EZ-LIGHT™ K50LD Daylight Visible Indicators (AC) CEANINE



Datasheet

AC-Operated Indicators for Outdoor Applications

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 (2 in) diameter with flat profile and 30 mm (1.2 in) mounting base
- 85 V ac to 130 V ac operation

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

Model ¹	LED Function	Inputs	
K50LDGA120Q	1 Color: Green		
K50LDRA120Q	1 Color: Red		
K50LDYA120Q	1 Color: Yellow	85 to 130 V ac	
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.

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

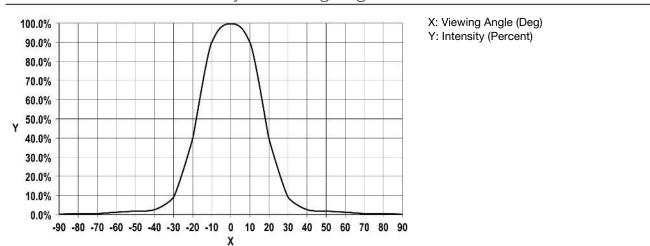
Operating Conditions

-40 °C to +50 °C (-40 °F to +122 °F) 90% at +55 °C maximum relative humidity (non-condensing)

Certifications

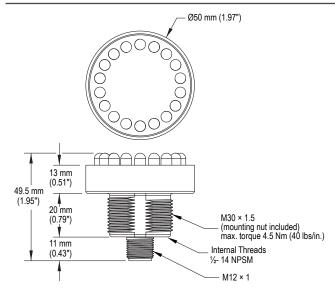


- To order the 2 m (6.5 ft) cable model, omit the suffix Q from model number (example, K50LDGA120).
- Models with a quick disconnect fitting require a mating cable (see Accessories list).

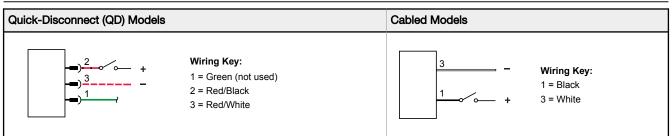


Percent of Maximum Intensity vs Viewing Angle

Dimensions



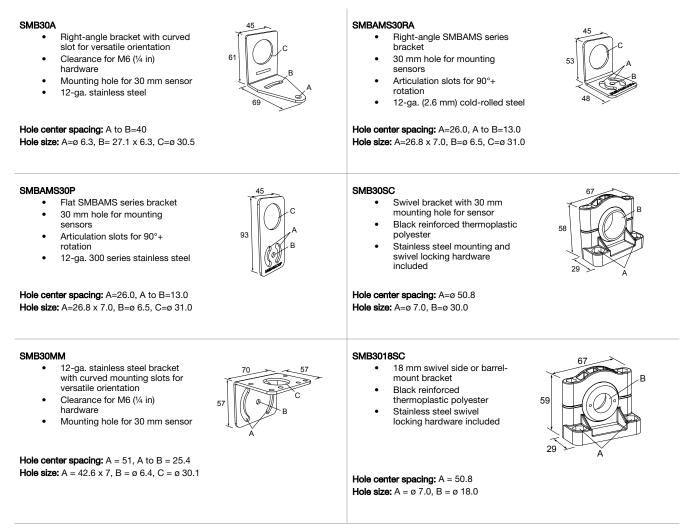
Wiring



Accessories

3-Pin Micro-Style Cordsets					
Model	Length	Style	Dimensions	Pinout (Female)	
MQDC-306	1.83 m (6 ft)	Straight	42 Typ. 1/2-20 UNF-28 0 14.5	3 1 = Green 2 = Red/Black 3 = Red/White	
MQDC-315	4.57 m (15 ft)				
MQDC-330	9.14 m (30 ft)				
MQDC-306RA	1.83 m (6 ft)	Right-Angle	Right-Angle		
MQDC-315RA	4.57 m (15 ft)				
MQDC-330RA	9.14 m (30 ft)				

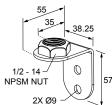
Mounting Brackets



LMBE12RA35

- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 35 mm

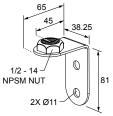
Hole center spacing: 20.0



LMBE12RA45

- Direct mounting of stand-off pipe, with common bracket type
- Zinc-plated steel
- 1/2-14 NPSM nut
- Mounting distance from the wall to the center of the 1/2-14 NPSM nut is 45 mm

Hole center spacing: 35.0



Sun Shield -- MASTER

K50DS

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



K90DS

- Use for enhanced visibility in direct sunlight conditions
- Polycarbonate



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