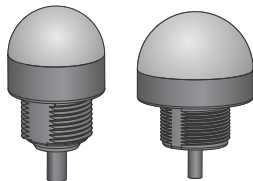
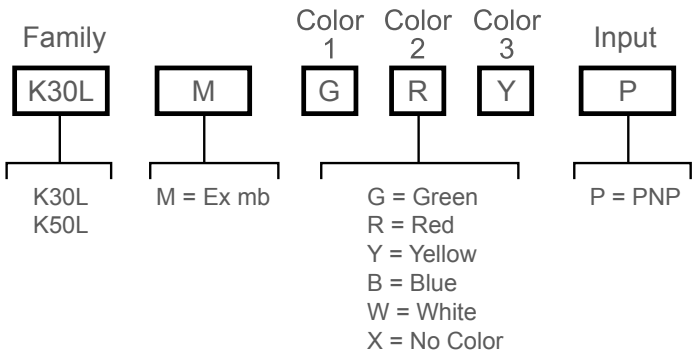


Datasheet



- For use in hazardous areas
- ATEX, CSA c/us, UKCA, and IECEx certifications
- Fully sealed and rated to IP67/IP69K per DIN 40050-9
- 1-, 2-, or 3-color models available; 5 available colors

Models



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	
K30LMRYXP	K50LMRYXP		2 Color: Red, Yellow	
K30LMGRYP	K50LMGRYP		3 Color: Green, Red, Yellow	

Installation Instructions

Ex/HazLoc Applications

WARNING:



- **Explosive Atmospheres/Hazardous Locations**
- It is the user's responsibility to ensure that all local, state, and national laws, rules, codes, or regulations relating to the installation and use of this device in any particular application are satisfied. This device must be installed by a Qualified Person⁽¹⁾, in accordance with this document and applicable regulations.

⁽¹⁾ A Qualified Person is a person who, by possession of a recognized degree or certificate of professional training, or who, by extensive knowledge, training and experience, has successfully demonstrated the ability to solve problems relating to the subject matter and work.



WARNING:

- **Explosion Hazard**
- Do not disconnect equipment unless the power has been switched off or the area is known to be non-hazardous.

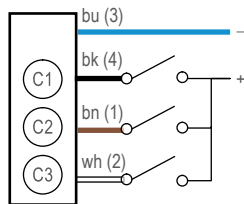
WARNING:

- **Electrostatic Discharge (ESD) Specific Conditions for Safe Use**
- Parts of the enclosure are non-conducting and can generate an ignition-capable level of ESD.
- To reduce the risk of ignition due to electrostatic discharge, avoid contact with the equipment while an explosive atmosphere is present.
- Clean the equipment with only a damp cloth.

Specific Conditions for Use and General Notes

- See Specifications and Wiring Diagrams for important information concerning entity parameters, permissible locations, electrical connections and certifications.
- In addition to the warning above concerning user responsibility, the installation must comply with the following:
 - All installations must comply with all manufacturer's instructions.
 - Division / Zone wiring methods must comply with the following:
 - U.S. Installations: The relevant requirements of the National Electrical Code® (ANSI/NFPA-70 (NEC®)).
 - Canadian Installations: The relevant requirements of the Canadian Electrical Code (CSA C22.1).
 - ATEX and IECEx Installations: The relevant requirements of EN IEC 60079-14 and applicable National regulations.
- Do not attempt any repairs to this device; it contains no field-replaceable parts or components. Tampering and/or replacement with non-factory components may adversely affect the safe use of the system.
- The ingress protection (for example, IP 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.
- 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).
- The nonconducting materials of this device may be susceptible to ignition-capable level of electrostatic charging and precautions must be taken to avoid this. The user/installer shall ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which are conducive to creating a build-up of electrostatic charges.
- Clean with a damp cloth only.
- If the equipment is likely to come into contact with aggressive substances⁽²⁾, then it is the responsibility of the user to take suitable precautions⁽³⁾ that prevent it from being adversely affected, thus ensuring that the type of protection is not compromised.
- The equipment has been evaluated to IEC 60079-0 Table 15, Resistance to Impact, as a low risk of mechanical damage. If the installation has a high risk of impact, the user must take suitable precautions to provide protection from impact.
- For indicators with multiple colors, only one color is intended to be on at a time.
- EX ta requires that the prospective short circuit current of the supply must not exceed 10 kA.

