- internal fitting is included into set
- reduction 0,1 MPa valve advised



wylewka z przyciskiem



wylewka odkręcana

← 1 m

← 0 m

Z03

Z04

2,5 m →

Pompy uliczne - ręczne:

- odlewane z żeliwa stylowe urządzenie służące do ręcznego tłoczenia wody

Steel pumps - hand operated:

- cast iron, hand operated classical installation



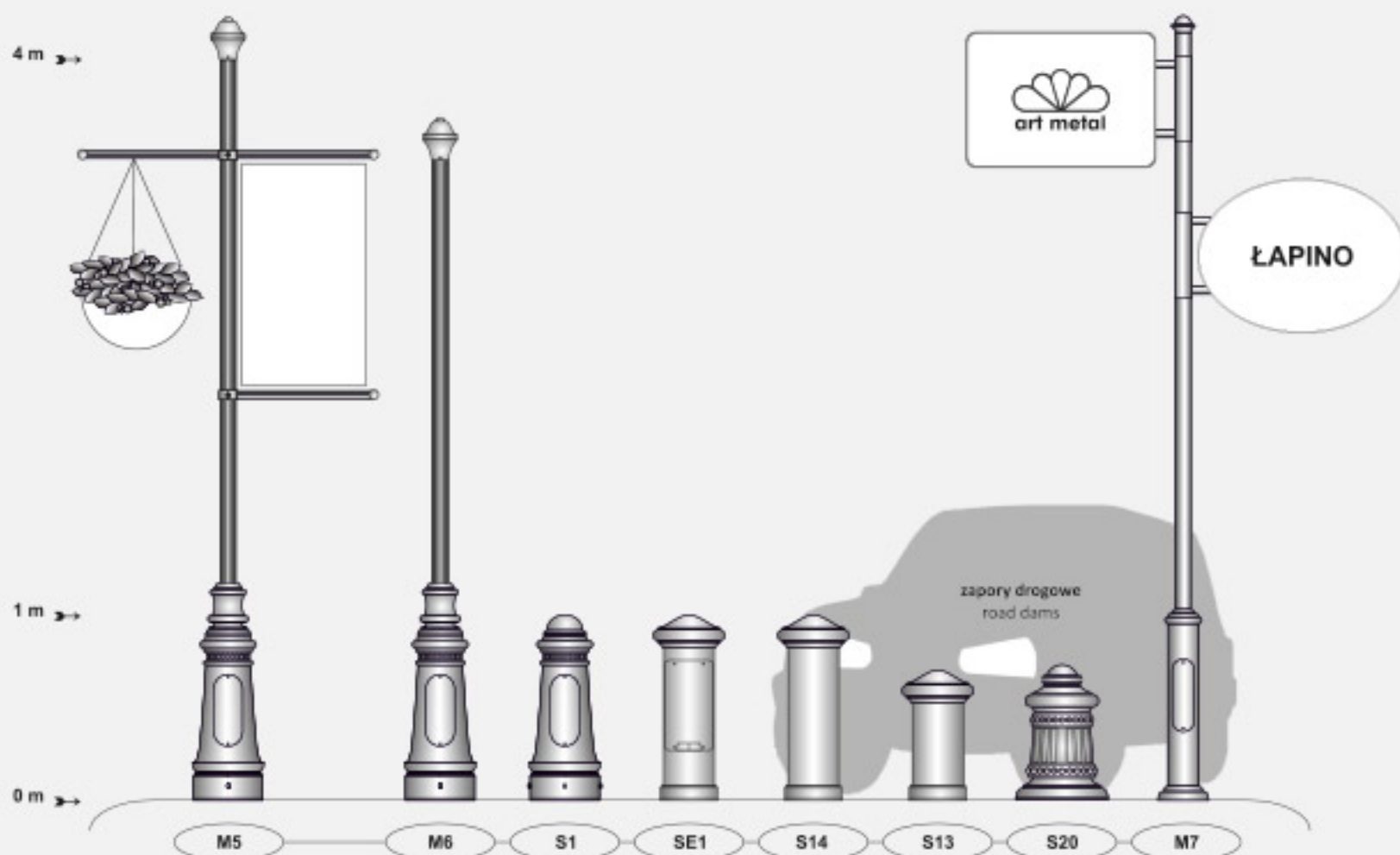
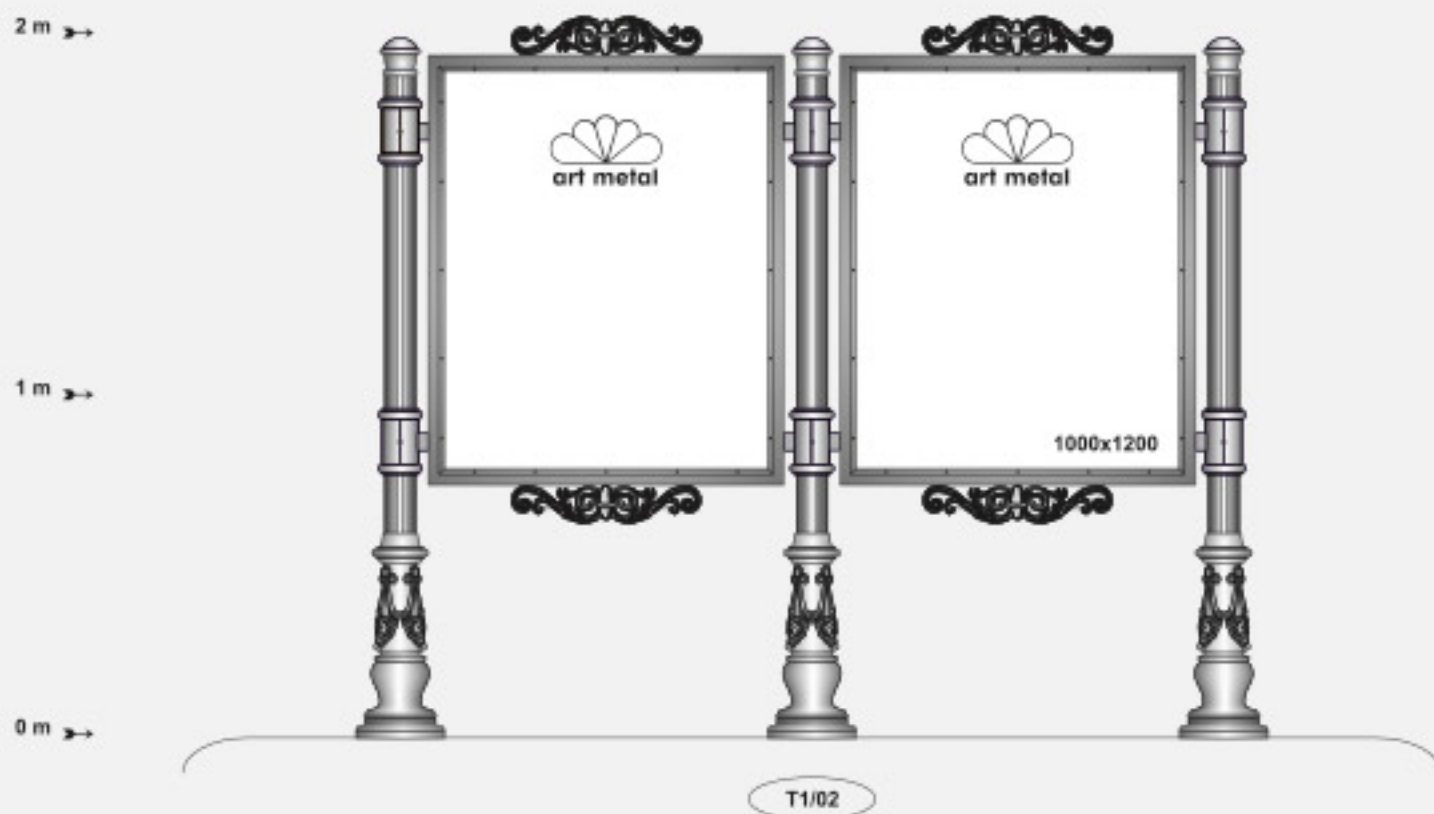
← 1,5 m

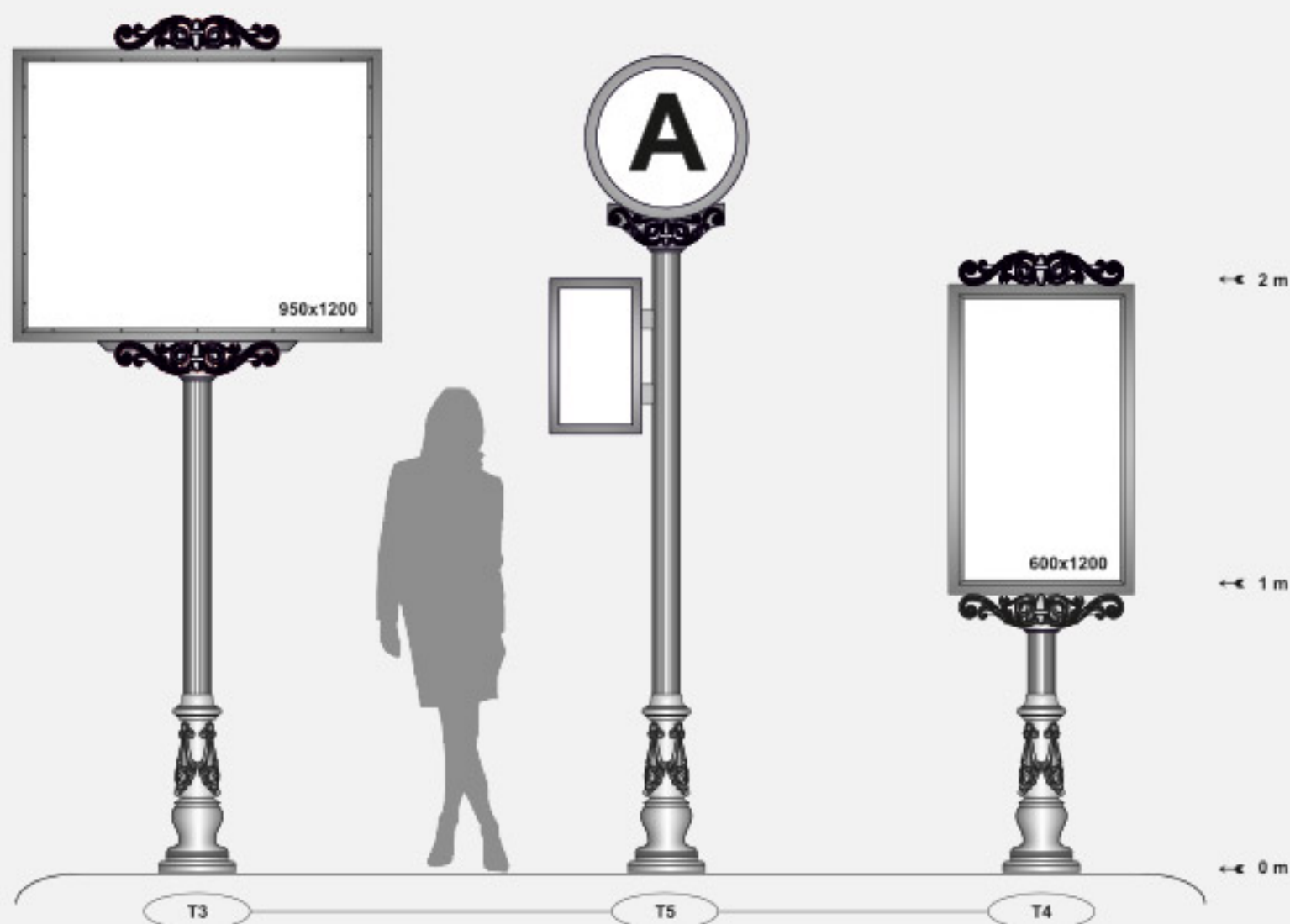
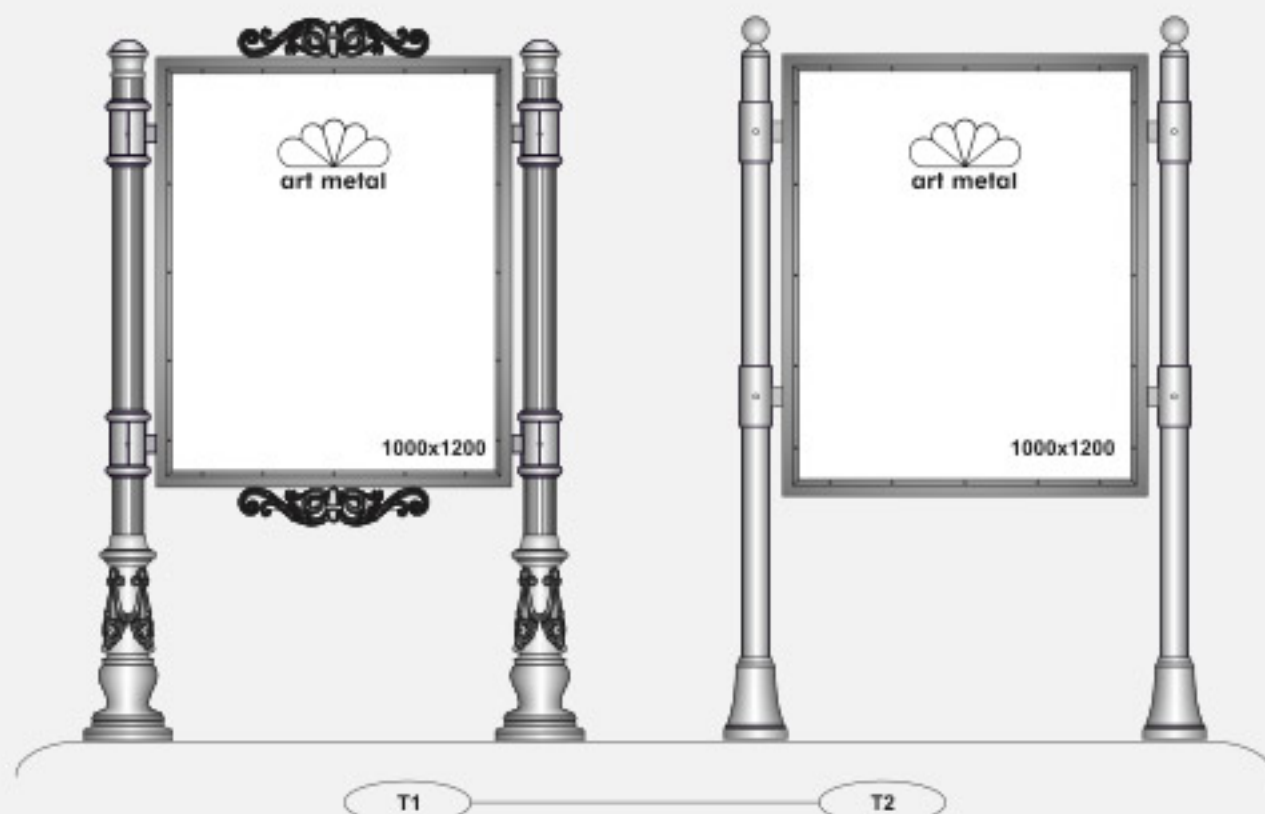
0 m →

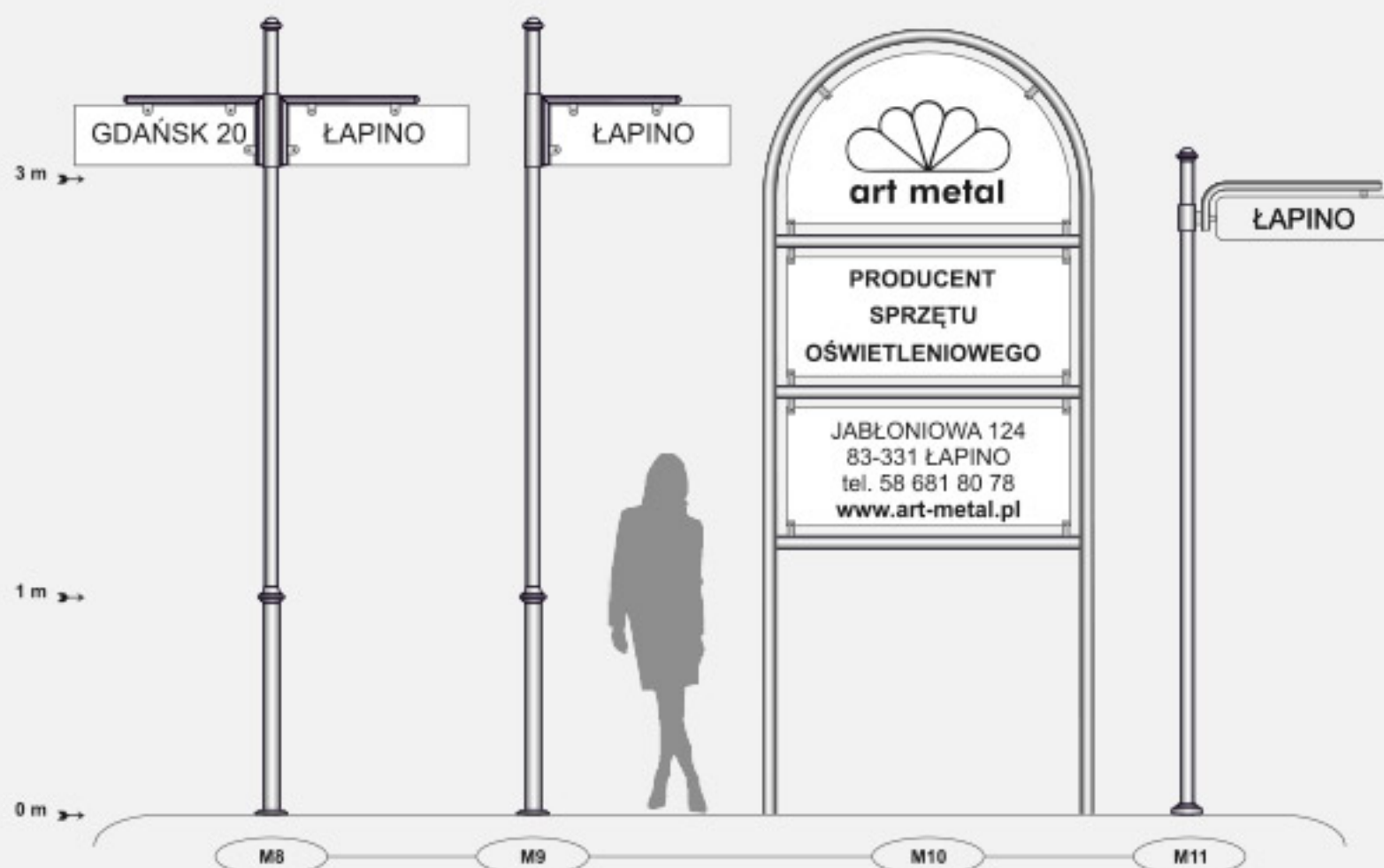
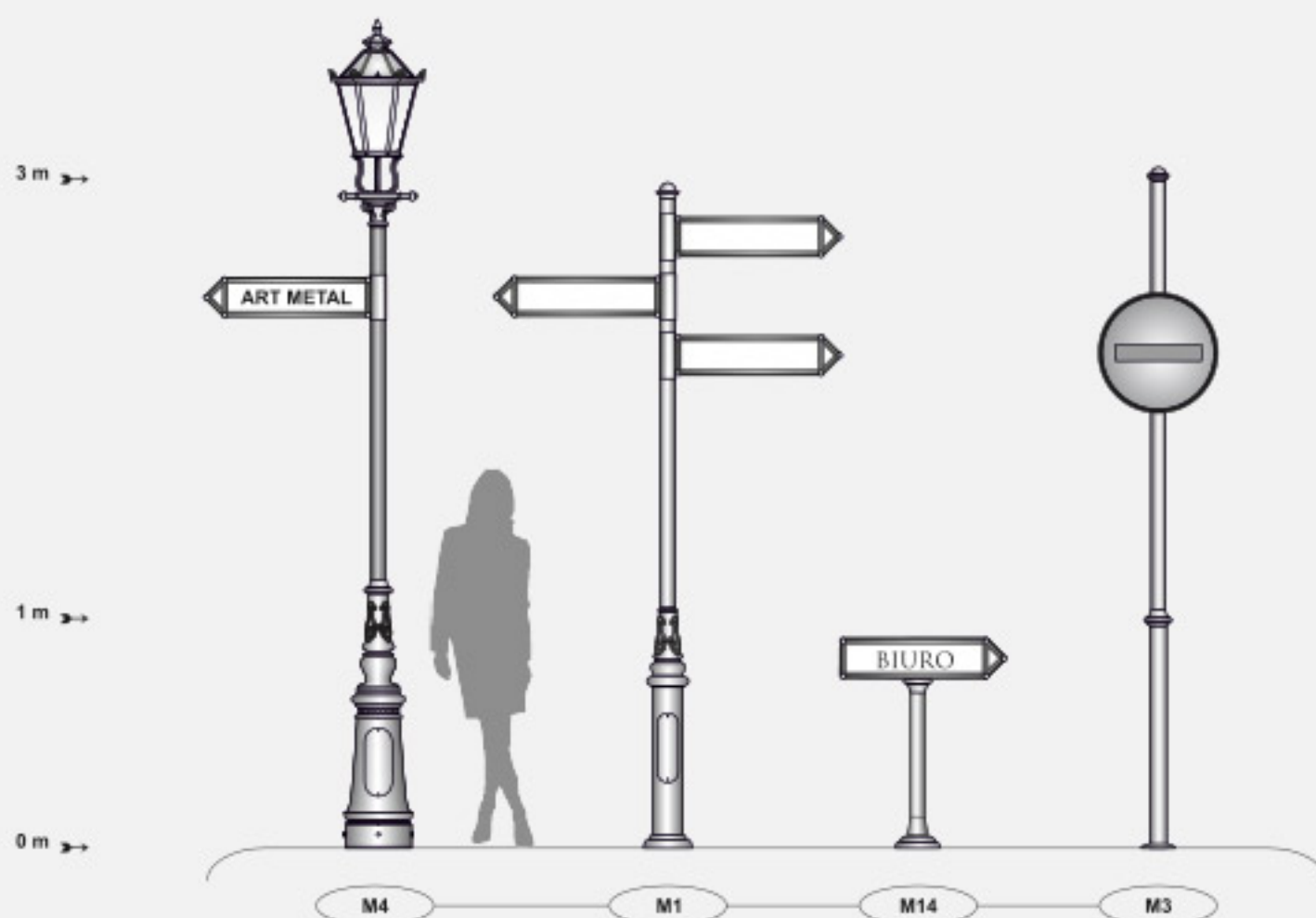
← 0 m

