EZ-LIGHT[™] K50LD Daylight Visible Indicators (AC)



Datasheet

AC-Operated Indicators for Outdoor Applications

K50LDXGXPQ

For the latest technical information about this product, including specifications, dimensions, and wiring, see *www.BannerEngineering.com*.

- Intense levels of light output for outdoor applications
- Controlled field of view for signage and narrow lane use
- May also be used for low-cost vision sensor illumination
- · Rugged, cost-effective, and easy to install
- · Compact devices are completely self-contained no controller needed
- Immune to EMI and RFI interference
- 50 mm diameter with flat profile and 30 mm mounting base
- 85 to 130 V ac operation



NOTE: Optional sun shield model K50DS is available for enhanced visibility in desert sun brightness levels (see *Sun Shield* on page 4).

Model 1	LED Function	Inputs	
K50LDGA120Q	1 Color: Green	85 to 130 V ac	
K50LDRA120Q	1 Color: Red		
K50LDYA120Q	1 Color: Yellow		
K50LDWA120Q	1 Color: White		
K50LDBA120Q	1 Color: Blue		



WARNING: Not To Be Used for Personnel Protection

Never use this device as a sensing device for personnel protection. Doing so could lead to serious injury or death. This device 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.

• Models with a quick disconnect fitting require a mating cable (see Accessories list).

¹ Integral quick disconnect fitting models are listed.

[•] To order the 2 m (6.5 ft) cable model, omit the suffix Q from model number (example, K50LDGA120).

Specifications

Supply Voltage and Current

85 to 130 V ac or 75 to 120 V dc at 16 mA maximum

Supply Protection Circuitry

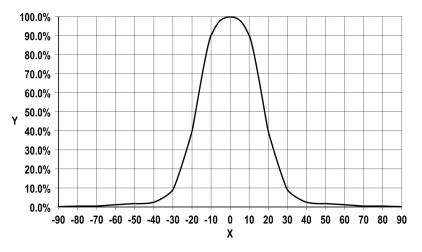
Protected against transient voltages

Indicators

Color	Typical Wavelength or Color Temperature	Typical Intensity (Im)	
Green	525 nm	14	
Red	625 nm	4	
Yellow	590 nm	5	
Blue	470 nm	5	
White	6200 K	12	

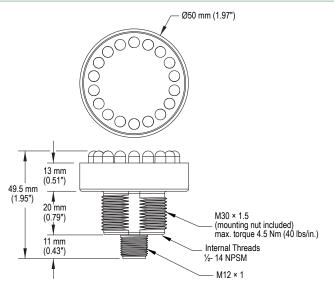
Input Response Time Indicator ON/OFF: 500 µs maximum
Construction Polycarbonate, 30 mm mount
Connections Integral 3-pin Micro-style quick disconnect fitting or 2 m (6.5 ft) integral cable, depending on model
Environmental Rating Fully encapsulated, IEC IP67
Operating Conditions -40 °C to +50 °C (-40 °F to +122 °F) 90% at +55 °C maximum relative humidity (non-condensing)

Percent of Maximum Intensity vs Viewing Angle

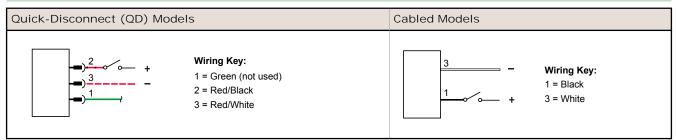


X: Viewing Angle (Deg) Y: Intensity (Percent)

Dimensions

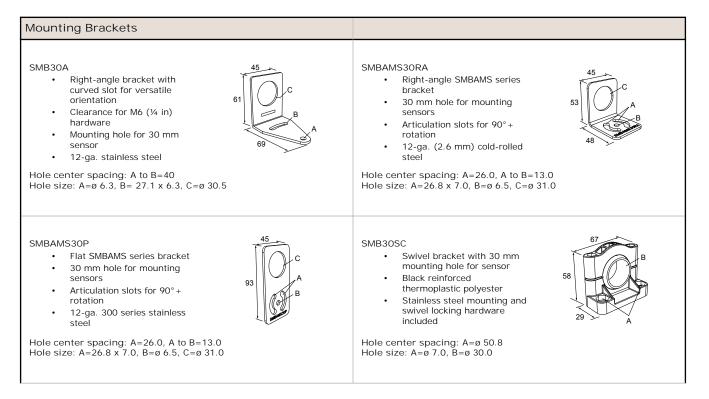


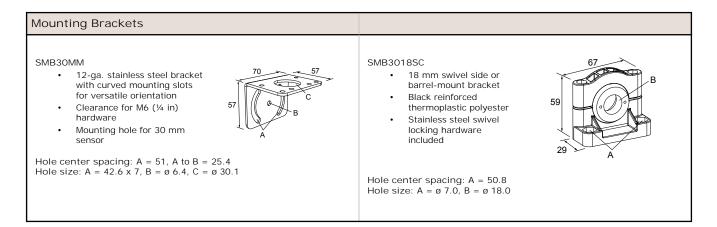
Wiring



Accessories

3-Pin Micro-Style Cordsets						
Model	Length	Style	Dimensions	Pinout (Female)		
MQDC-306	1.83 m (6 ft)	Straight				
MQDC-315	4.57 m (15 ft)					
MQDC-330	9.14 m (30 ft)		۲/2-20 UNF-28 رو 14.5			
MQDC-306RA	1.83 m (6 ft)		- 22 Turn	3 2 2 2 2		
MQDC-315RA	4.57 m (15 ft)		32 Typ			
MQDC-330RA	9.14 m (30 ft)	Right-Angle	28 Typ 28 Typ 1/2-20 UNF-28	1 = Green 2 = Red/Black 3 = Red/White		





Sun Shield

K50DS

- Use for enhanced visibility in desert sun brightness levels
- Thermoplastic polyester



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