Wiring Diagram

**Wiring Key**

1 = Brown

2 = White

3 = Blue

4 = Black

Color Key

C1 = Color 1

C2 = Color 2

C3 = Color 3

Specifications

Supply Voltage and Current

10 V DC to 30 V DC (25 mA max.)

Environmental Rating

IP67/IP69K per DIN 40050-9

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.

⁽²⁾ Aggressive substances—for example, acidic liquids or gases that may attack metals, or solvents that may affect polymeric materials.

⁽³⁾ 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 1 AEx/Ex mb IIC T4 Gb
 Dust: Zone 20 AEx/Ex ta IIIC T135°C Da / Class II Div 1
 Group EFG, Class III Div 1
 CSA14CA2679646X

ATEX/IECEX/UKCA

Gas & Vapors: II 2 G Ex mb IIC T4 Gb (Group IIC Zone 1)
 Dust: II 1 D Ex ta IIIC T₂₀₀135°C Da (Group IIIC Zone 20)
 Sira 13ATEX5270X
 IECEX SIR 13.0099X
 CSAE 21UKEX5682X
 ATEX/UKCA: EN IEC 60079-0:2018, EN 60079-18:2015/
 A1:2017 & EN 60079-31:2014
 IECEX: IEC 60079-0:2017 Ed. 7, IEC 60079-18:2017 Ed. 4.1
 & EN 60079-31:2013 Ed.2

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

Operating Conditions

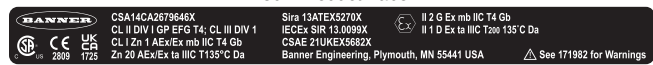
Ta = -40 °C to +50 °C (-40 °F to +122 °F)

Certifications

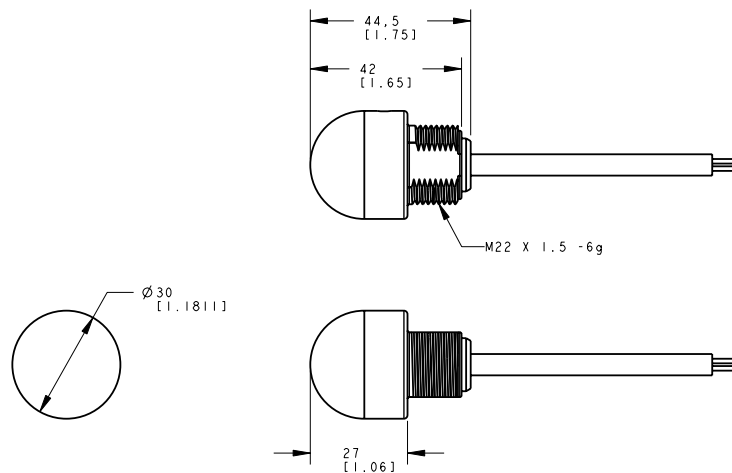
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 LTD Blenheim House |
 Blenheim Court |
 Wickford, Essex SS11
 8YT | Great Britain

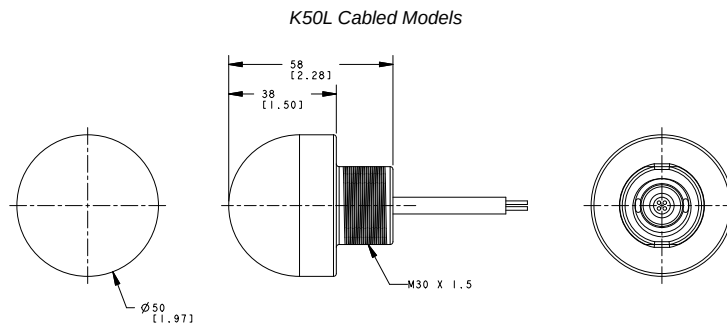
Banner Engineering
 BV Park Lane |
 Culliganlaan 2F bus 3 |
 1831 Diegem,
 BELGIUM

IEC IECEX SIR 13.0099X
 ATEX Sira 13ATEX5270X
 CSAE 21UKEX5682X
 CSA CoC 2679646

K30L Product Label*K50L Product Label***Dimensions**

All measurements are listed in millimeters [inches], unless noted otherwise. The measurements provided are subject to change.

K30L Cabled Models



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