H3

H1





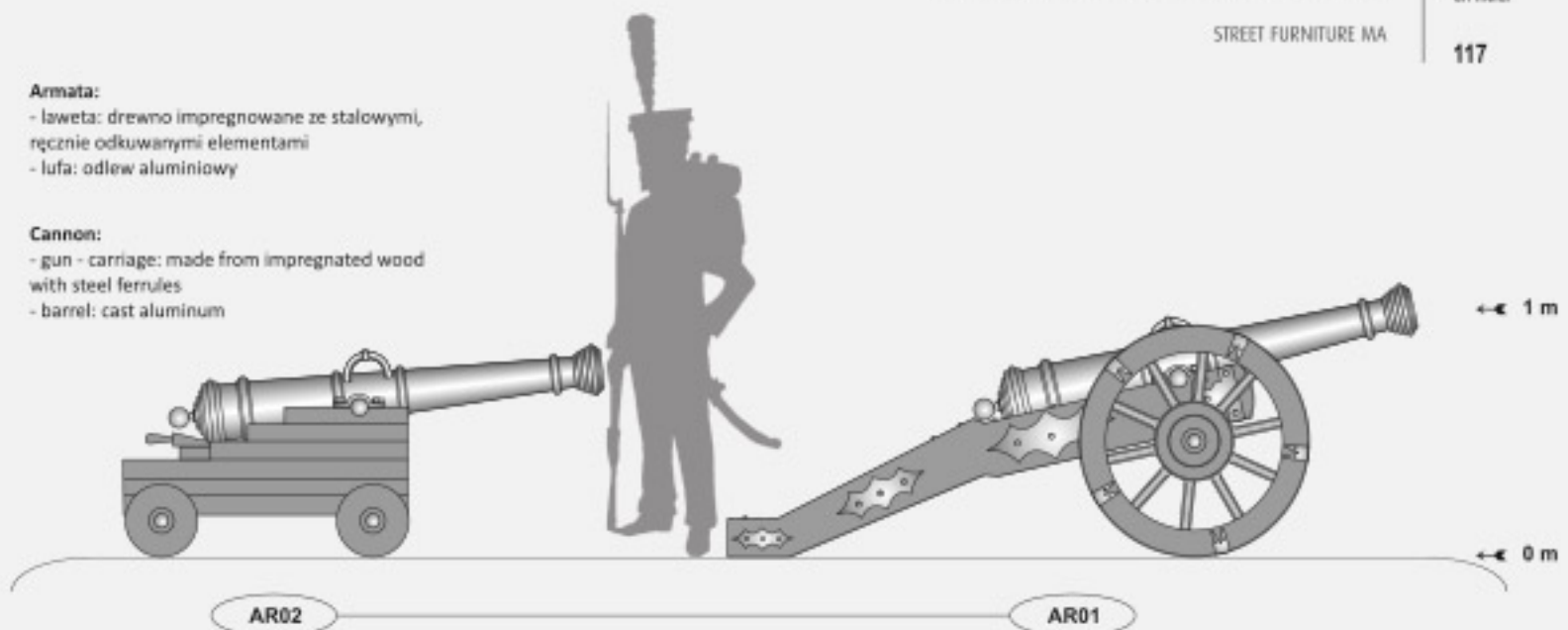
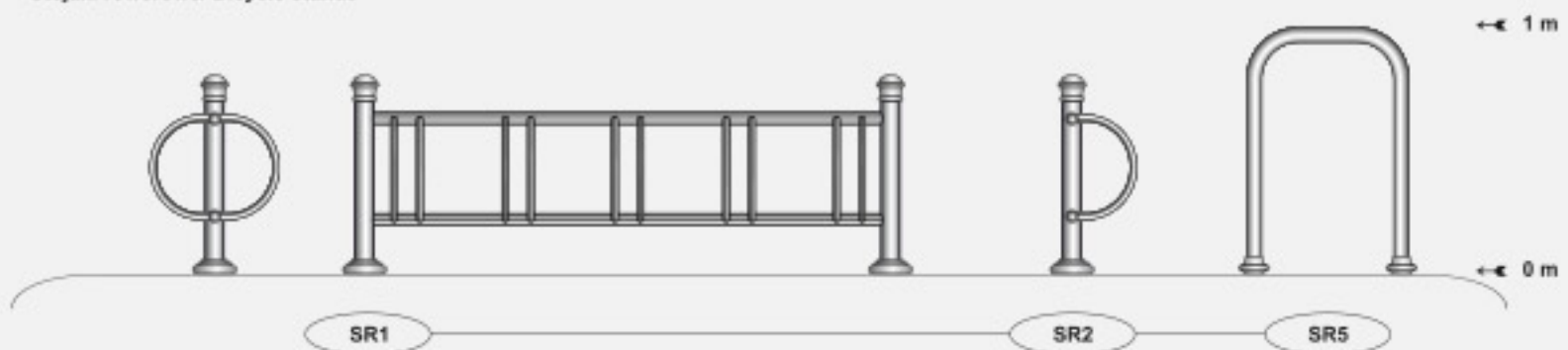
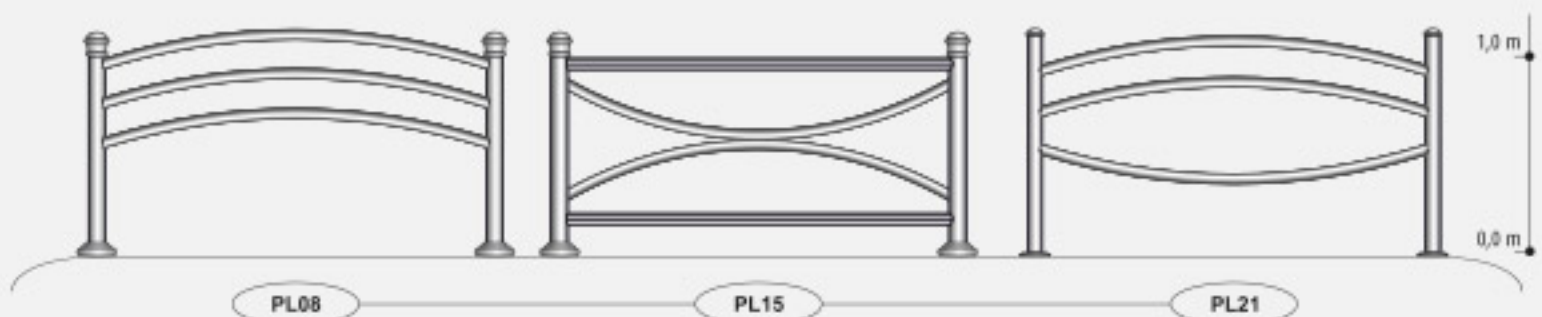
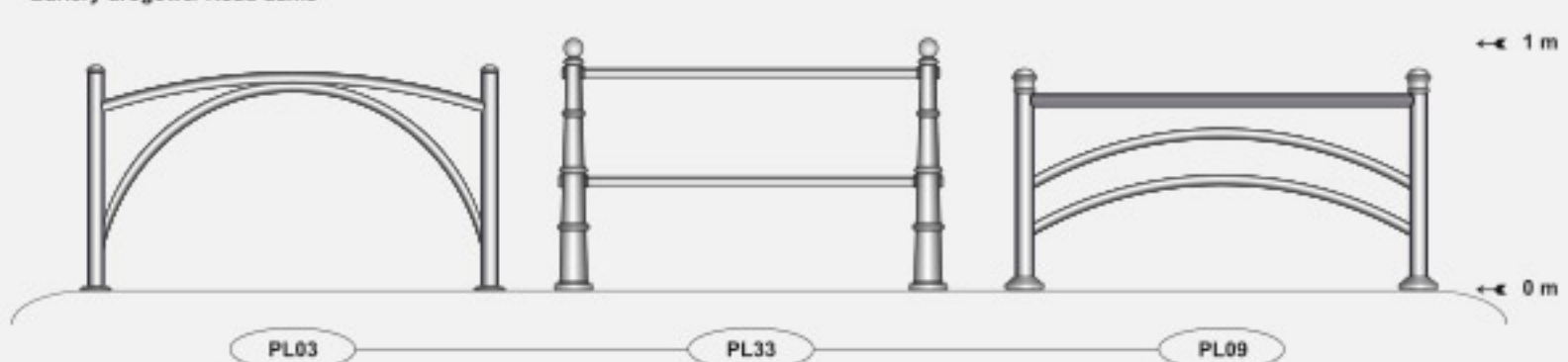


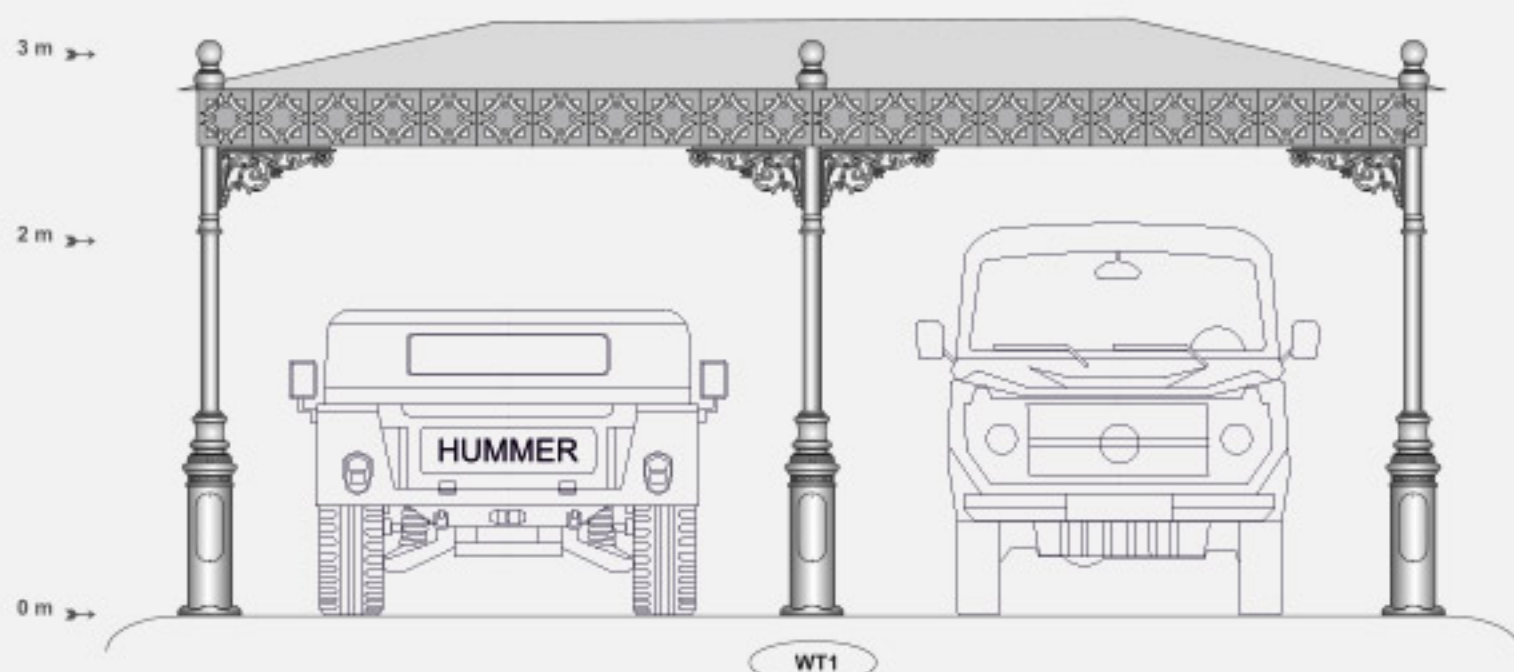
Armata:

- laweta: drewno impregnowane ze stalowymi, ręcznie odkuwanymi elementami
- lufa: odlew aluminiowy

Cannon:

- gun - carriage: made from impregnated wood with steel ferrules
- barrel: cast aluminum

