

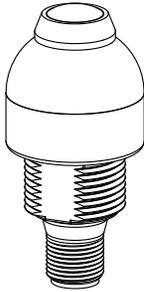
# EZ-LIGHT® K30L Series



*With Independent Push Button Contact*

*Compact Indicator with One, Two, or Three Colors and a Momentary Push Button Output*

For the latest technical information about this product, including specifications, dimensions, and wiring, see [www.BannerEngineering.com](http://www.BannerEngineering.com)



- Rugged, cost-effective and easy-to-install multicolor indicator light with pushbutton
- Waterproof IP65 construction for washdown environments
- Excellent for panel mounting or as a stand-alone device
- Immune to EMI and RFI interference
- 10 to 30V dc operation
- Cabled and Quick Disconnect models available
- Up to 3 independent colors in one unit

## Models

Family	Color 1	Color 2	Color 3	Input	Output	Connector*
K30L	G	R	Y	P	PB2	Q
MODEL KEY	G = Green R = Red Y = Yellow B = Blue W = White O = Orange T = Turquoise V = Violet M = Magenta X = No color in this position			P = PNP	PB2 = Momentary Push Button	Q = Euro QD Blank = 2 meter cable QP = Euro Pigtail QD

Example Model	# of LED Colors	LED Indicators	Connection
K30LGXXPPB2Q	1	Green	4-pin Euro integral QD Connector
K30LRXXPPB2Q		Red	
K30LGRXPPB2Q	2	Green, Red	5-pin Euro integral QD Connector
K30LGYXPPB2Q		Green, Yellow	
K30LGRYPPB2Q	3	Green, Red, Yellow	8-pin Euro integral QD Connector

\*Integral QD models only are listed.

- For integral 2 m (6.5') PVC cable, omit suffix Q from model number (example, "K30LGXXPPB2").
- For 150 mm PVC pigtail with QD, replace Q with QP in model number (example, K30LGXXPPB2QP).
- A model with a QD requires a mating cordset (see [EZ-LIGHT K30L Series Ind Push Button -- Cordsets](#)).



### WARNING: Not To Be Used for Personnel Protection

**Never use this product as a sensing device for personnel protection. Doing so could lead to serious injury or death.** This product does NOT include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

## Installation

Install the K30 sensor at such a height and in a location that will be easy for the user and/or supervisor to see the indicator and comfortable for the user to press the push-button.

## Specifications

### Supply Voltage and Current

10 to 30V dc at 40 mA max. per LED color

### Supply Protection Circuitry

Protected against transient voltages and reverse polarity

### Indicator Response Time

On/Off: 1ms max

### Switch Contact Rating

150 mA at 30V dc

### Contact Bounce

10 ms max.

### Environmental Rating

IEC IP65

### Construction

Base: polycarbonate

Translucent dome: polycarbonate

Push button: thermoplastic

### Mounting Torque

2.25 Nm (20 in-lbf) max.

### Connections

Integral Euro-style QD fitting, PVC-jacketed 2 m (6.5 ft) cable or 150 mm (6 in) PVC pigtail with QD, depending on model

### Operating Temperature

-40° to +50° C (-40° to +122° F)

### Max. Relative Humidity

90% at +50° C max. relative humidity (non-condensing)

