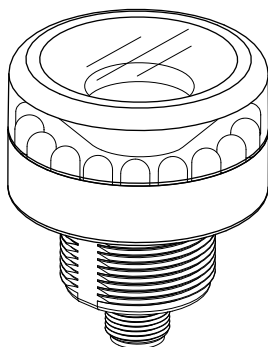


EZ-LIGHT® K50 Rotating and Strobing Beacon

Daylight-visible, general-purpose indicators for indoor or outdoor use

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



Features

- Intense levels of light output for areas with high ambient light — even outdoors
- Viewable around entire perimeter; strobing models also emit light from top
- Rotating and Strobing models
- Rugged, sealed thermoplastic housing rated for IP67 and IP69K
- Cabled and quick-disconnect models available
- 12 to 30V dc operation
- 12V dc operation useful for applications on mobile vehicles

Models

Model	Function	Connection	LED Color	Input Voltage
K50BLR1XGXPQ	Rotating	5-pin Euro Integral QD Connector	Green	12 to 30V dc
K50BLR1XRX PQ			Red	
K50BLR1XYXPQ			Yellow	
K50BLR1XBX PQ			Blue	
K50BCLS1XGXPQ	Strobing		Green	
K50BCLS1XRX PQ			Red	
K50BCLS1XYXPQ			Yellow	
K50BCLS1XBX PQ			Blue	

* Integral QD models only are listed.

- For 150 mm PVC pigtail with QD, replace **Q** with **QP** in model number (example, **K50BLR1XGXPQP**).
- For 2 m (6.5') cable, omit suffix **Q** from model number (example, **K50BLR1XGXP**).
- A model with a QD requires a mating cable (see [Accessory Cordsets](#) on page 3).

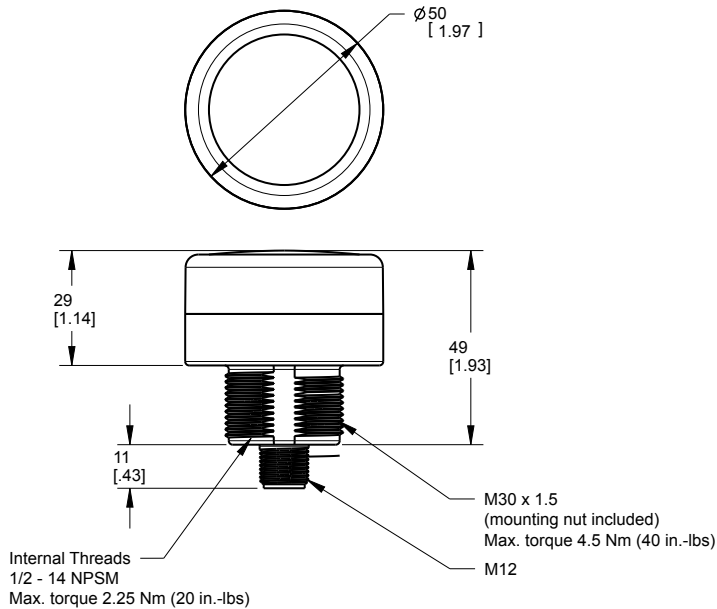


WARNING: Not To Be Used for Personnel Protection

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.



Dimensions



Specifications

Supply Voltage and Current

12-30V dc

Rotating models: 140 mA max. @ 12V dc, 70 mA max. @ 30V dc

Strobing models: 160 mA max. @ 12V dc, 100 mA max. @ 30V dc

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Indicators

LED colors are independently selected, depending on model

Indicator Power-Up Response Time

ON: 250 ms

Environmental Rating

Rated IEC IP67 and IP69K, per DIN 40050

Construction

Base and covers: polycarbonate

Connections

Integral 5-pin Euro-style QD or 2 m (6.5') integral cable, depending on model

Operating Conditions

-40° to +50° C (-40° to +122° F)

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

Vibration and Mechanical Shock

All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06", maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.