**Stojaki rowerowe/ Bicycle stands****Bariery drogowe/ Road dams**

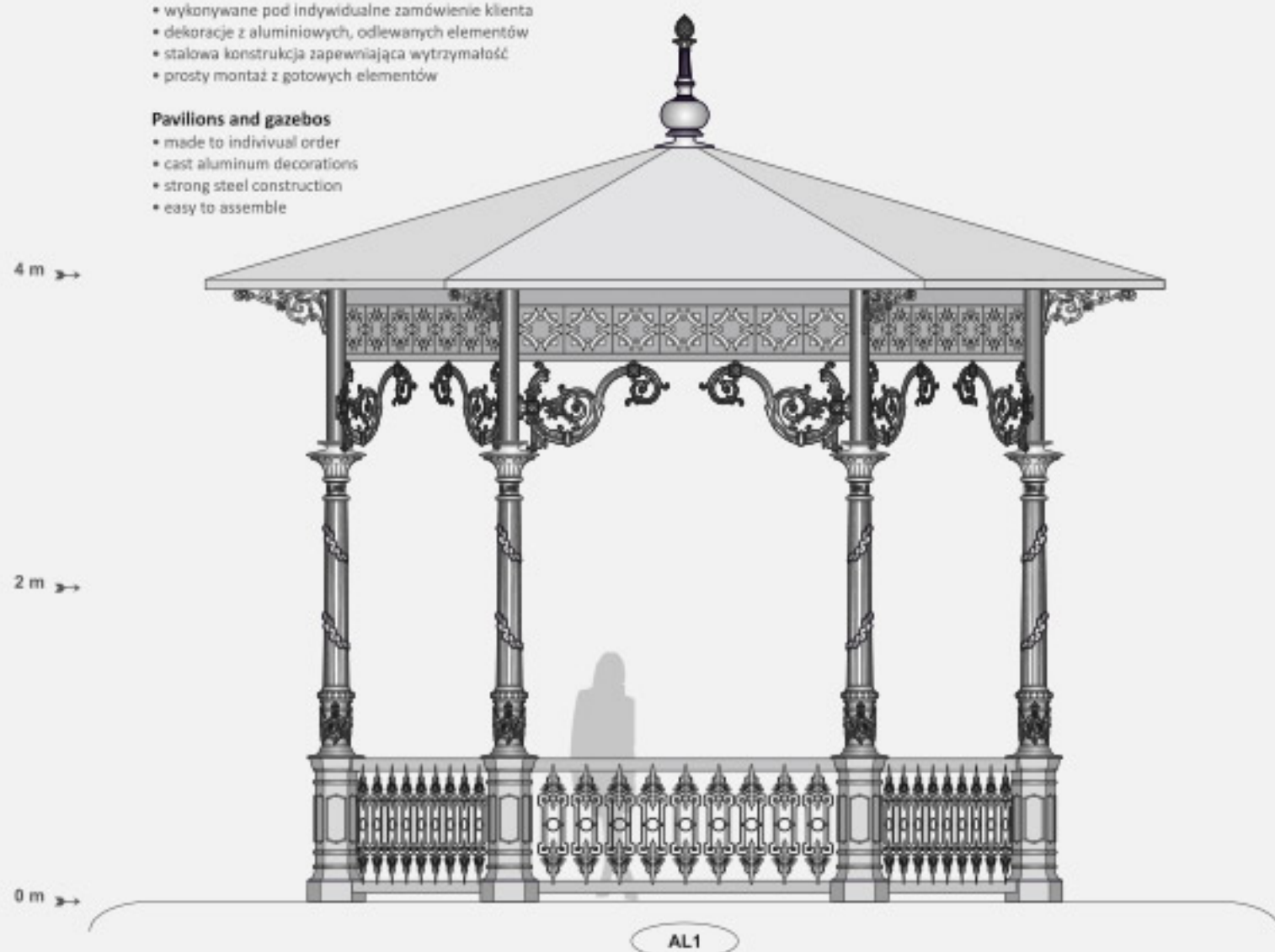


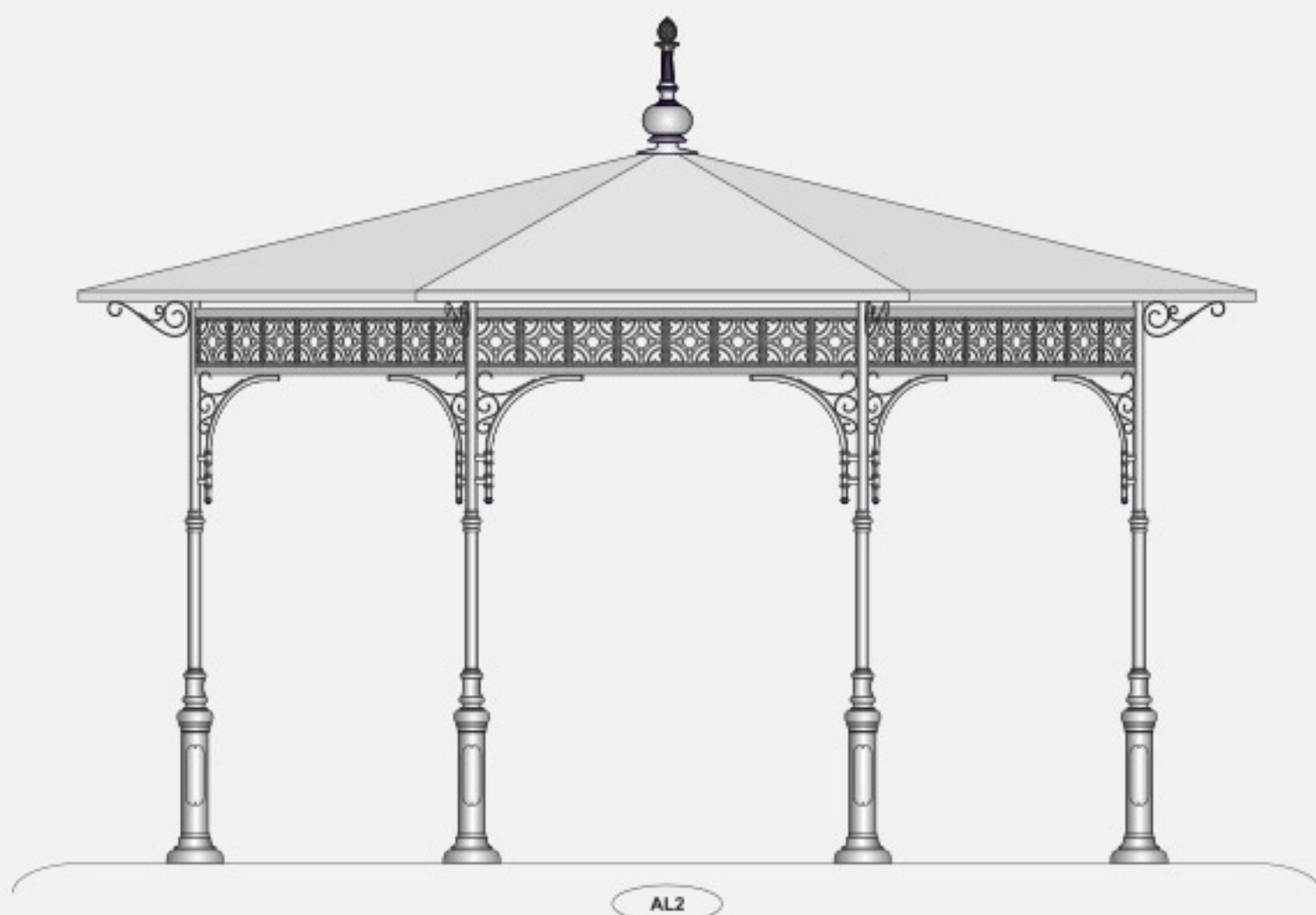
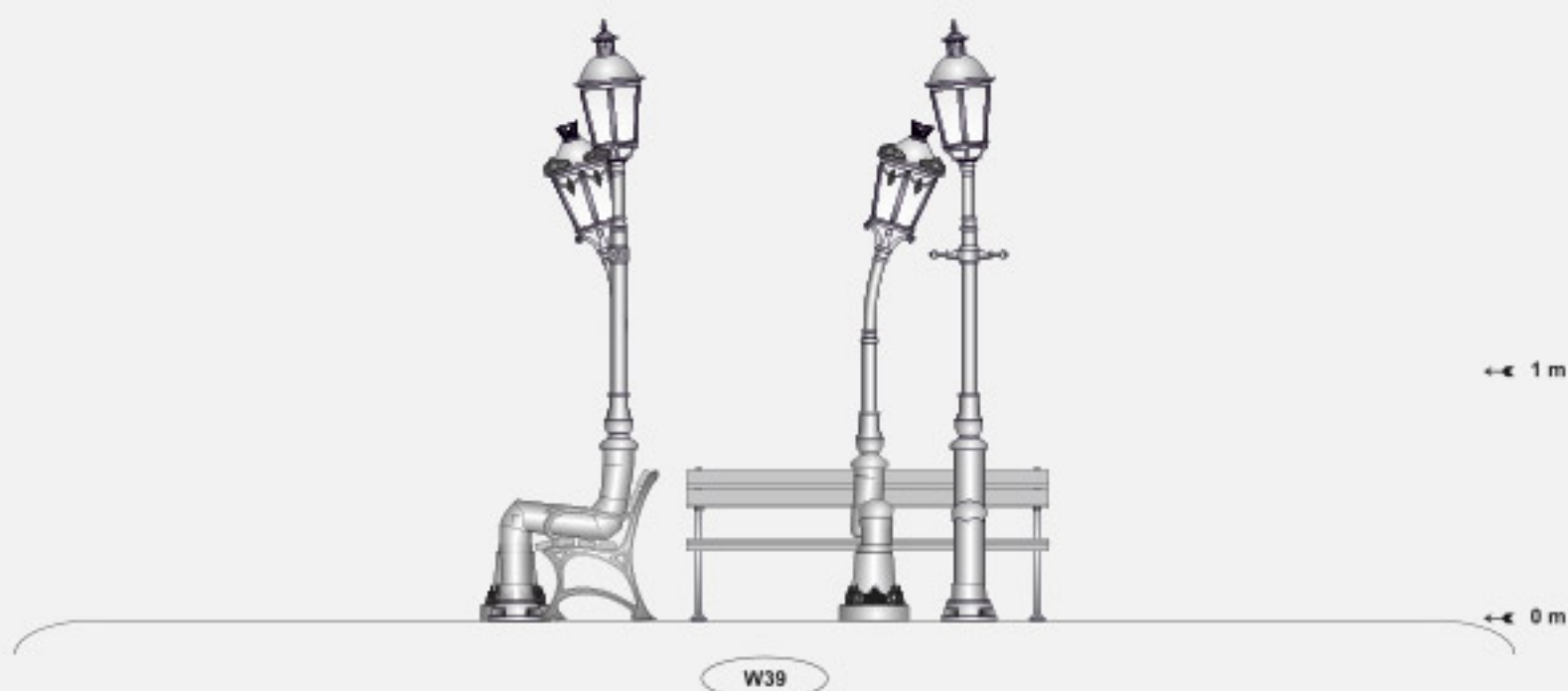
Pawilony ogrodowe i wiaty samochodowe

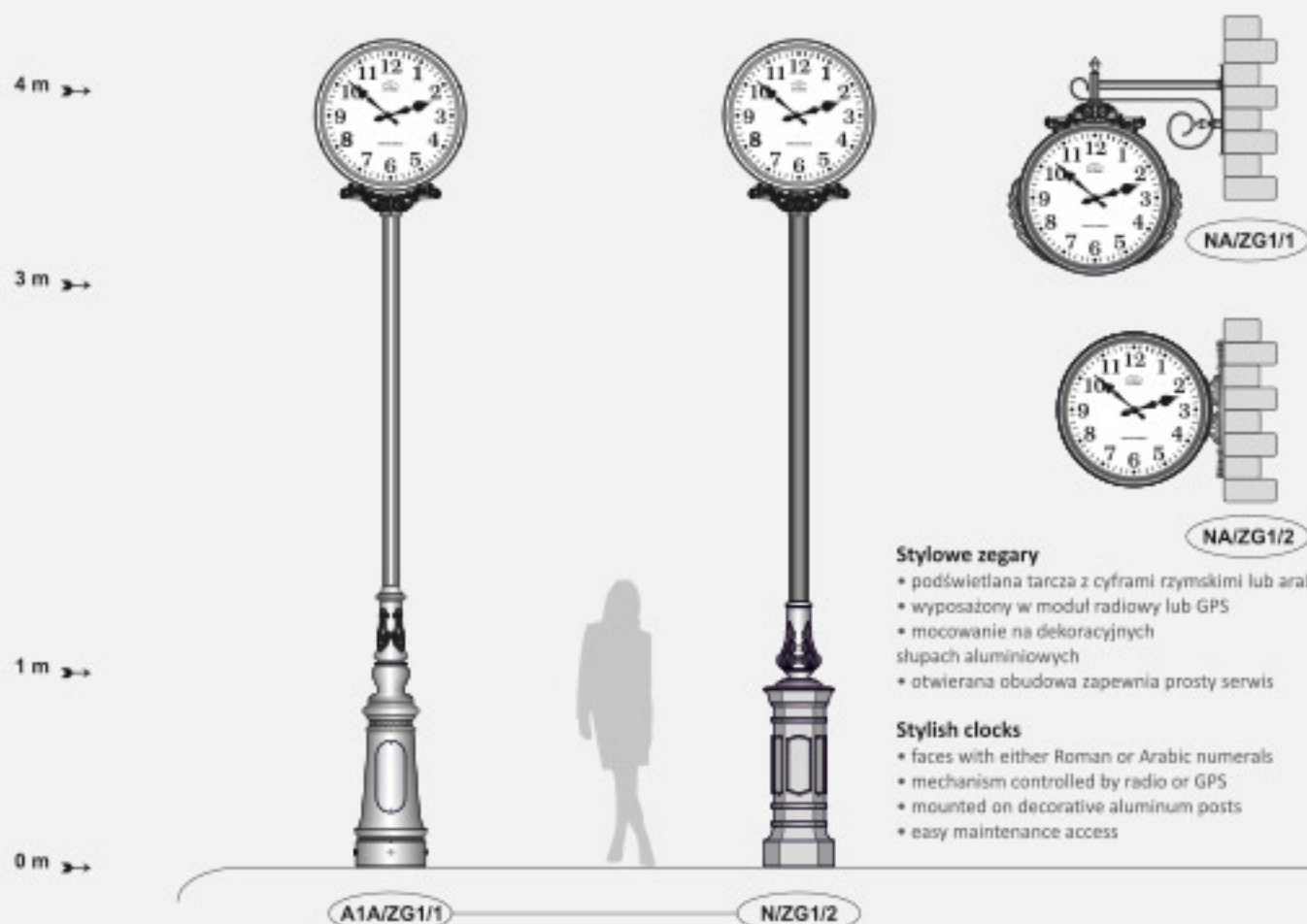
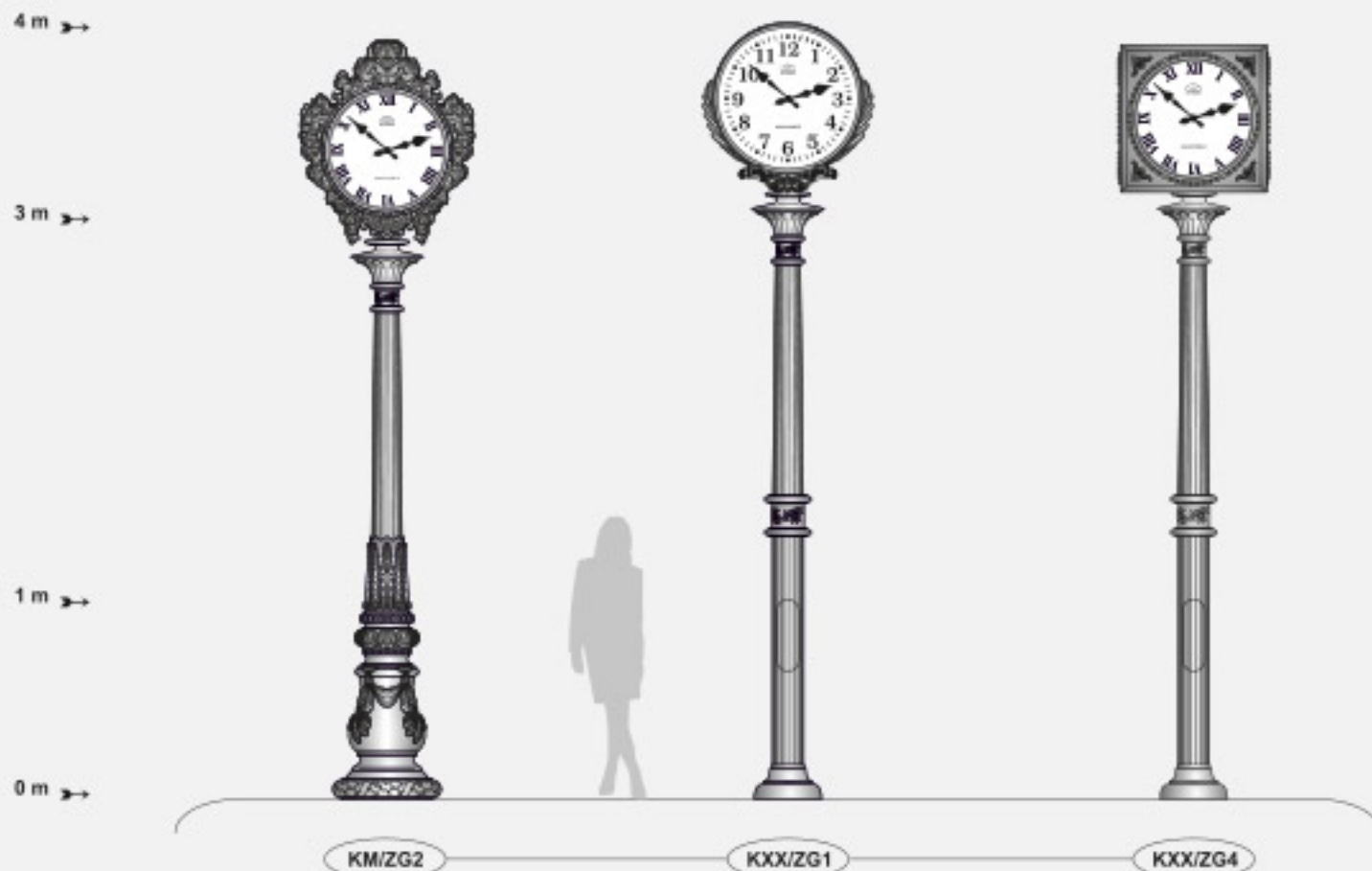
- wykonywane pod indywidualne zamówienie klienta
- dekoracje z aluminiowych, odlewanych elementów
- stalowa konstrukcja zapewniająca wytrzymałość
- prosty montaż z gotowych elementów

Pavilions and gazebos

- made to individual order
- cast aluminum decorations
- strong steel construction
- easy to assemble







Stylowe zegary

- podświetlana tarcza z cyframi rzymskimi lub arabskimi
- wyposażony w moduł radiowy lub GPS
- mocowanie na dekoracyjnych słupach aluminiowych
- otwierana obudowa zapewnia prosty serwis

Stylish clocks

- faces with either Roman or Arabic numerals
- mechanism controlled by radio or GPS
- mounted on decorative aluminum posts
- easy maintenance access

A black and white photograph of several ornate street lamps. The lamps have curved, decorative poles and multiple light fixtures. The background is a cloudy sky, and the silhouettes of bare trees are visible on the left side. The text 'OPISY TECHNICZNE' is overlaid in the lower right quadrant.

OPISY TECHNICZNE

OPISY TECHNICZNE
TECHNICAL DATA

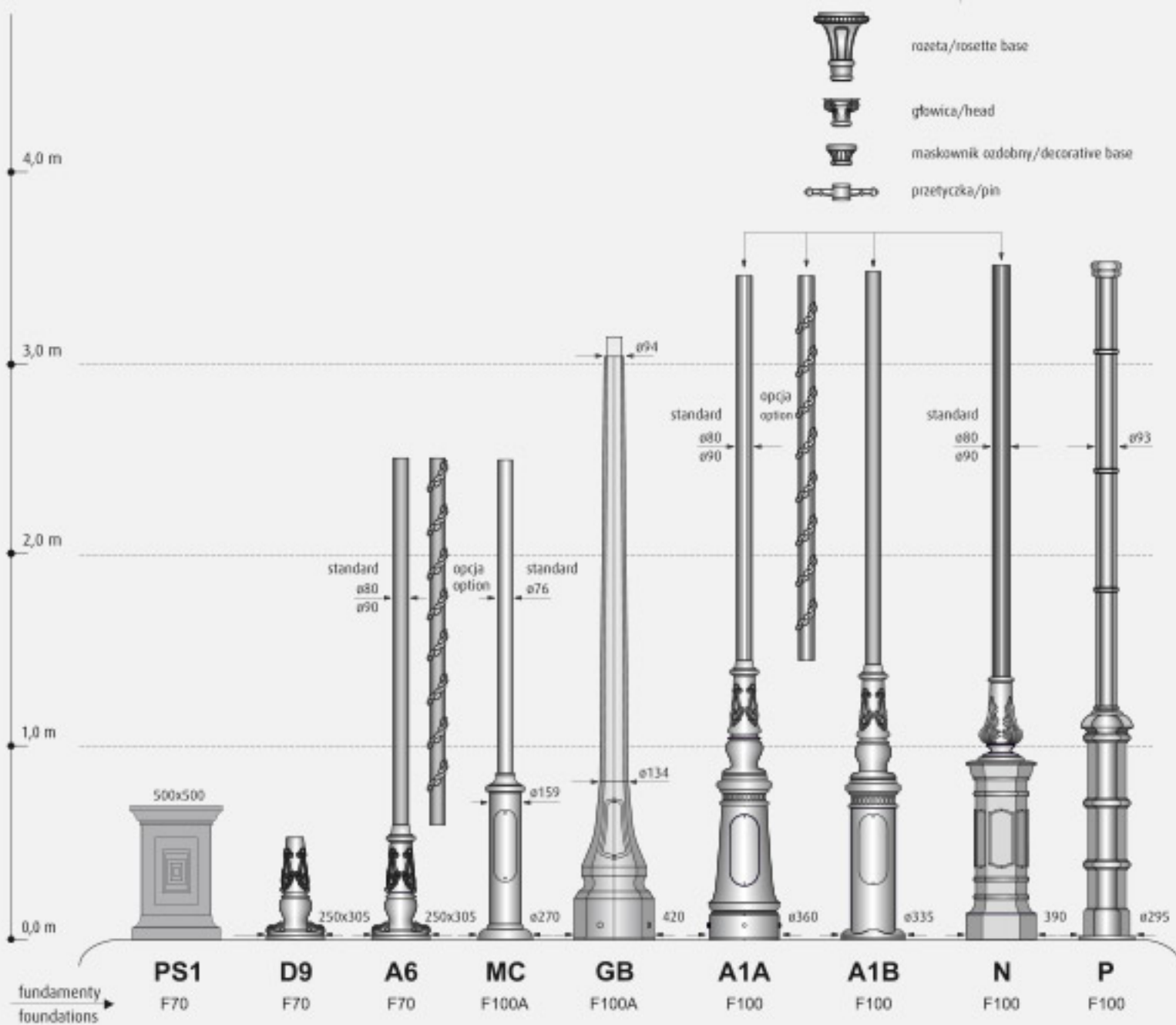


X

	F150	F130	F100	F100A	F70	X fundamenty
wymiar/dimension:	1500x350x350	1300x300x300	1000x300x300	1000x250x250	700x280x300	wykonywane na budowie
mocowanie/fixing:	220x220 4xM24	190x190 4xM20	190x190 4xM20	150x150 4xM16	180x235 4xM16	X foundations foundation work done on the building site



przetwórcza/pin

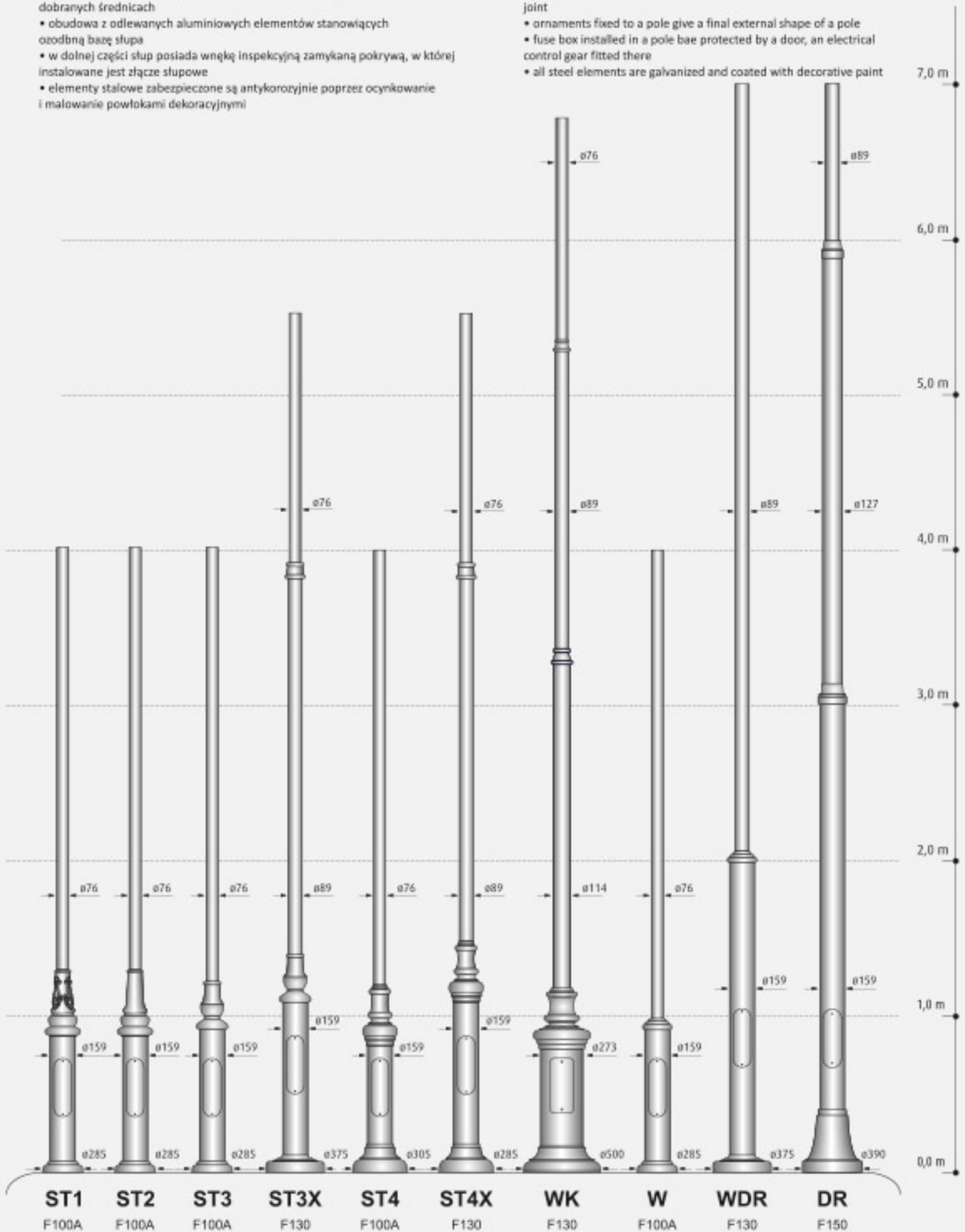


Konstrukcja słupa:

