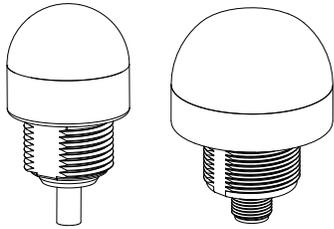


EZ-LIGHT® K30L and K50L Hazardous Area (Ex nA) Indicators



- For use in hazardous areas
- ATEX, CSA c/us, and IECEx certifications
- Fully sealed and rated to IP67/IP69K
- 1-, 2-, or 3-color models available; 5 available colors

Models

	Family	Type	Color 1	Color 2	Color 3	Input	Connection
Example:	K50L	N	G	R	Y	P	Q
	K30L K50L	N = Ex nA		G = Green R = Red Y = Yellow B = Blue W = White X = No color		P = PNP	Q = 4-pin integral Euro QD ¹ Blank = 2 m PVC integral cable W/XX = XX ft cable QP = 4-pin Euro PVC Pigtail QD

K30L Models

Model	Connection ²	LED Function	Input
K30LNGXXP	2 m (6.5 ft) PVC integral cable	1 Color: Green	PNP
K30LNYXXP		1 Color: Yellow	
K30LNRXXP		1 Color: Red	
K30LNBXXP		1 Color: Blue	
K30LNWXXP		1 Color: White	
K30LNGRXP		2 Color: Green, Red	
K30LNGYXP		2 Color: Green, Yellow	
K30LNGYXP		2 Color: Red, Yellow	
K30LNGRYP		3 Color: Green, Red, Yellow	

¹ Only available on K50L models.

² A model with a QD requires a mating cordset (see [Cordsets](#) on page 4).



K50L Models

Model ³	Connection ⁴	LED Function	Input
K50LNGXXPQ	4-pin Euro Quick Disconnect	1 Color: Green	PNP
K50LNYXXPQ		1 Color: Yellow	
K50LNRXXPQ		1 Color: Red	
K50LNBXXPQ		1 Color: Blue	
K50LNWXXPQ		1 Color: White	
K50LNGRXPQ		2 Color: Green, Red	
K50LNGYXPQ		2 Color: Green, Yellow	
K50LNGYXPQ		2 Color: Red, Yellow	
K50LNGRYPQ		3 Color: Green, Red, Yellow	

General Notes

1. The dust rating of enclosures/panels may be invalidated by the installation of the EZ-LIGHT(s). The installation of the EZ-LIGHT(s) in a particular enclosure/panel is subject to the evaluation/acceptance of the applicable approval agency.
2. For K50L installations in Dust Atmospheres, use the female NPT conduit entry with applicable wiring methods in accordance with Canadian Electrical Code (Canada) and National Electrical Code (United States).
3. Installation shall be carried out in accordance with the applicable code of practice by suitable trained personnel.
4. Repair of this equipment shall be carried out in accordance with the applicable code of practice.
5. The X suffix to the certificate number indicates that there is a special condition for safe use, which is that the non-conducting materials of the enclosures may be susceptible to electrostatic charging and precautions must be taken to avoid this.
6. If the equipment is likely to come into contact with aggressive substances⁵, then it is the responsibility of the user to take suitable precautions⁶ that prevent it from being adversely affected, thus ensuring that the type of protection is not compromised.
7. Clean with a damp cloth only.
8. For indicators with multiple colors, only one color is intended to be on at a time.

Specifications

Supply Voltage and Current

10 to 30V dc (25 mA max.)

Indicators

Entire translucent diffuser or dome provides indication. LEDs are independently selected: Green, Red, Yellow, Blue, or White; 1, 2, or 3 colors, depending on model For other colors/ combinations, contact Banner Engineering for availability.

Construction

Base: polycarbonate

Translucent dome: polycarbonate

Connections

K30: 2 m (6.5 ft) PVC integral cable, or 150 mm (5.9 in) 4-pin Euro PVC Pigtail QD

K50: 4-pin Euro integral QD, 2 m (6.5 ft) PVC integral cable, or 150 mm (5.9 in) 4-pin Euro PVC Pigtail QD

Environmental Rating

IP67/IP69K

Operating Conditions

-40 °C to +50 °C (-40 °F to +122 °F)

Certifications



³ For 4-pin Euro PVC Pigtail QD Models, replace suffix "Q" with "QP" in the model number (K50LI GXXPQP).

⁴ A model with a QD requires a mating cordset (see [Cordsets](#) on page 4).

⁵ Aggressive substances—for example, acidic liquids or gases that may attack metals, or solvents that may affect polymeric materials.