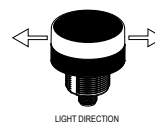
Certifications

Approvals are pending

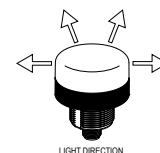
Application Note

Light emits 360° from housing sides and from housing top, some models

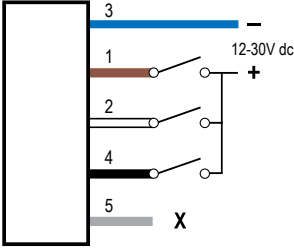
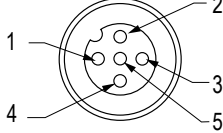
Rotating Models



Strobing Models



Wiring

Sourcing (PNP) Input	Pinout	Wiring Key:
		1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray (Not Used)

Rotating Models

Wire Color		Function
Blue (3)	0V dc	Common
Black (4)	+V dc	ON continuous
Brown (1)	+V dc	Rotating at 90 rpm
White (2)	+V dc	Rotating at 180 rpm

Strobing Models

Wire Color		Function
Blue (3)	0V dc	Common
Black (4)	+V dc	ON continuous
Brown (1)	+V dc	Single strobe at 1 Hz
White (2)	+V dc	Double strobe at 1 Hz

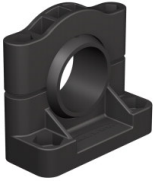
Accessory Cordsets

4-Pin Euro-Style Cordsets

4-Pin M12/Euro-Style Cordsets (straight connector)	4-Pin M12/Euro-Style Cordsets (right-angle connector)
MQDC-406, 2 m (6.5')	MQDC-406RA, 2 m (6.5')
MQDC-415, 5 m (15')	MQDC-415RA, 5 m (15')
MQDC-430, 9 m (30')	MQDC-430RA, 9 m (30')

Accessory Mounting Brackets

For further bracket information, see the Banner catalog or www.BannerEngineering.com

SMB30SC - Swivel bracket with 30 mm mounting hole - Black reinforced thermoplastic polyester - Stainless steel mounting and swivel locking hardware included 	SMB30A - Right-angle bracket with curved slot for versatile orientation - Clearance for M6 (1/4") hardware 30 mm mounting hole 12-ga. stainless steel 
SMB30MM 12-ga. stainless steel bracket with curved mounting slots for versatile orientation - Clearance for M6 (1/4") hardware 30 mm mounting hole 	SMB30FA - Swivel bracket with tilt and pan movement for precise adjustment 30 mm mounting hole 12-ga. 304 stainless steel - Easy sensor mounting to extrude rail T-slot 

LMB Sealed Right-Angle Bracket

Model	Description	Construction	
LMB30RA	Direct-Mount Models: Bracket kit with base, 30 mm adapter, set screw, fasteners, o-rings and gaskets	Black polycarbonate	
LMB30RAC		Gray polycarbonate	
LMBE12RA	Pipe-Mount Models: Bracket kit with base, 1/2-14 pipe adapter, set screw, fasteners, o-rings and gaskets. For use with stand-off pipe (listed and sold separately)	Black polycarbonate	
LMBE12RAC		Gray polycarbonate	

Elevated Mount System

Model			Features	Components
SA-M30E12			- Streamlined black acetal stand-off pipe adapter/cover - Connects between 30 mm light base and ½" NPSM/DN15 pipe - Mounting hardware included	
Polished 304 Stainless Steel	Black Anodized Aluminum	Clear Anodized Aluminum	- Elevated-use stand-off pipe (½" NPSM/ DN15) - Polished 304 stainless steel, black anodized aluminum, or clear anodized aluminum surface ½ NPT thread at both ends - Compatible with most industrial environments	
SOP-E12-150SS 150 mm (6") long	SOP-E12-150A 150 mm (6") long	SOP-E12-150AC 150 mm (6") long		
SOP-E12-300SS 300 mm (12") long	SOP-E12-300A 300 mm (12") long	SOP-E12-300AC 300 mm (12") long		
SOP-E12-900SS 900 mm (36") long	SOP-E12-900A 900 mm (36") long	SOP-E12-900AC 900 mm (36") long		
SA-E12M30			- Streamlined black acetal mounting base adapter/cover - Connects between ½" NPSM/DN15 pipe and 30 mm (1-3/16") drilled hole - Mounting hardware included	

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