- teleskopowo łączone rury stalowe lub aluminiowe o odpowiednio dobranych średnicach
- obudowa z odlewanych aluminiowych elementów stanowiących ozdobną bazę słupa
- w dolnej części słup posiada wnękę inspekcyjną zamykaną pokrywą, w której instalowane jest złącze słupowe
- elementy stalowe zabezpieczone są antykorozyjnie poprzez ocynkowanie i malowanie powłokami dekoracyjnymi

Pole construction:

- steel or aluminum pipes connected together with a telescopic joint
- ornaments fixed to a pole give a final external shape of a pole
- fuse box installed in a pole base protected by a door, an electrical control gear fitted there
- all steel elements are galvanized and coated with decorative paint



STANDARDOWE KOLORY I PATYNY



RAL 9005 (STANDARD)



RAL 7021 (STANDARD)



ART METAL 01



ART METAL 02



ART METAL 03



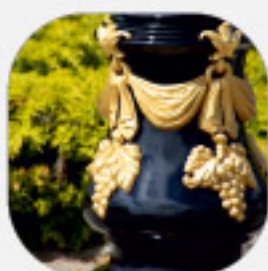
ART METAL 04



ART METAL 05



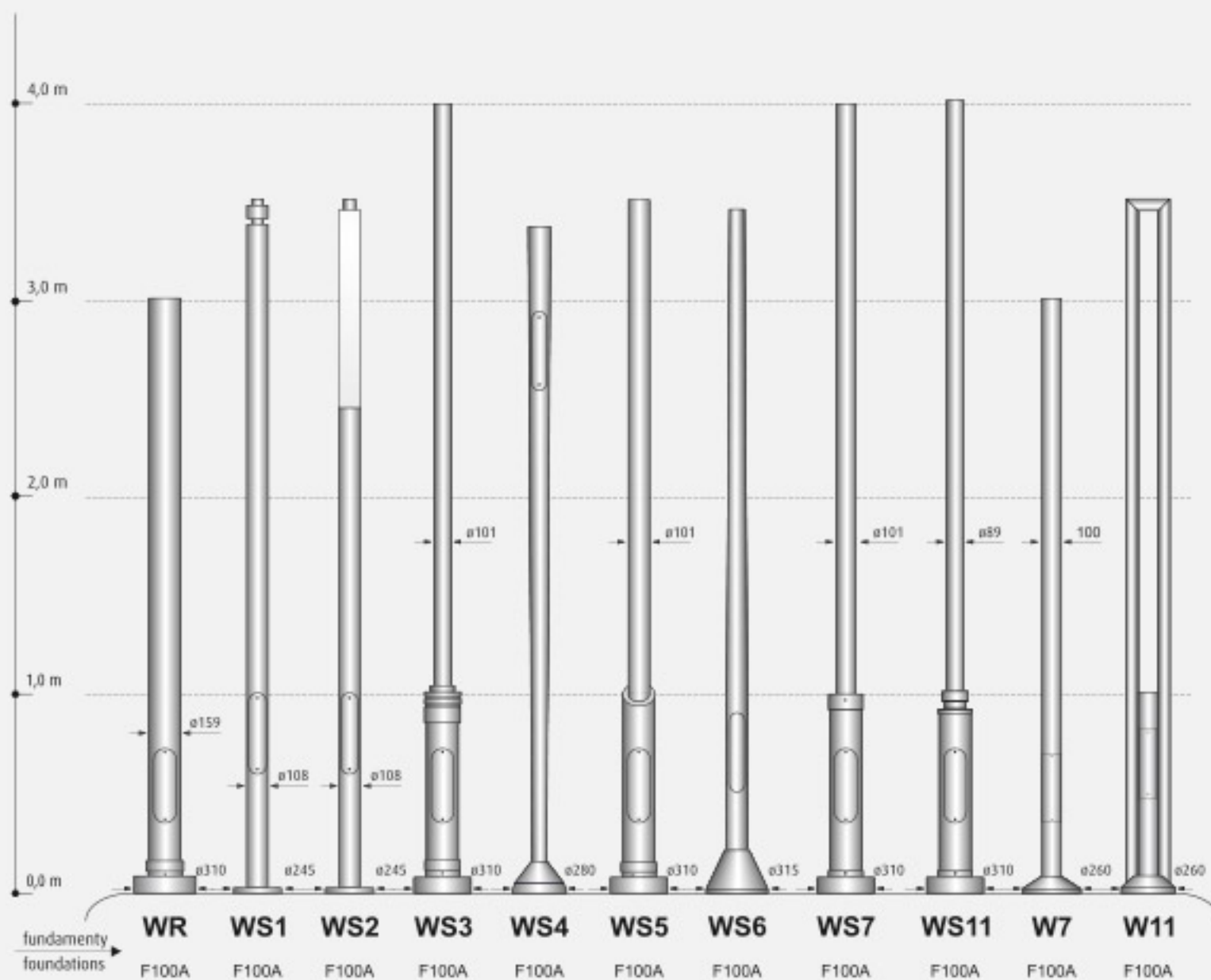
ART METAL 06

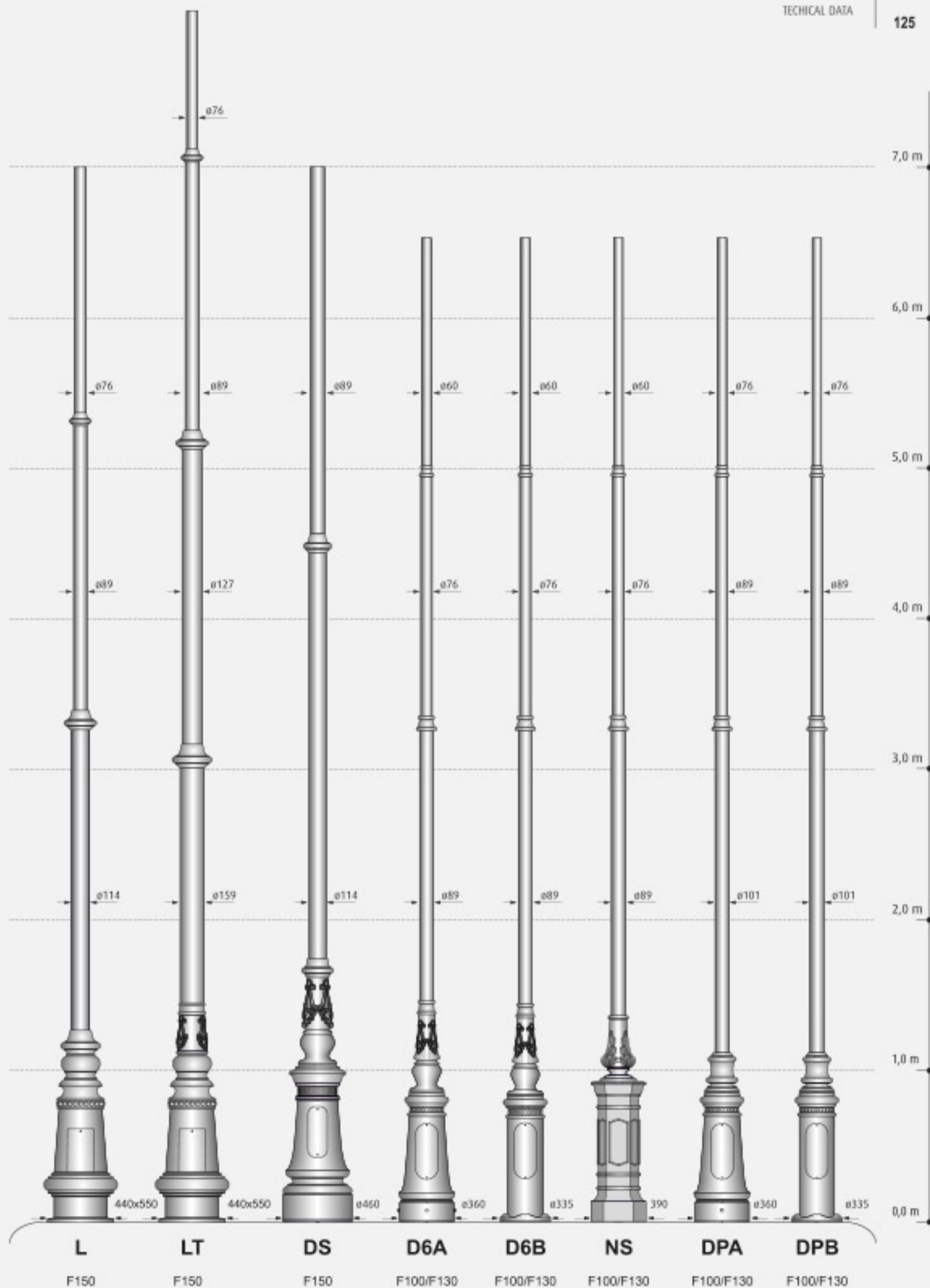


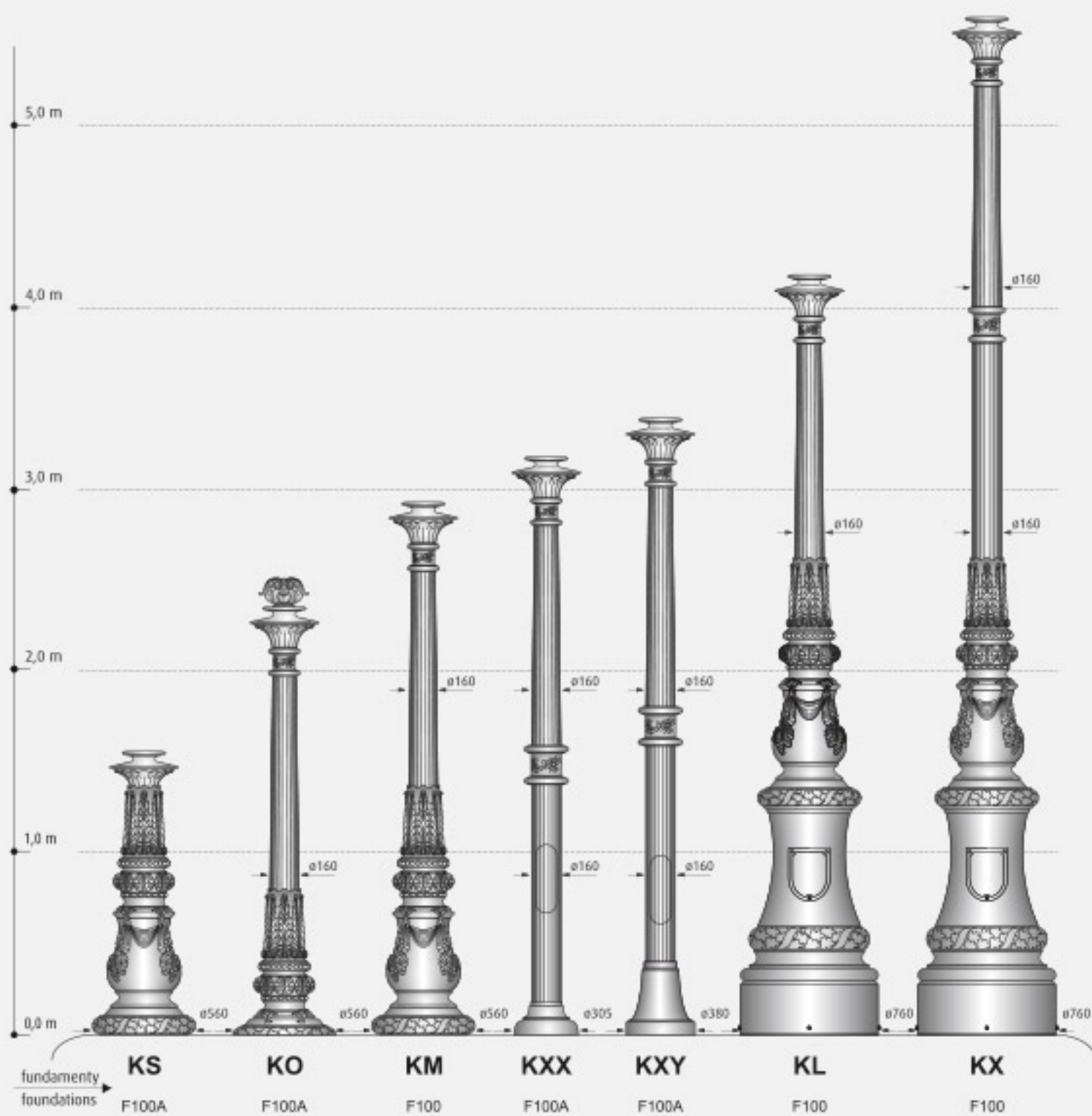
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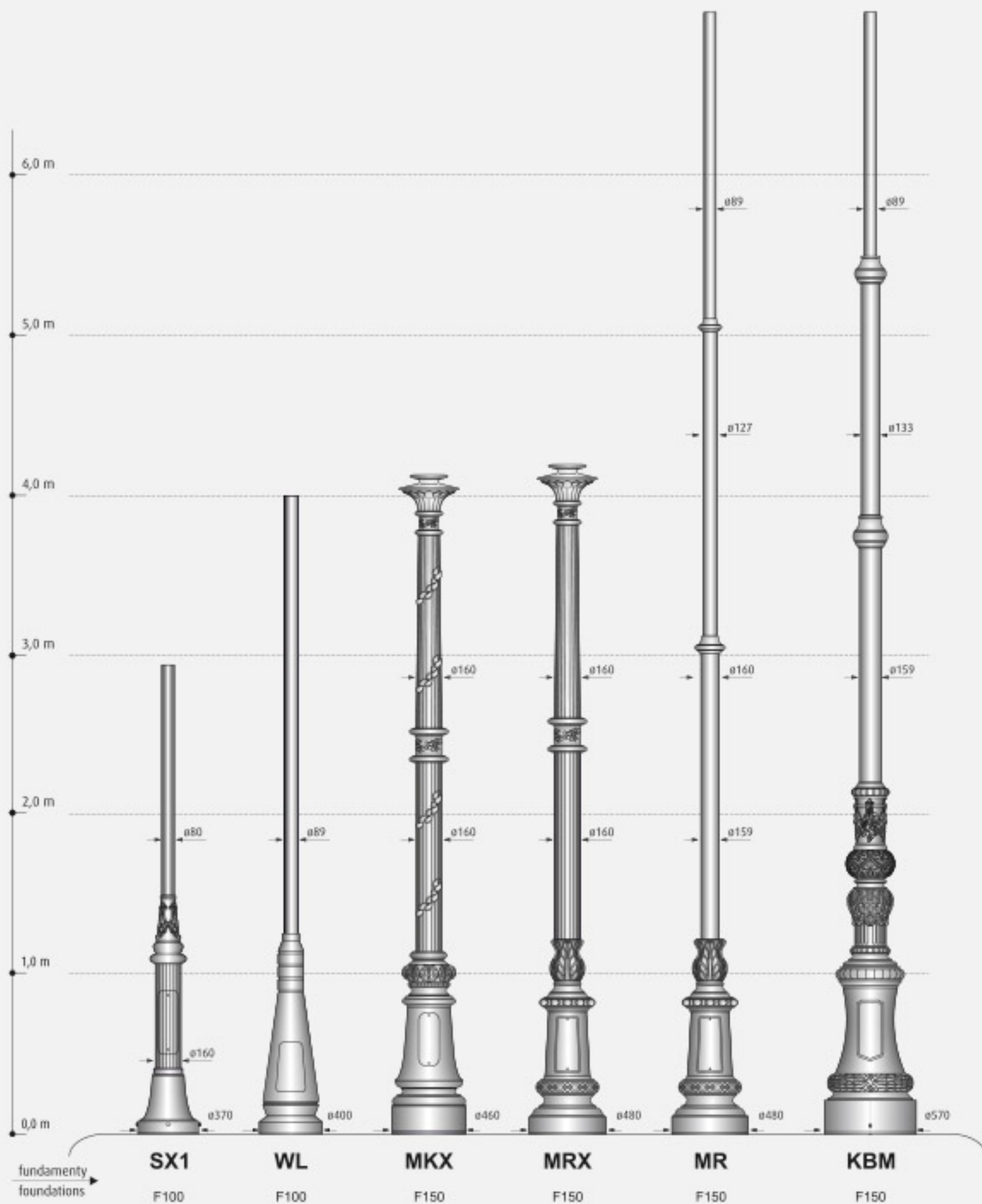