⁶ Suitable precaution—for example, regular checks as part of routine inspections or establishing from the materials data sheet that it is resistant to specific chemicals.

Approvals

CSA-c/us

Gas & Vapors: Class I Zone 2 AEx/Ex nA IIC T4 Gc / Class I Div 2 Groups ABCD

Dust: Class II Zone 22 AEx/Ex tc IIIC T135°C Dc / Class II Div 2 Groups EFG, Class III Div 2 (K50L only)

CSA 14.2679646

ATEX/IECEX

Gas & Vapours: II 3 G Ex nA IIC T4 Gc (Group IIC Zone 2)

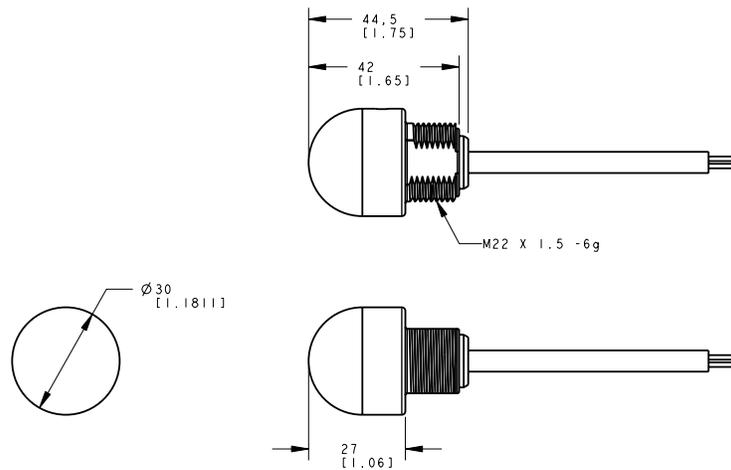
Dust: II 3 D Ex tc IIIC T135°C Dc (Group IIIC Zone 22)

Sira 13ATEX4271X

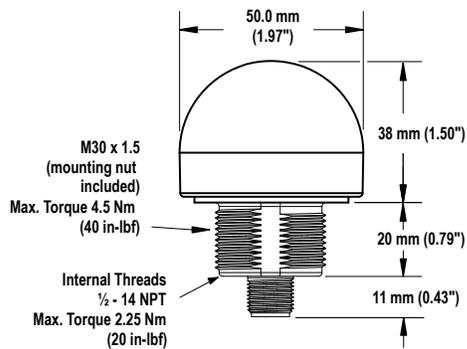
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Dimensions

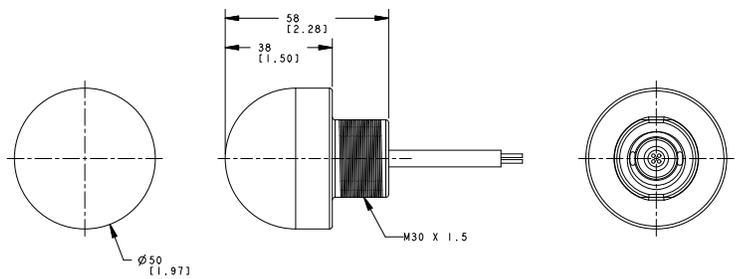
K30L Cabled Models



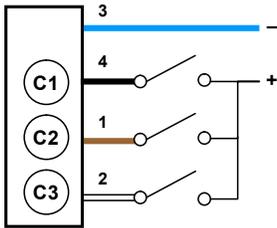
K50L Quick Disconnect Models



K50L Cabled Models



Hookups



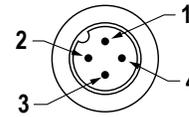
Wiring Key

- 1 = Brown
- 2 = White
- 3 = Blue
- 4 = Black

Color Key

- C1 = Color 1
- C2 = Color 2
- C3 = Color 3

Pinout



Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC-406	1.83 m (6 ft)	Straight		
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)			
MQDC-406RA	1.83 m (6 ft)	Right-Angle		<ul style="list-style-type: none"> 1 = Brown 2 = White 3 = Blue 4 = Black
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

Banner Engineering Corp Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

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This Warranty is exclusive and limited to repair or, at the discretion of Banner Engineering Corp., replacement. IN NO EVENT SHALL BANNER ENGINEERING CORP. BE LIABLE TO BUYER OR ANY OTHER PERSON OR ENTITY FOR ANY EXTRA COSTS, EXPENSES, LOSSES, LOSS OF PROFITS, OR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM ANY PRODUCT DEFECT OR FROM THE USE OR INABILITY TO USE THE PRODUCT, WHETHER ARISING IN CONTRACT OR WARRANTY, STATUTE, TORT, STRICT LIABILITY, NEGLIGENCE, OR OTHERWISE.

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