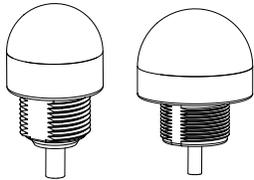


# EZ-LIGHT® K30L and K50L Hazardous Area (Ex mb) Indicators



- 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
Example:	K50L	M	G	R	Y	P
	K30L K50L	M = Ex mb		G = Green R = Red Y = Yellow B = Blue W = White X = No color		P = PNP

K30L Models	K50L Models	Connection	LED Function	Input
K30LMGXXP	K50LMGXXP	2 m (6.5 ft) PVC integral cable	1 Color: Green	PNP
K30LMYXXP	K50LMYXXP		1 Color: Yellow	
K30LMRXXP	K50LMRXXP		1 Color: Red	
K30LMBXXP	K50LMBXXP		1 Color: Blue	
K30LMWXXP	K50LMWXXP		1 Color: White	
K30LMGRXP	K50LMGRXP		2 Color: Green, Red	
K30LMGYXP	K50LMGYXP		2 Color: Green, Yellow	
K30LMGYXP	K50LMGYXP		2 Color: Red, Yellow	
K30LMGRYP	K50LMGRYP		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 substances<sup>1</sup>, then it is the responsibility of the user to take suitable precautions<sup>2</sup> that prevent it from being adversely affected, thus ensuring that the type of protection is not compromised.
7. Clean with a damp cloth only.

<sup>1</sup> Aggressive substances—for example, acidic liquids or gases that may attack metals, or solvents that may affect polymeric materials.

<sup>2</sup> 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.



8. For indicators with multiple colors, only one color is intended to be on at a time.
9. For Ex ta installations, the power supply prospective short circuit current be not more than 10 kA

## 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  
K50: 2 m (6.5 ft) PVC integral cable

**Environmental Rating**

IP67/IP69K

**Operating Conditions**

-40 °C to +50 °C (-40 °F to +122 °F)

**Certifications**



**Approvals**

CSA-c/us  
Gas & Vapors: Class I Zone 1 AEx/Ex mb IIC T4 Gb  
Dust: Class II Zone 20 AEx/Ex ta IIIC T135°C Da / Class II Div 1 Group EFG, Class III Div 1 (K50L only)  
CSA 14.2679646

**ATEX/IECEx**

Gas & Vapours: II 2 G Ex mb IIC T4 Gb (Group IIC Zone 1)  
Dust: II 1 D Ex ta IIIC T135°C Da (Group IIIC Zone 20)  
Sira 13ATEX5270X  
IECEx Sir 13.0099X

**Required Overcurrent Protection**



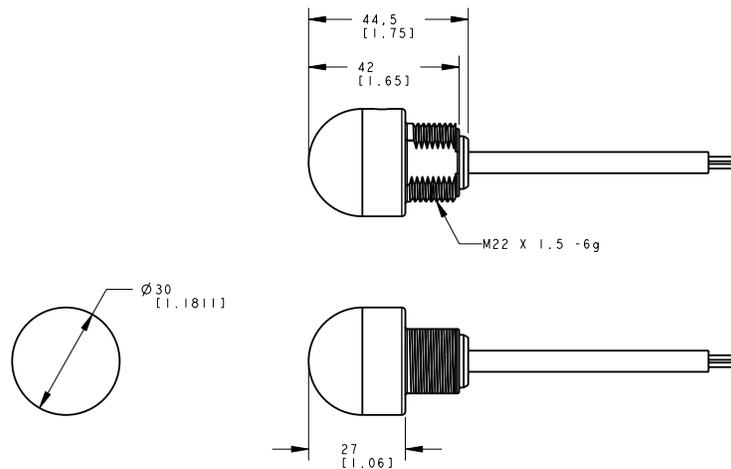
**WARNING:** Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

Overcurrent protection is required to be provided by end product application per the supplied table.  
Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply.  
Supply wiring leads < 24 AWG shall not be spliced.  
For additional product support, go to <http://www.bannerengineering.com>.

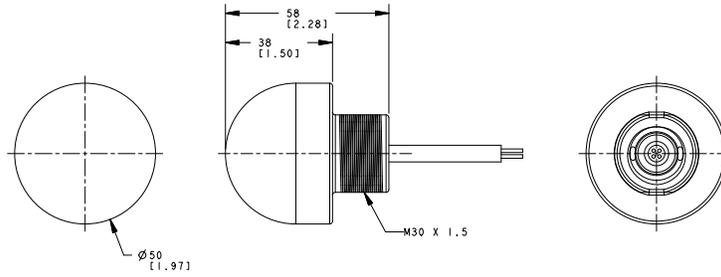
Supply Wiring (AWG)	Required Overcurrent Protection (Amps)
20	5.0
22	3.0
24	2.0
26	1.0
28	0.8
30	0.5

## Dimensions

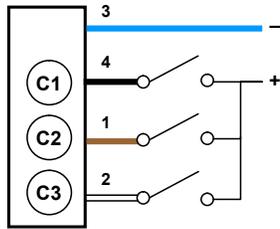
**K30L Cabled Models**



### 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

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