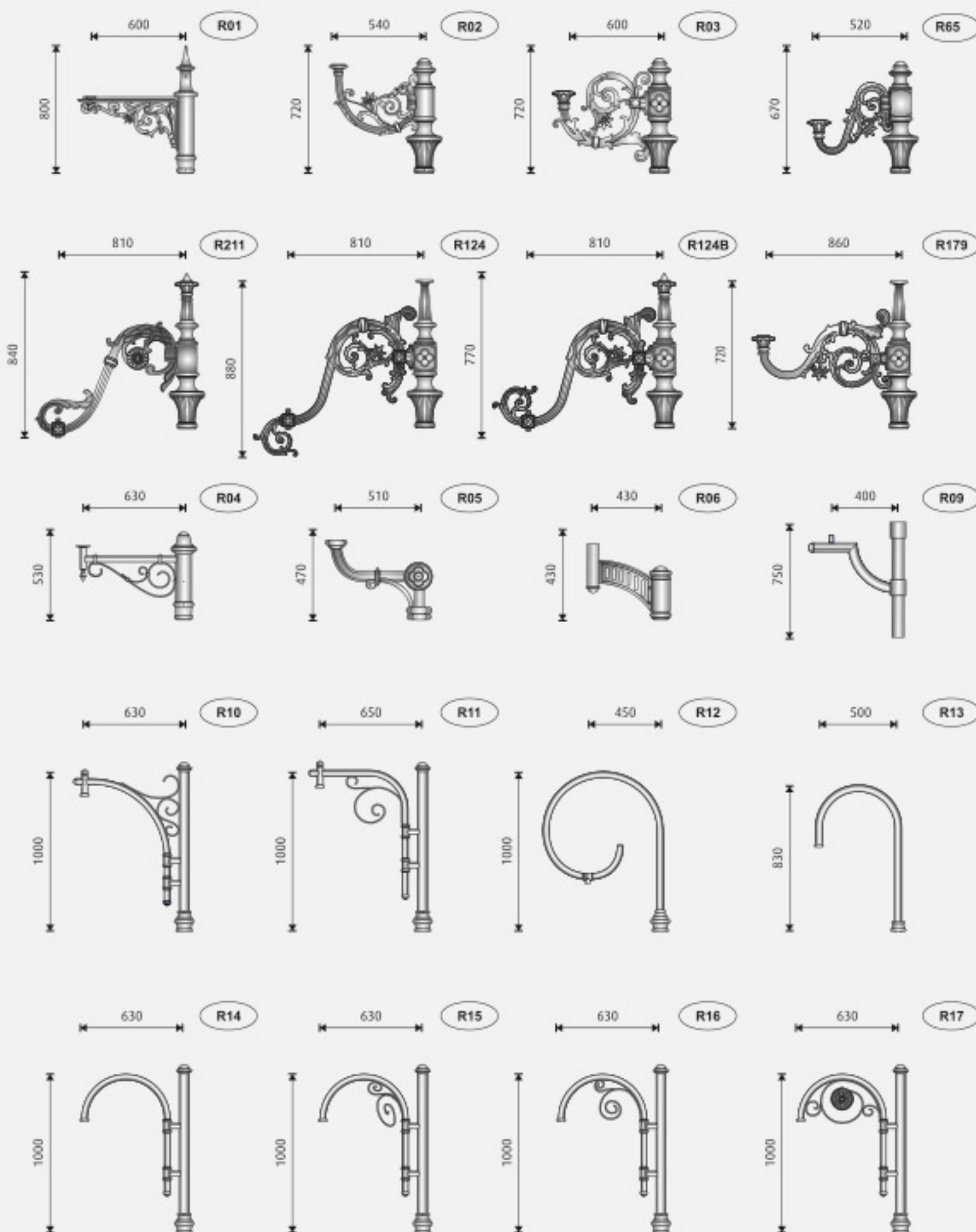
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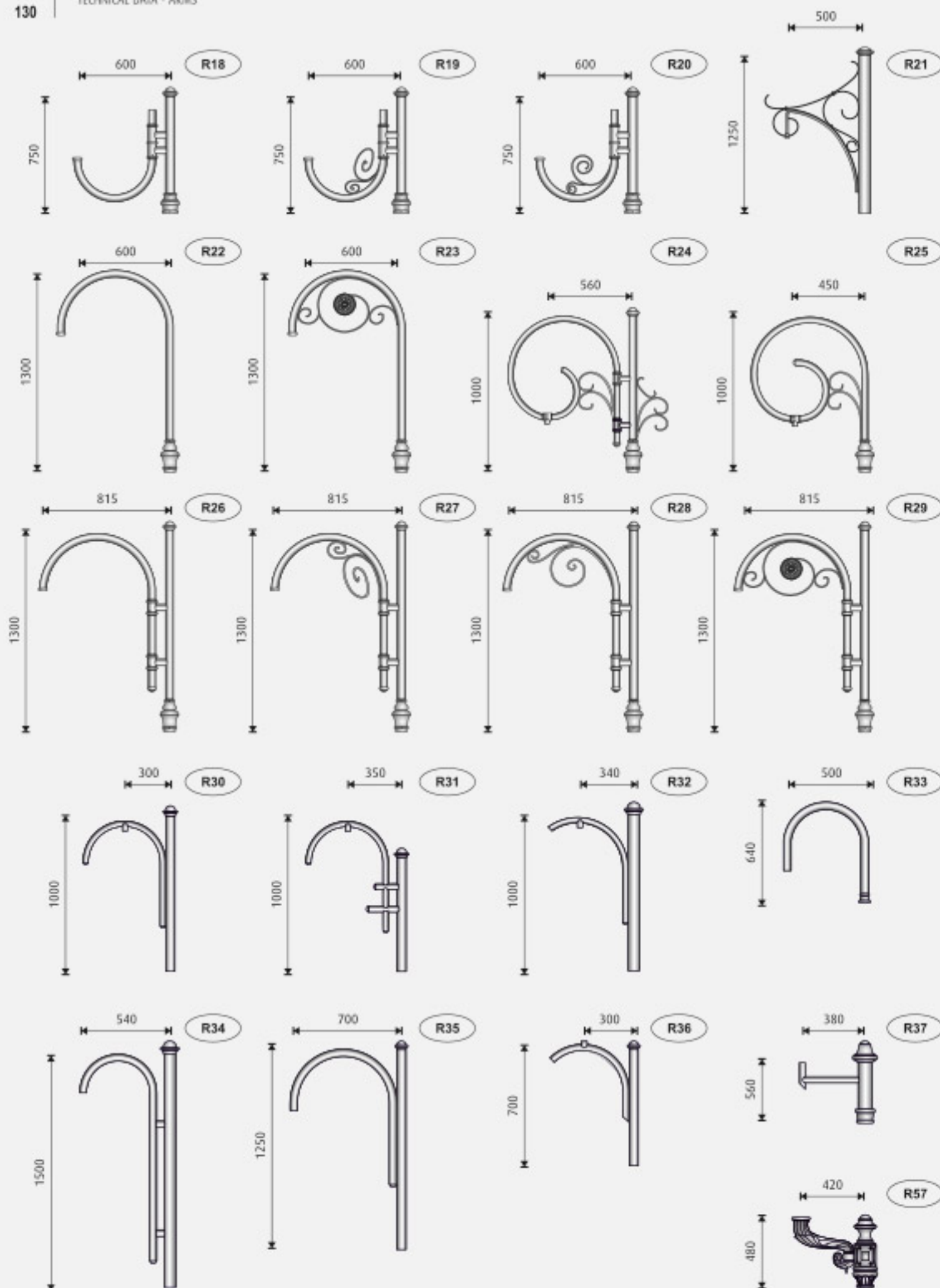


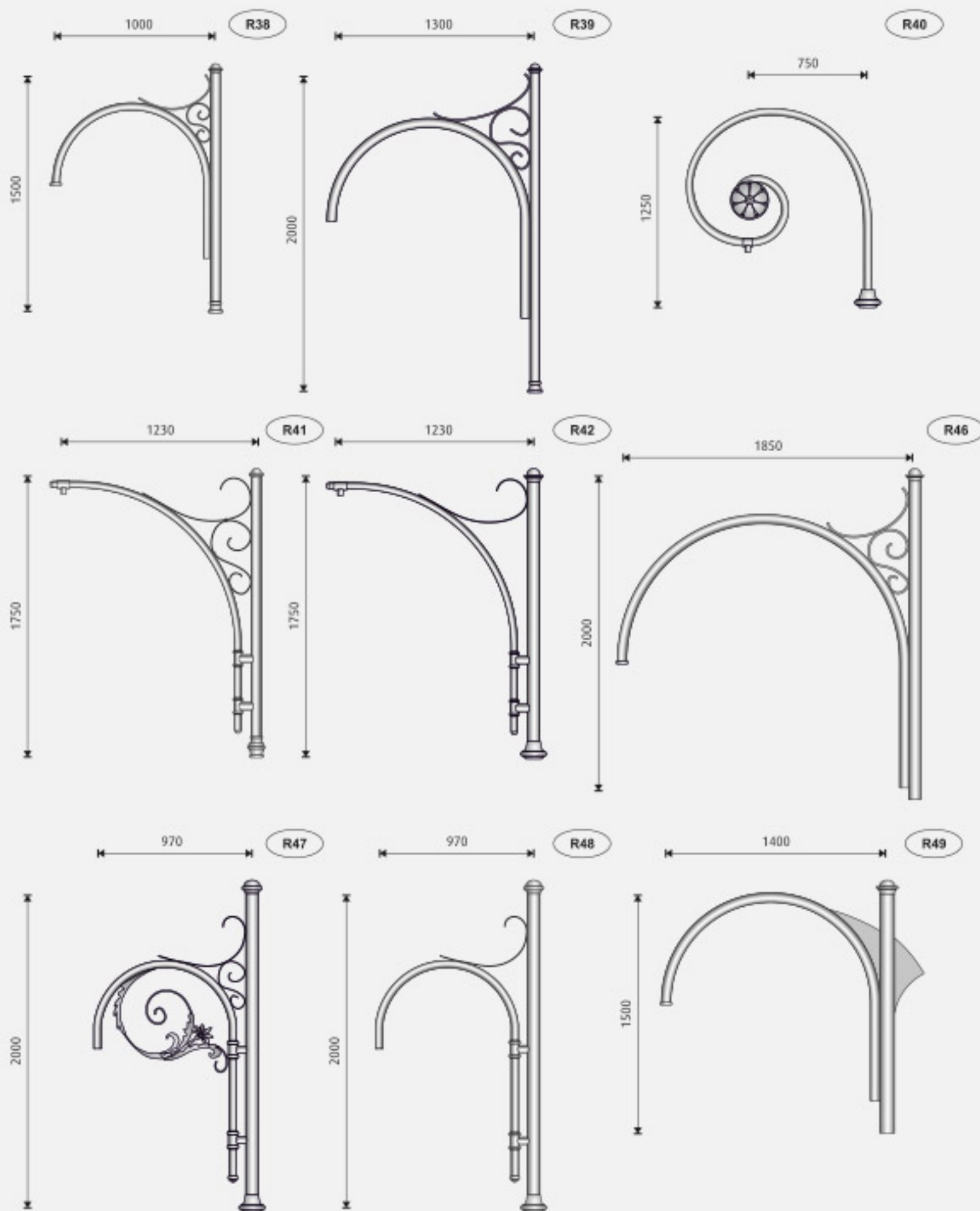


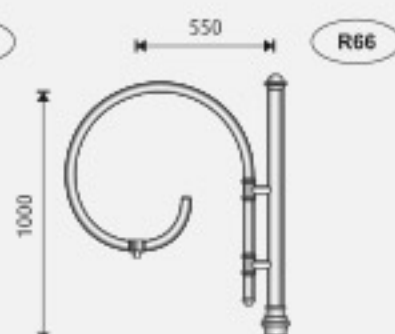
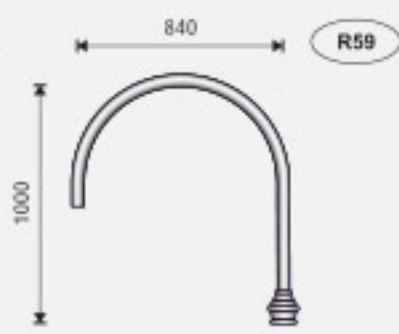
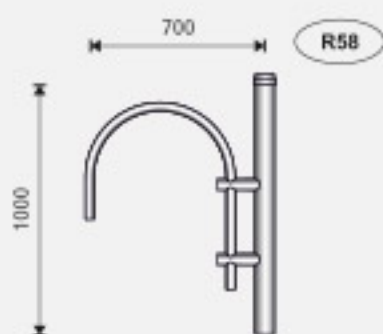
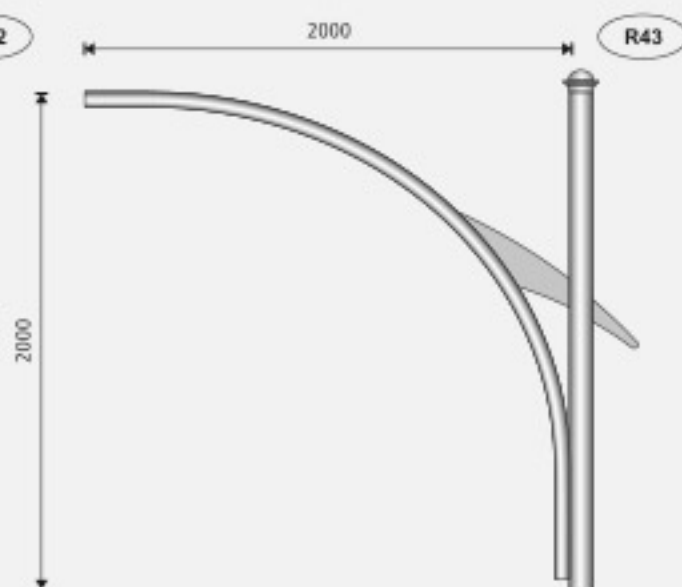
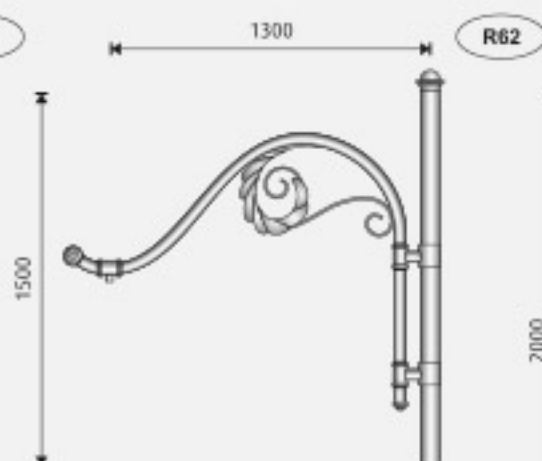
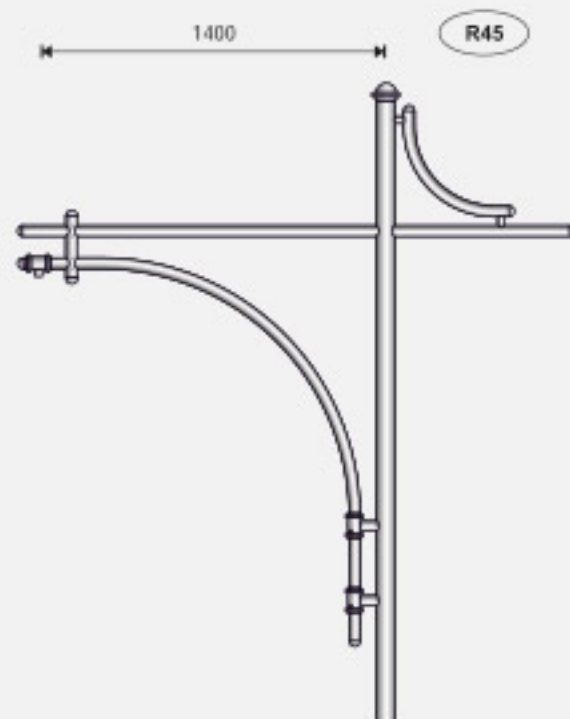
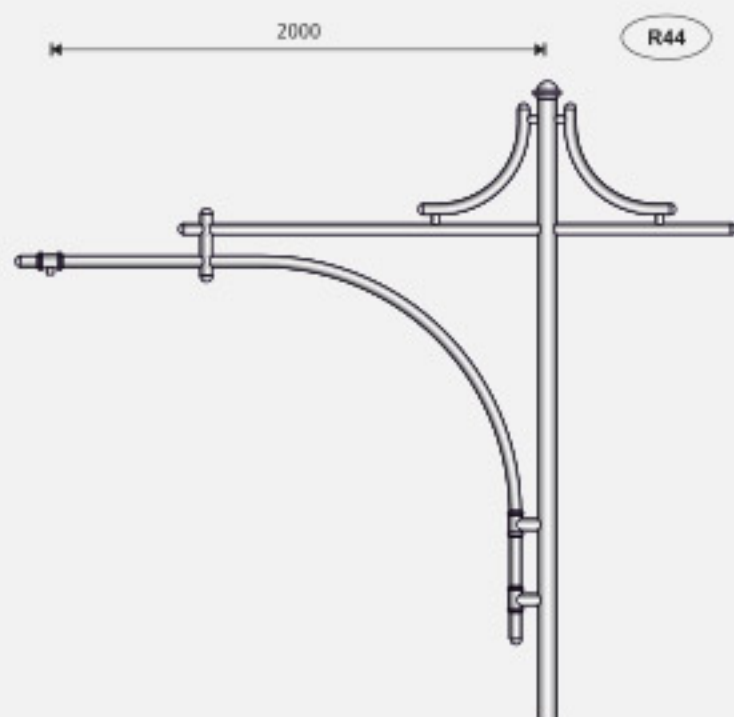