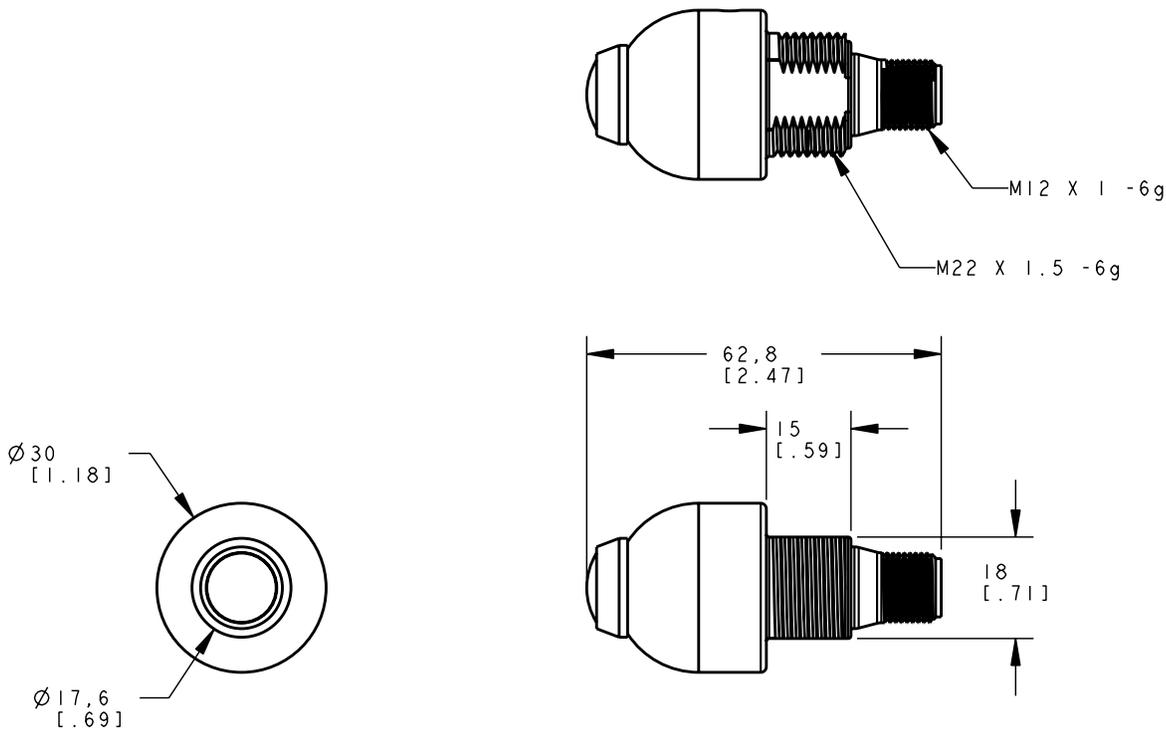
### Storage Temperature

-40° to +70° C (-40° to +158° F)

### Certifications



## Dimensions



# Hookups

4-Pin Models	
Sourcing (PNP) Input	Key
	1 = Brown 2 = White 3 = Blue 4 = Black C1 = Color 1 PB = Push Button

5-Pin Models	
Sourcing (PNP) Input	Key
	1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray C1 = Color 1 C2 = Color 2 PB = Push Button

8-Pin Models	
Sourcing (PNP) Input	Key
	1 = White 2 = Brown 3 = Green (not used) 4 = Yellow 5 = Gray 6 = Pink 7 = Blue 8 = Red (not used) C1 = Color 1 C2 = Color 2 C3 = Color 3 PB = Push Button

## Quick-Disconnect (QD) Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC-406	1.83 m	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black</p>
MQDC-415	4.57 m			
MQDC-430	9.14 m			
MQDC-450	15.2 m			

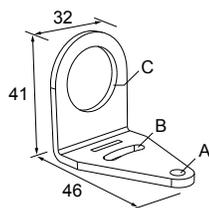
5-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC1-501.5	0.50 m	Straight		<p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
MQDC1-506	1.83 m			
MQDC1-515	4.57 m			
MQDC1-530	9.14 m	Right-Angle		<p>1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray</p>
MQDC1-506RA	1.83 m			
MQDC1-515RA	4.57 m			
MQDC1-530RA	9.14 m			

8-Pin Threaded M12/Euro-Style Cordsets with Shield				
Model	Length	Style	Dimensions	Pinout
MQDC-806	1.83 m	Straight		<p>1 = White      5 = Gray 2 = Brown      6 = Pink 3 = Green      7 = Blue 4 = Yellow      8 = Shield</p>
MQDC-815	4.58 m			
MQDC-830	9.14 m			

## Brackets

### SMB22A

- Right-angle bracket with curved slot for versatile orientation
- 12-ga. stainless steel
- Mounting hole for 22 mm sensor



**Hole center spacing:** A to B = 26.0

**Hole size:** A =  $\varnothing$  4.6, B = 4.6 x 16.9, C = 22.2

## Banner Engineering Corp Limited Warranty

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