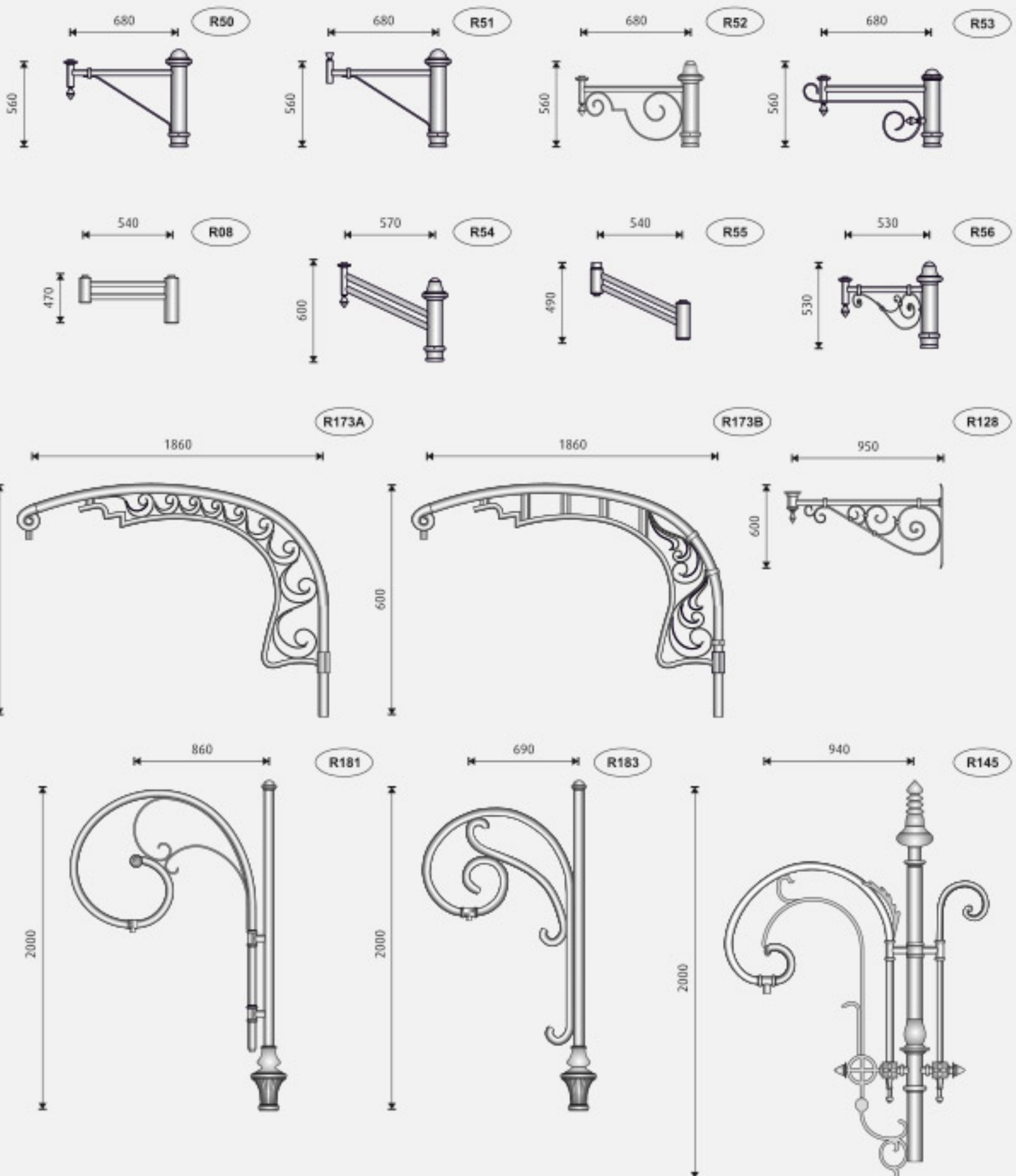


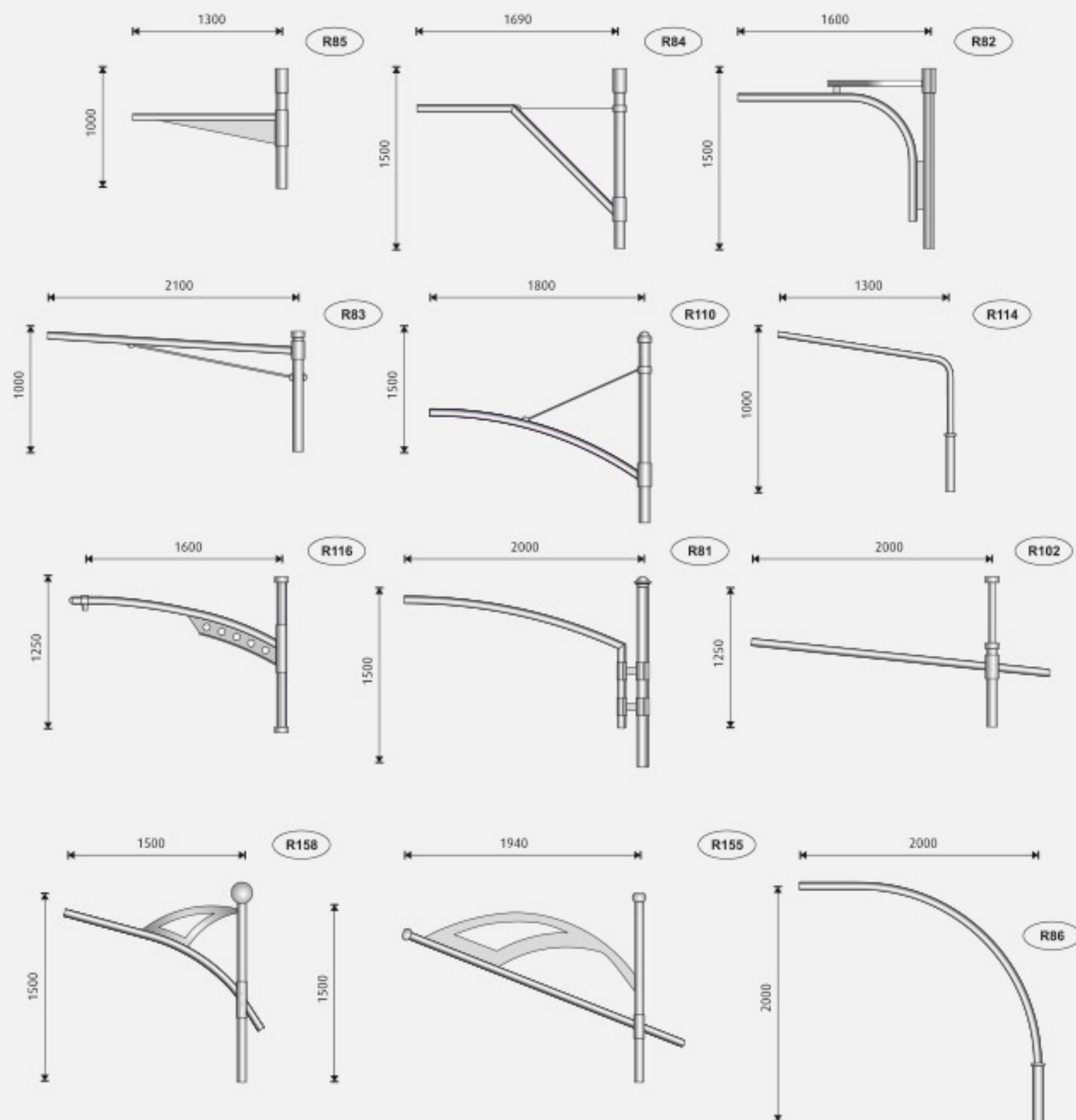


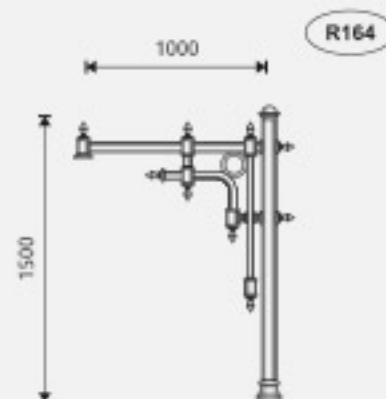
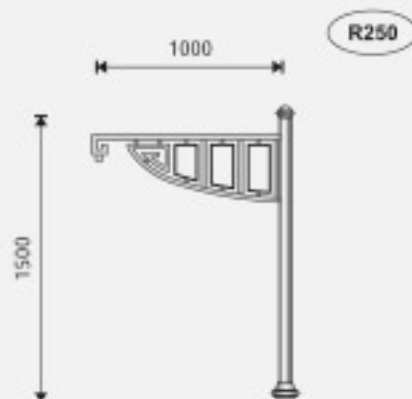
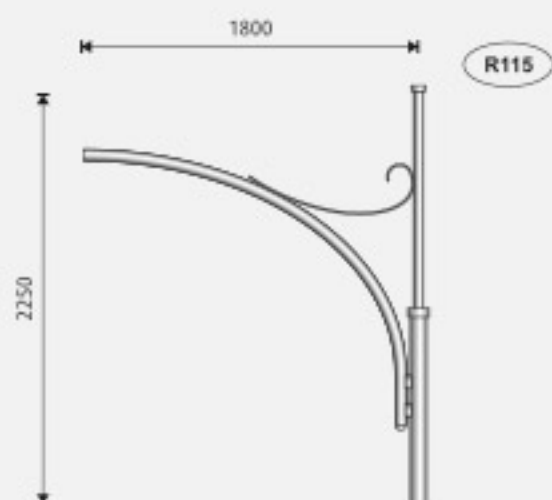
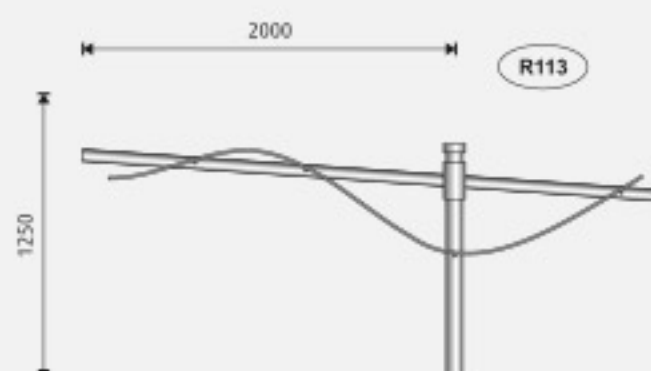
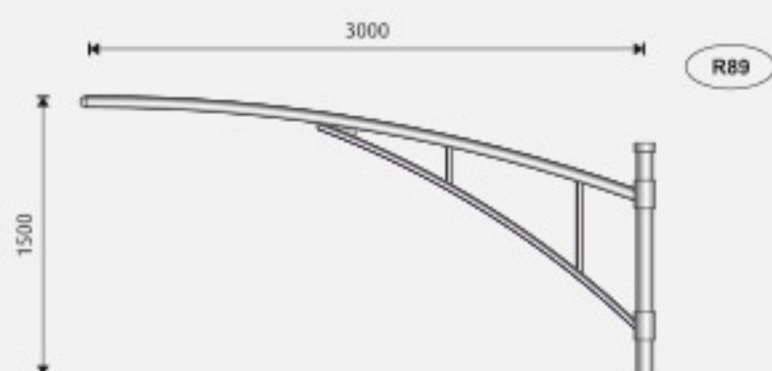
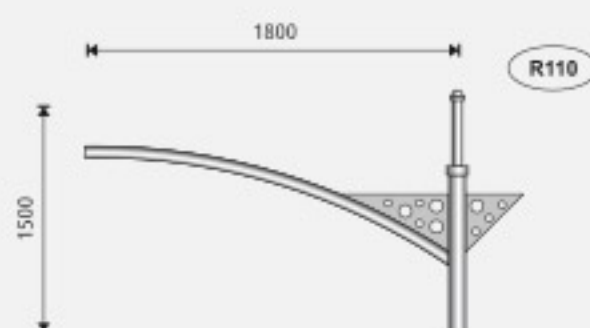
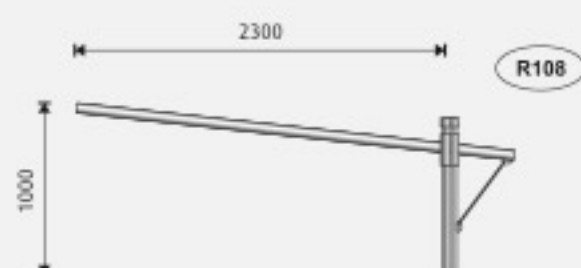
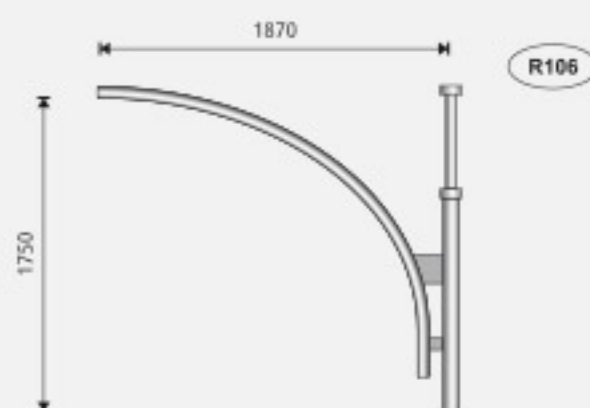
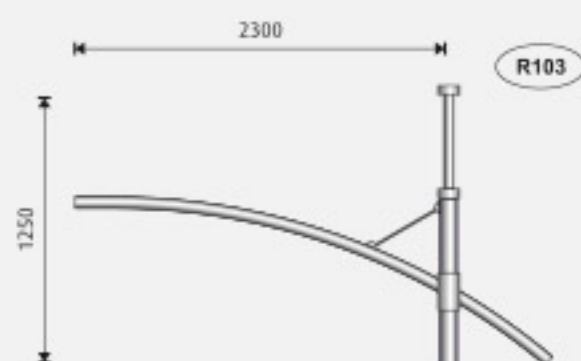


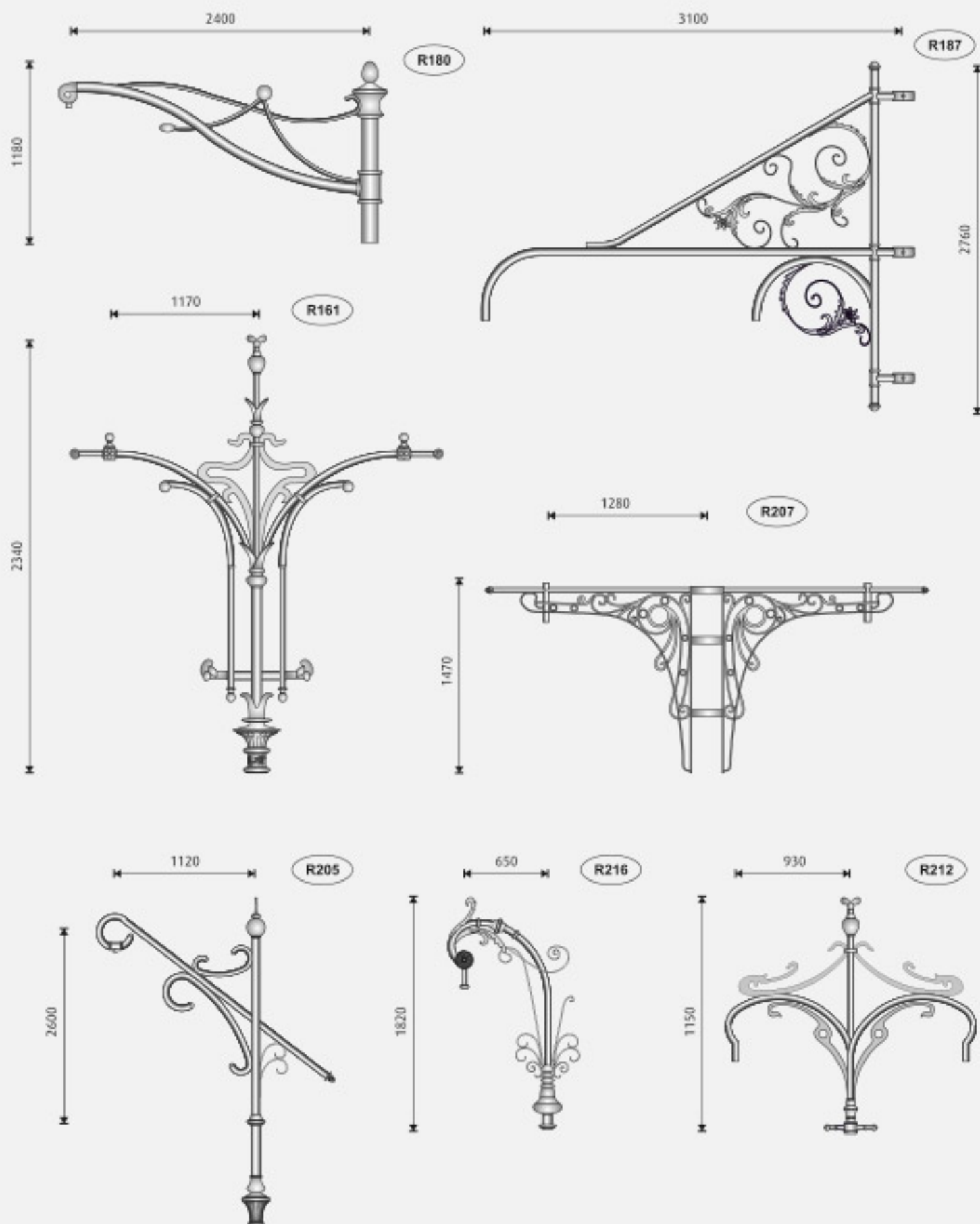




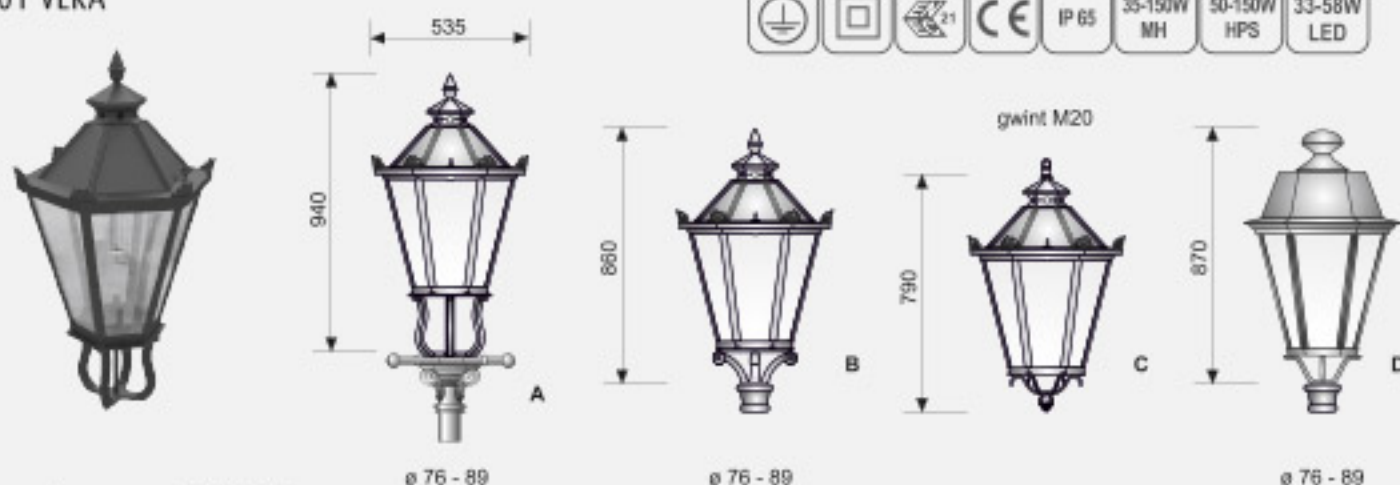




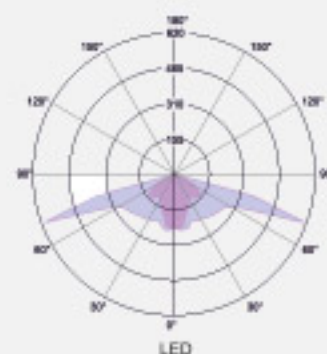
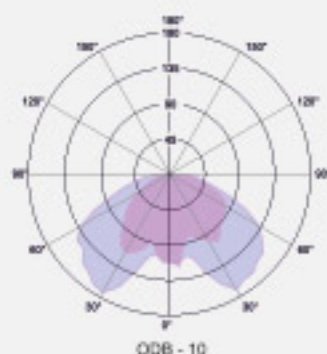




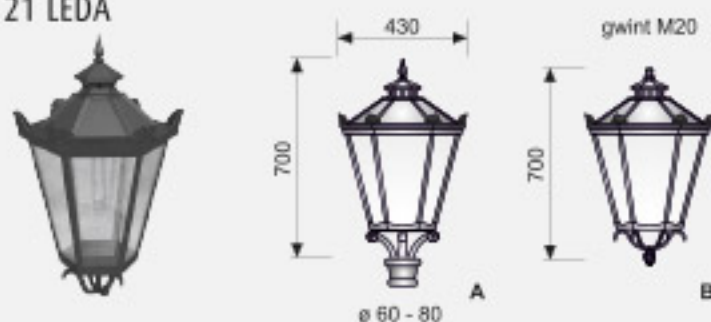
01 VERA



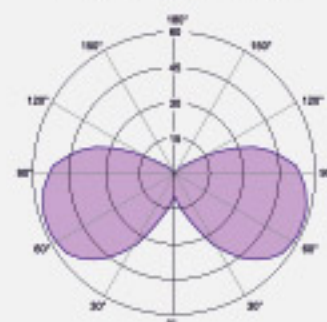
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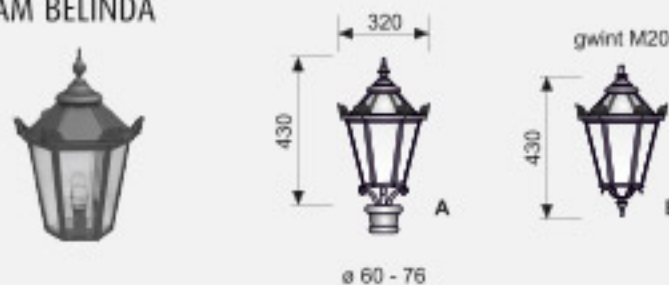
21 LEDA



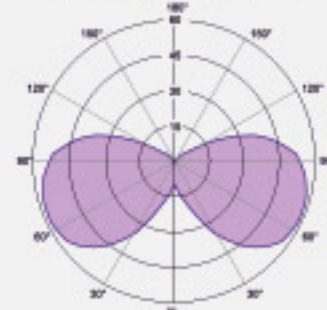
Krzywa rozsyłu światłości:



AM BELINDA



Krzywa rozsyłu światłości:

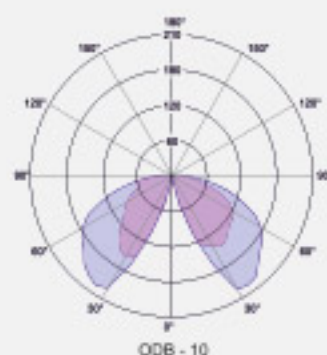
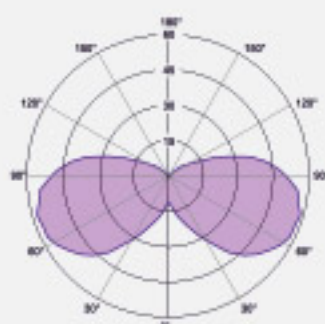


02 LUNA

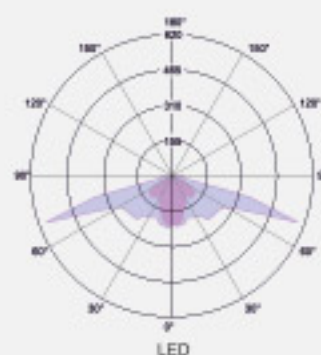

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gwint M20

Krzywe rozsyłu światłości:



ODB - 10



LED

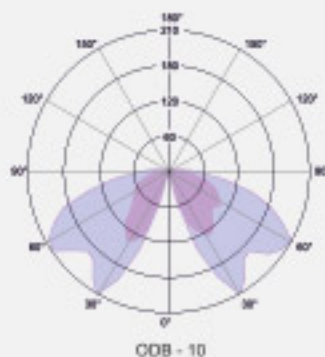
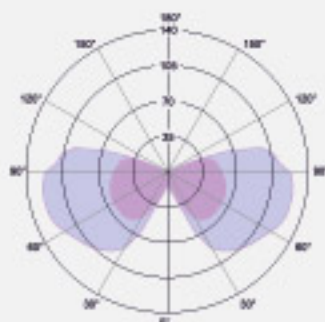
03 LIBRA


 $\varnothing$ 76 - 89

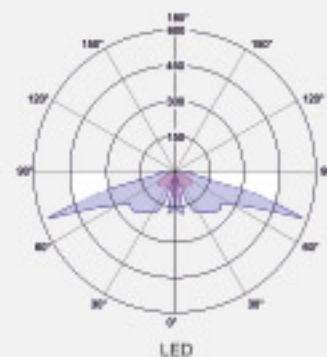
 $\varnothing$ 76 - 89


gwint M20

Krzywe rozsyłu światłości:

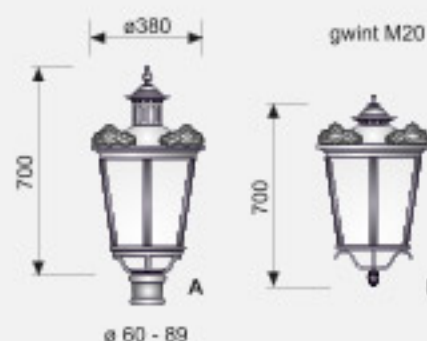


ODB - 10

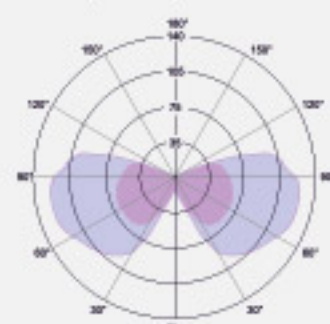


LED

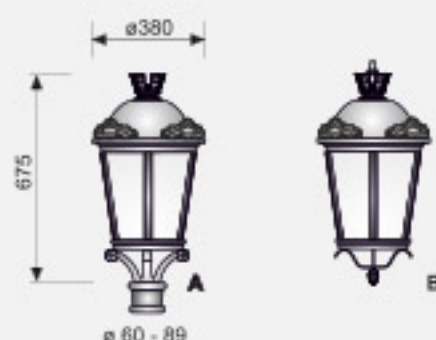
G02 MARS



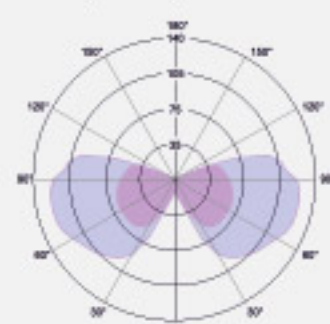
Krzywa rozsyłu światłości:



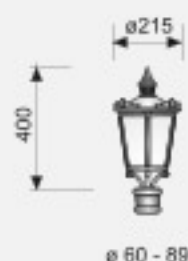
G03 MARS



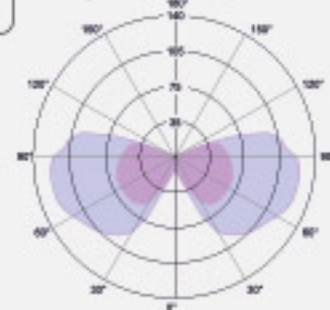
Krzywa rozsyłu światłości:



G05 MINI MARS



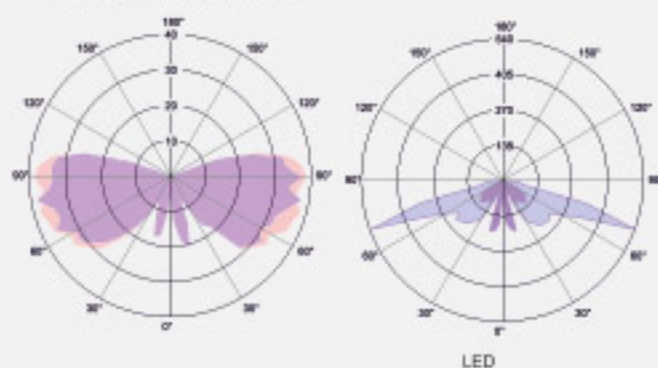
Krzywa rozsyłu światłości:



G04 MAXI MARS



Krzywa rozsyłu światłości:

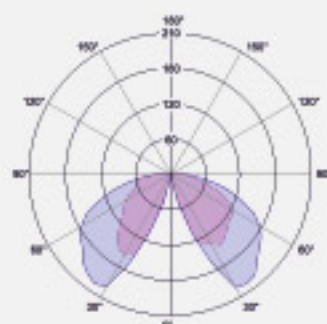


22 SATURN

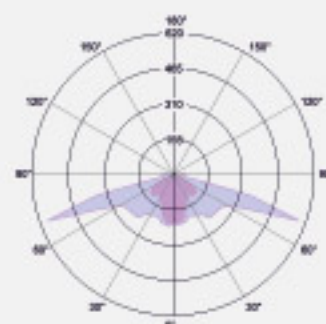

A
ø 76 - 89

B
ø 76 - 89


Krzywa rozsyłu światłości:



ODB - 10



LED

22M SATURN


M
ø 60 - 80


MD

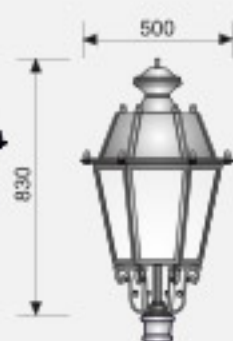
gwint M20



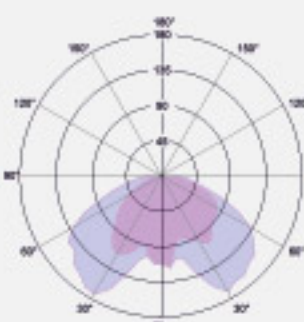
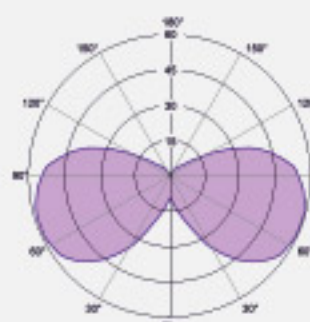
Krzywa rozsyłu światłości:



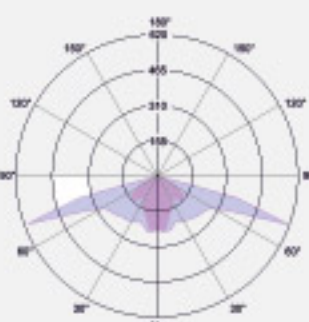
33 VICTORIA



ø 76 - 89

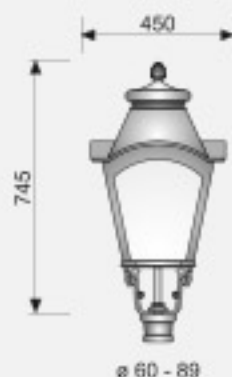


ODB - 10

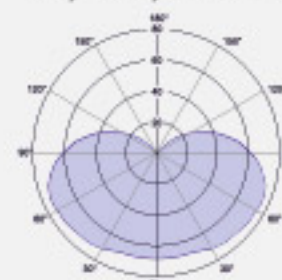


LED

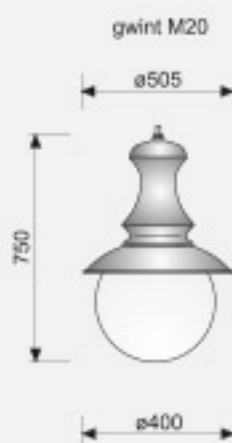
30 VERONA



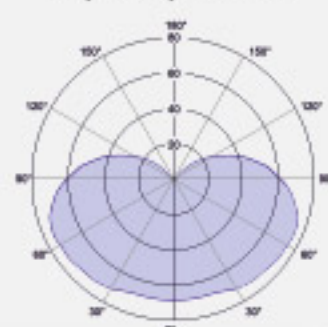
Krzywa rozsyłu światłości:



05 DAWID



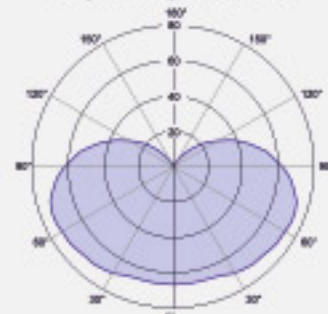
Krzywa rozsyłu światłości:



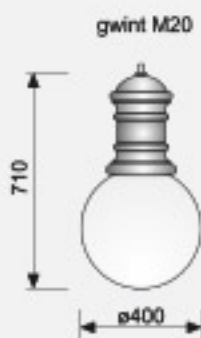
09 VIRGO



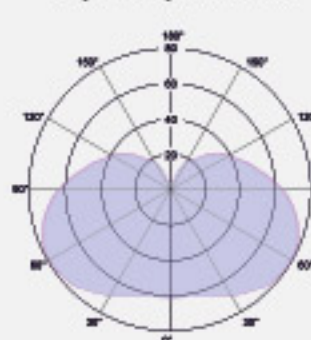
Krzywa rozsyłu światłości:



07 ANTILA



Krzywa rozsyłu światłości:



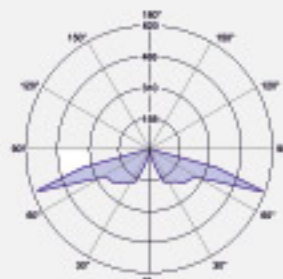
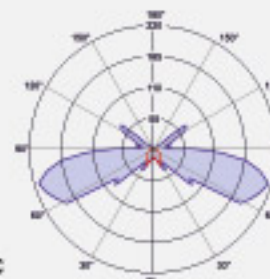
08 PHENIX



gwint M20



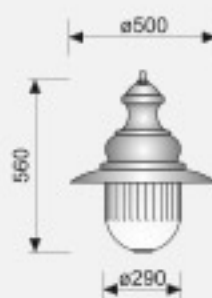
Krzywe rozsyłu światłości:



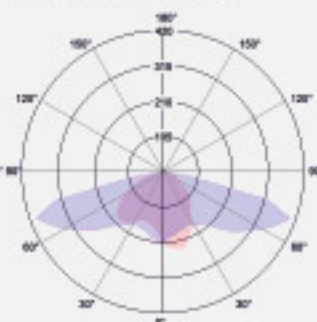
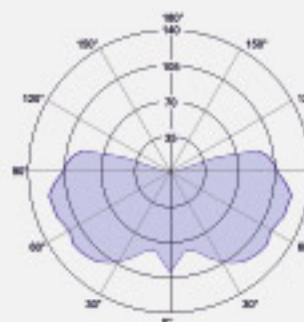
LED

04 ARIES

gwint M20



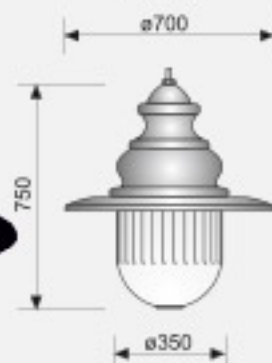
Krzywe rozsyłu światłości:



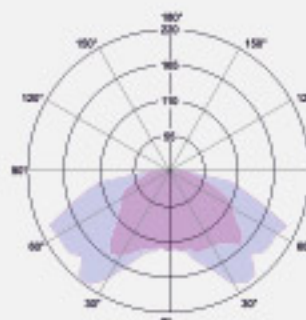
LED

06 ANDROMEDA

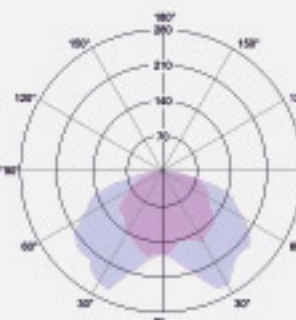
gwint M20



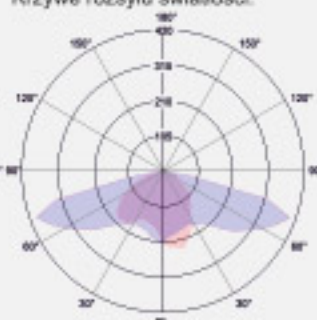
Krzywe rozsyłu światłości:



COB-2

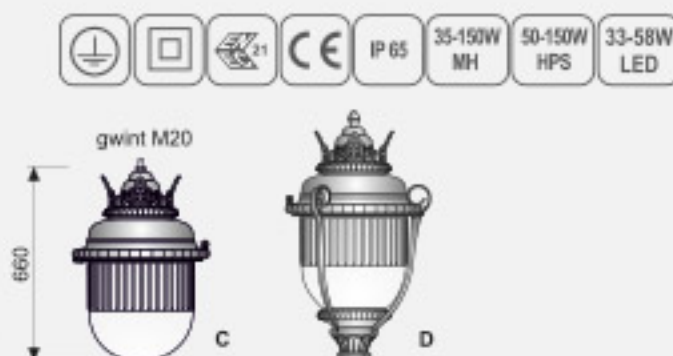
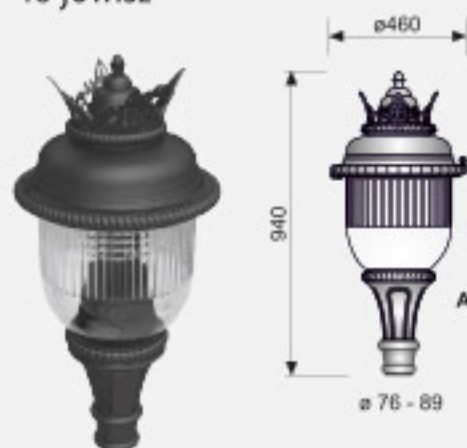


COB-10

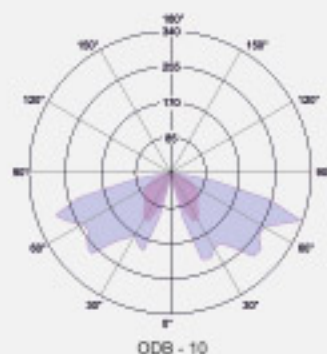


LED

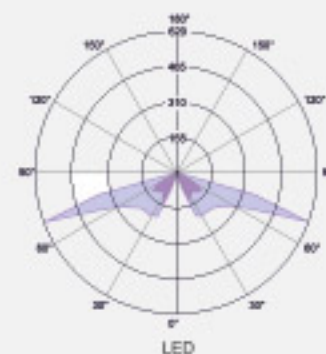
18 JOWISZ



Krzywe rozsyłu światłości:

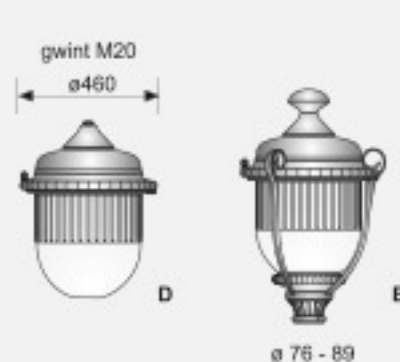


ODS - 10

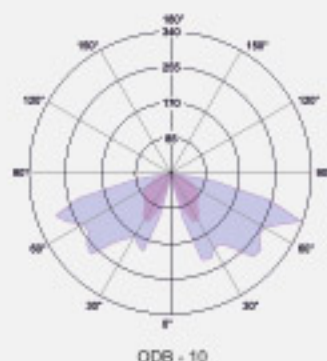


LED

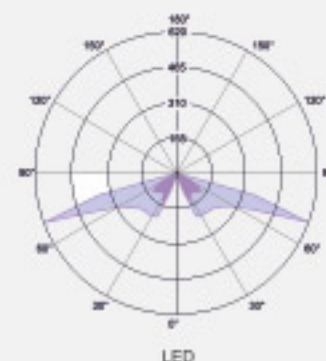
19 LUMINA



Krzywe rozsyłu światłości:

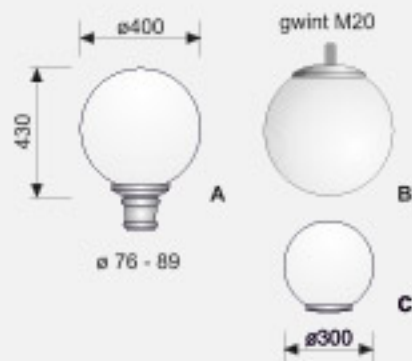


ODS - 10

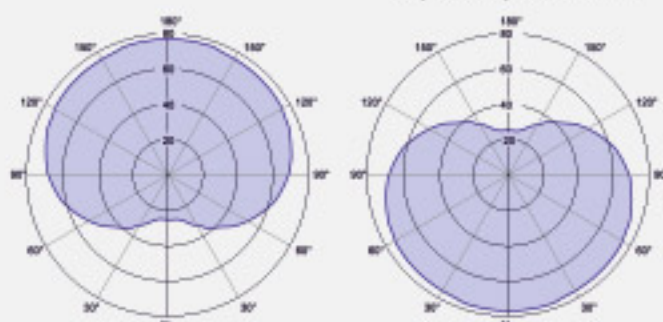


LED

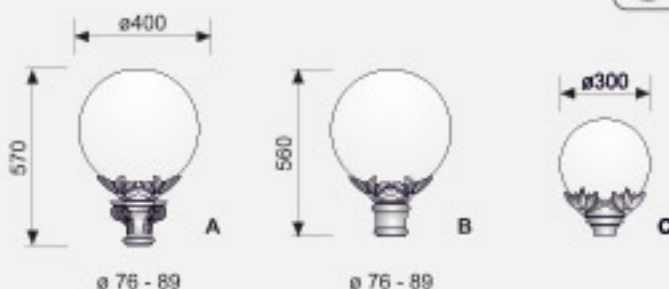
K1 ORION



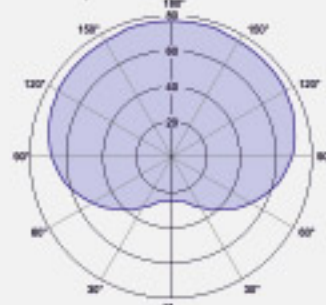
Krzywe rozsyłu światłości:



K2 WENUS



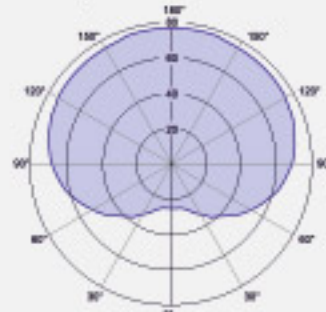
Krzywe rozsyłu światłości:



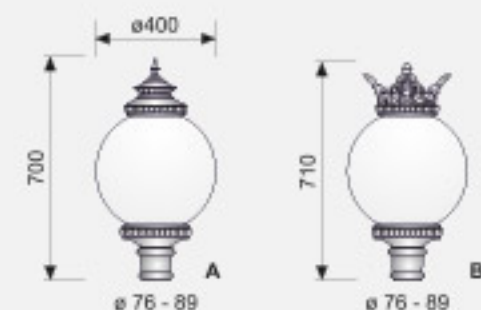
K3 SYRIUSZ



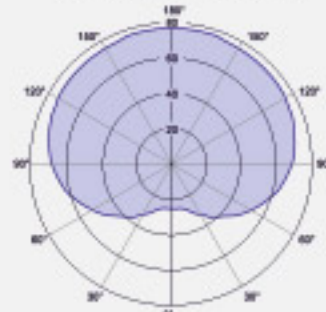
Krzywa rozsyłu światłości:



K4 CERES



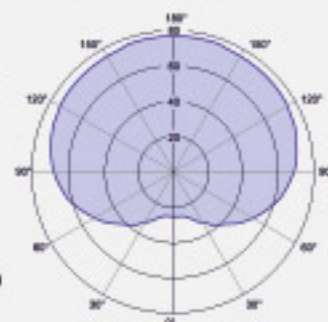
Krzywa rozsyłu światłości:



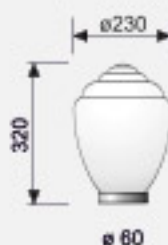
A2 JULIA



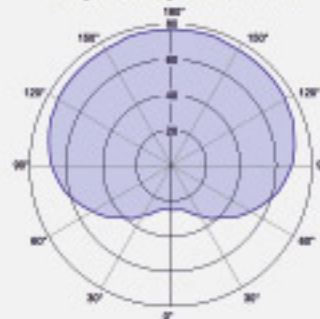
Krzywe rozsyłu światłości:



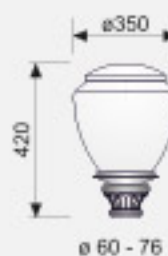
A4 AMFORA



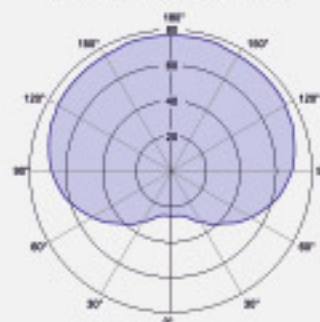
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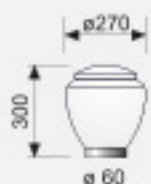
A5 FLORA



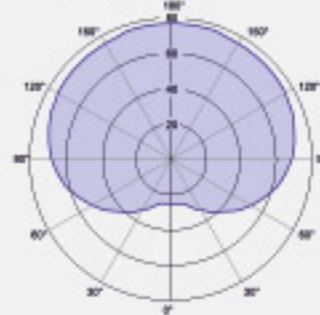
Krzywa rozsyłu światłości:



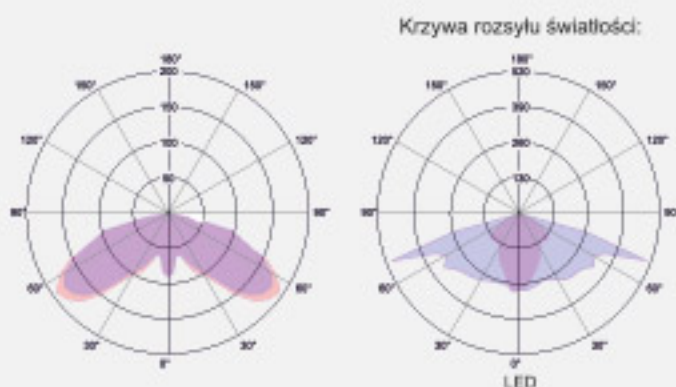
A5M FLORA



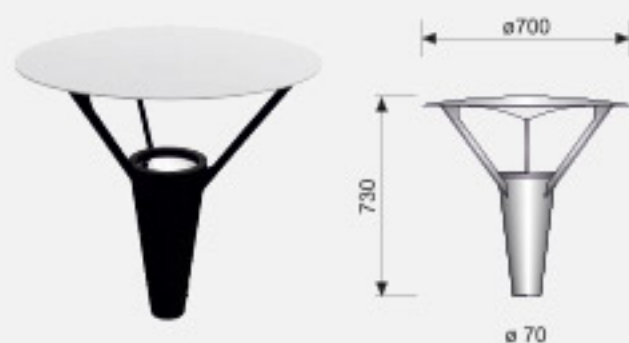
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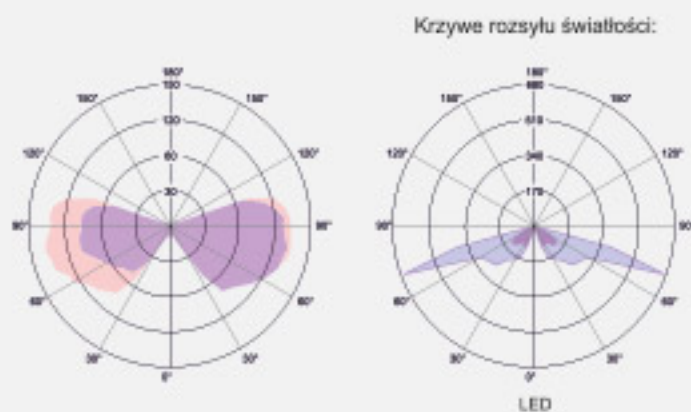
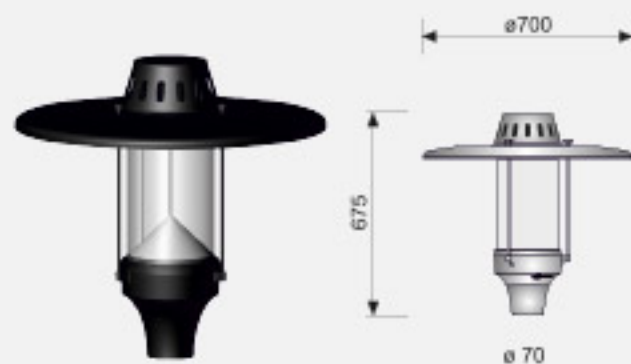
15 NEPTUN



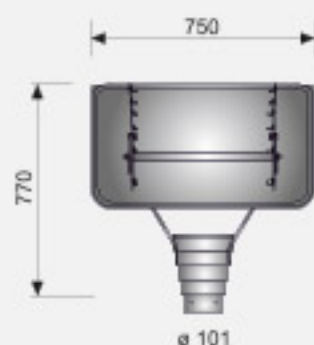
16 PLUTON



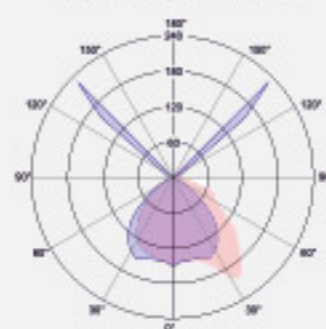
26 AURELIA



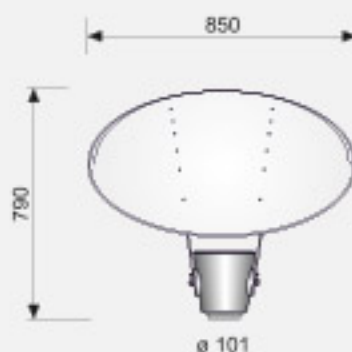
11 HELIOS



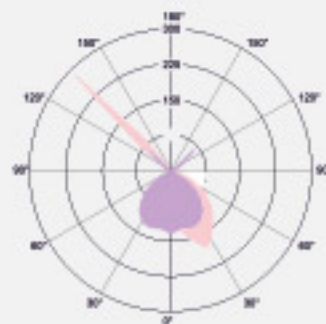
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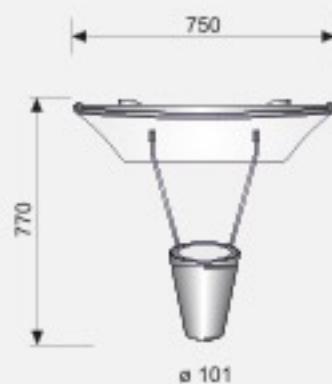
12 MERKURY



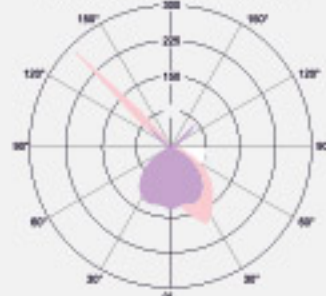
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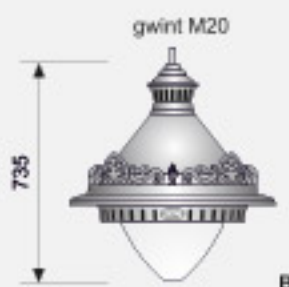
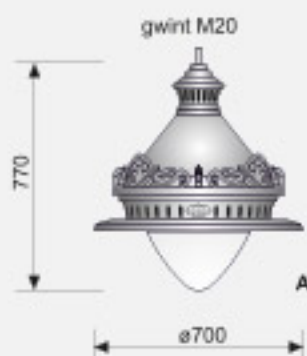
14 CENTURION



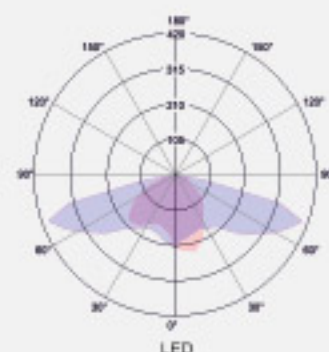
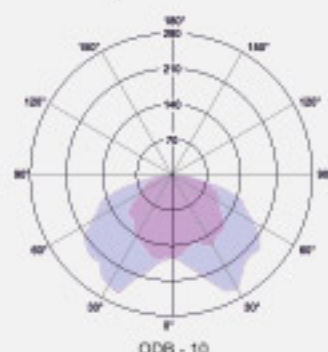
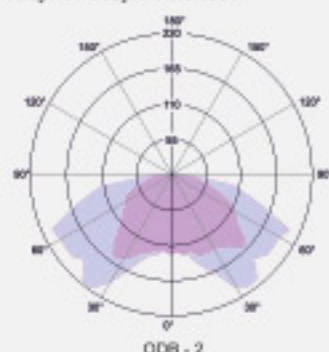
Krzywa rozsyłu światłości:



25 MEGALIA



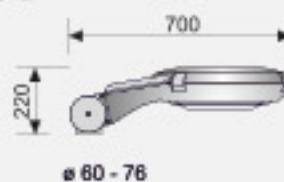
Krzywe rozsyłu światłości:



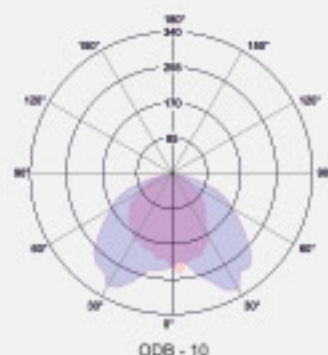
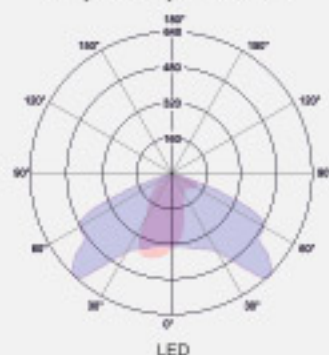
27 SYNCHRO



27 SYNCHRO 2



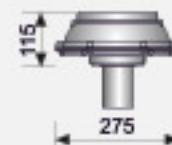
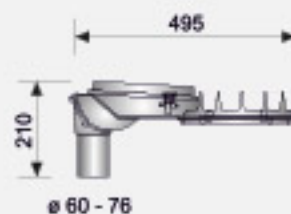
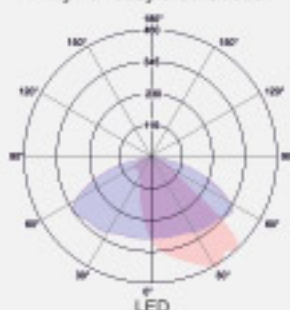
Krzywe rozsyłu światłości:



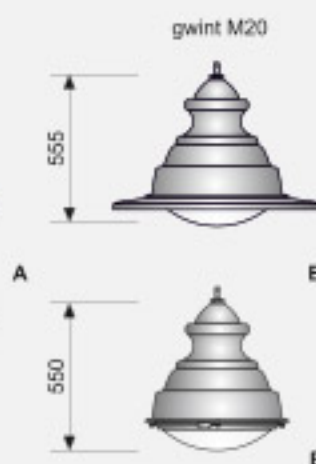
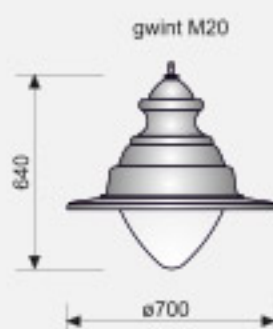
29 TECHNO



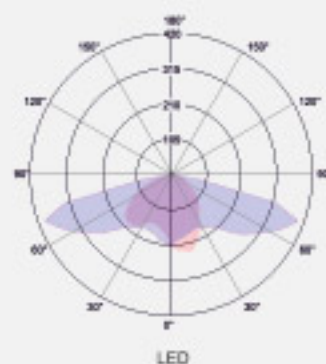
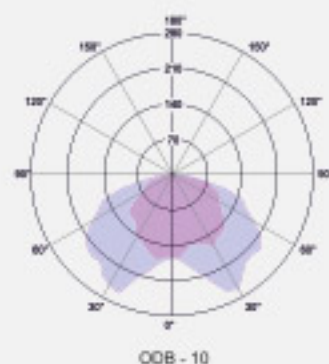
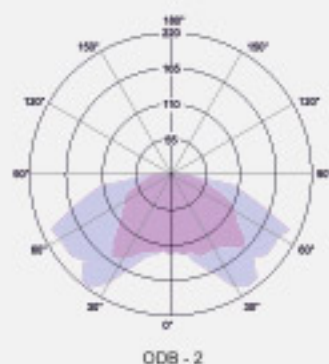
Krzywa rozsyłu światłości:



23 ANTARES



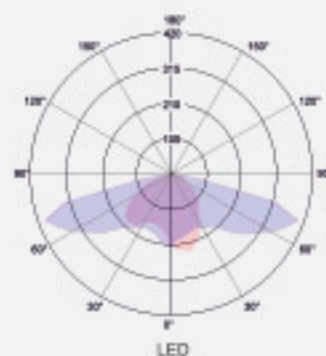
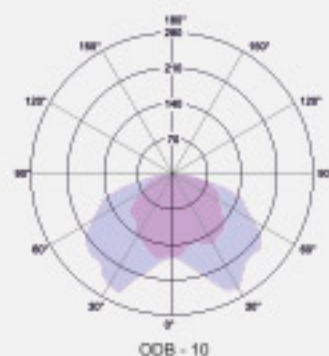
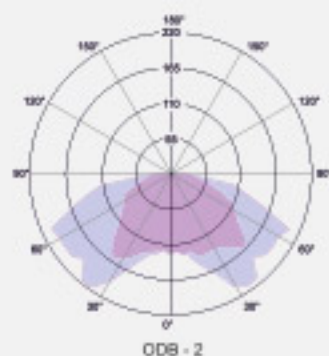
Krzywe rozsyłu światłości:



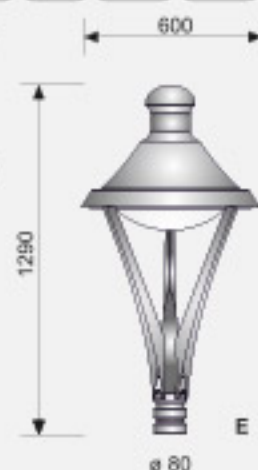
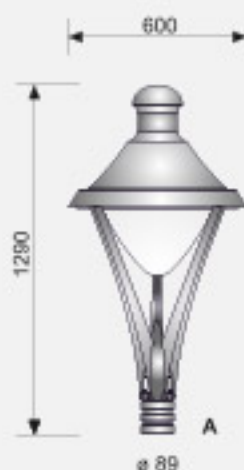
24 NEXUS



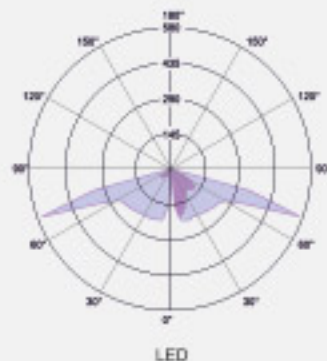
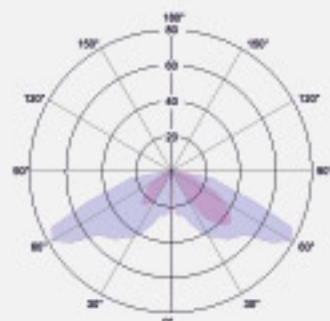
Krzywe rozsyłu światłości:



10 OPAL



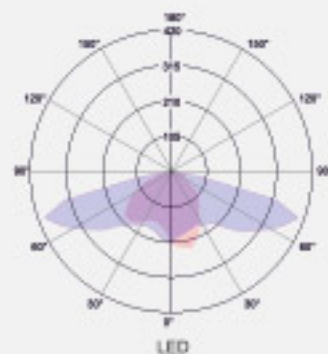
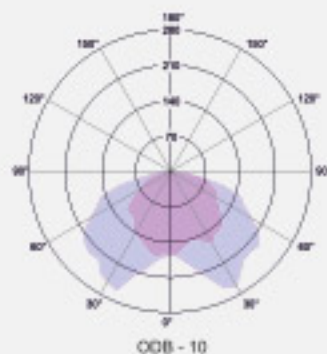
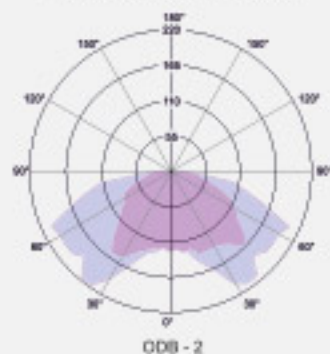
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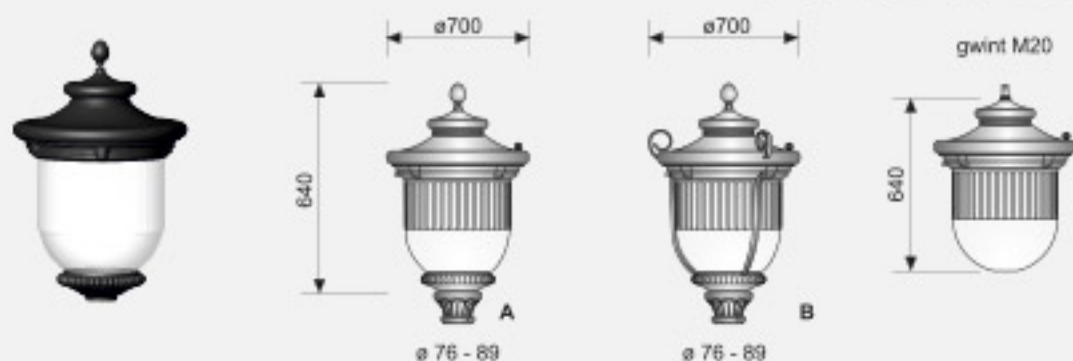
10 OPAL



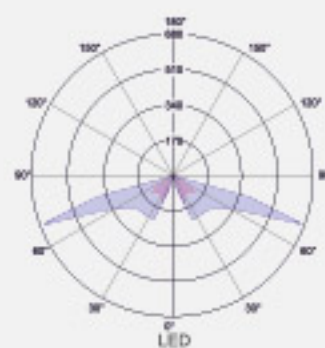
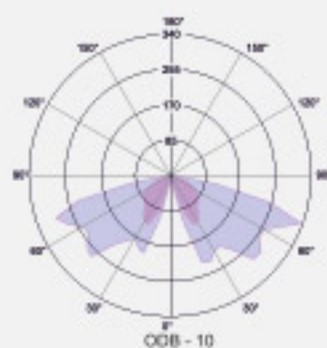
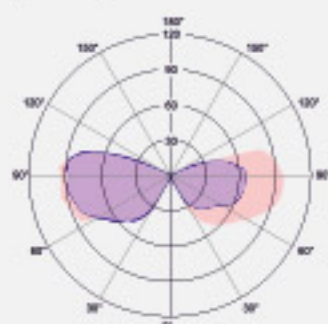
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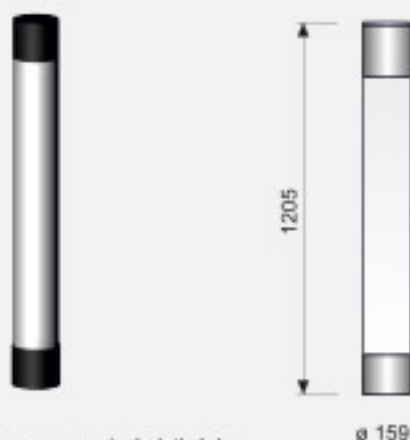
34 ROZALIA



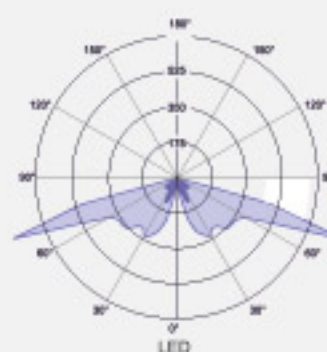
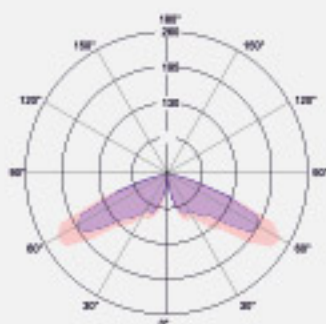
Krzywe rozsyłu światłości:



WR4



Krzywe rozsyłu światłości:

























































































ŚWIATŁO