

EZ-LIGHT™ Indicators — Daylight Visible



DC-Operated Indicators for Outdoor Applications

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



Contact Factory for more information

- 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
- Up to three colors in one housing
- Immune to ambient light, EMI and RFI interference
- 50 mm diameter with flat profile and 30 mm mounting base
- PNP (sourcing) or NPN (sinking) input type, depending on model
- 15 to 30V dc operation

Models



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

Model*	LED Function**	Inputs‡	Model*	LED Function**	Inputs‡
K50LDGRYPQ	3 Color: Green, Red, Yellow	PNP	K50LDXGXPQ	1 Color: Green	PNP/NPN
K50LDGRYNQ		NPN	K50LDXRX PQ	1 Color: Red	PNP/NPN
K50LDGRBPQ	3 Color: Green, Red, Blue	PNP	K50LDXYXPQ	1 Color: Yellow	PNP/NPN
K50LDGRBNQ		NPN	K50LDXWXPQ	1 Color: White	PNP/NPN
			K50LDXBXPQ	1 Color: Blue	PNP/NPN

* Integral QD models only are listed.

- For 150 mm PVC pigtail with QD, replace **Q** with **QP** in model number (example, **K50LDGRYPQP**).
- For 2 m (6.5') cable, omit suffix **Q** from model number (example, **K50LDGRYP**).
- A model with a QD requires a mating cable (see [4-Pin Euro-Style Cordsets](#) on page 4).

** **3-color models:** 6 LEDs per color

1-color models: 18 LEDs per color

Contact factory for other colors and color combinations.

‡ 1-color models are PNP/NPN selectable, depending on hookup.



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.



Specifications

Supply Voltage and Current

15 to 30V dc @ 120 mA max. (1-color models)
 15 to 30V dc @ 40 mA max. per LED color (3-color models)

NOTE: 12V dc minimum voltage to -20°C for both models

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Indicators

LED colors are independently selected, depending on model

Input Response Time

Indicator ON/OFF: 1 ms max.

Environmental Rating

Fully encapsulated, rated IEC IP67

Construction

Base and covers: polycarbonate

Connections

Integral 4-pin Euro-style QD, 150 mm PVC pigtail with QD, or 2 m (6.5') integral cable, depending on model

Operating Conditions

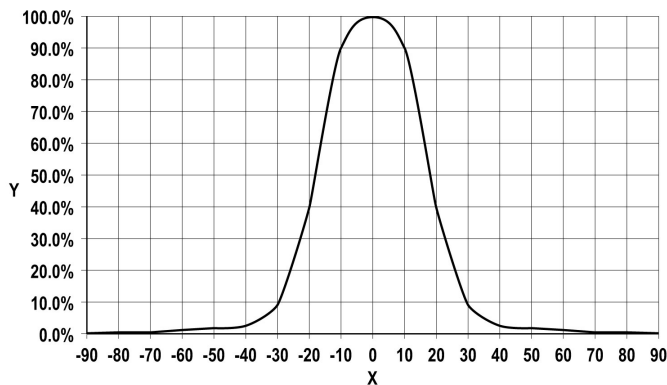
-40° to +50° C (-40° to +122° F)

90% @ 55° C max. relative humidity (non-condensing)

Certifications



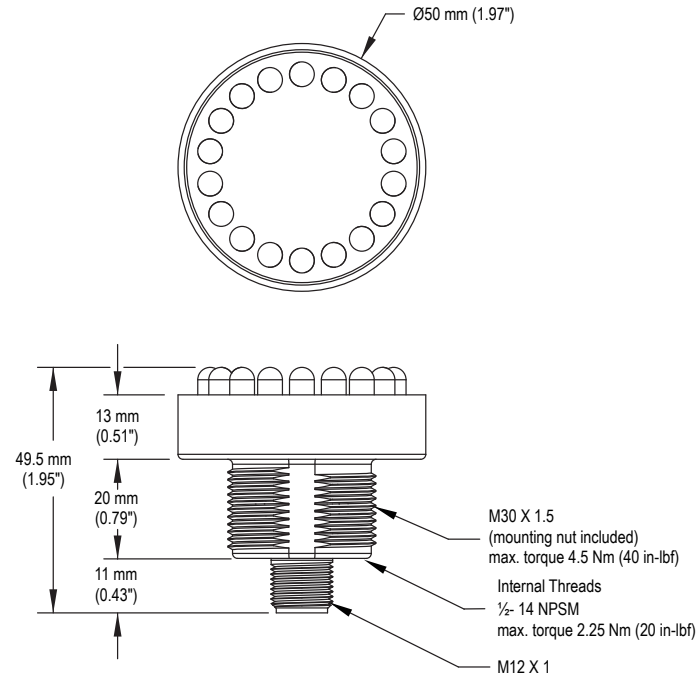
Percent of Maximum Intensity vs Viewing Angle



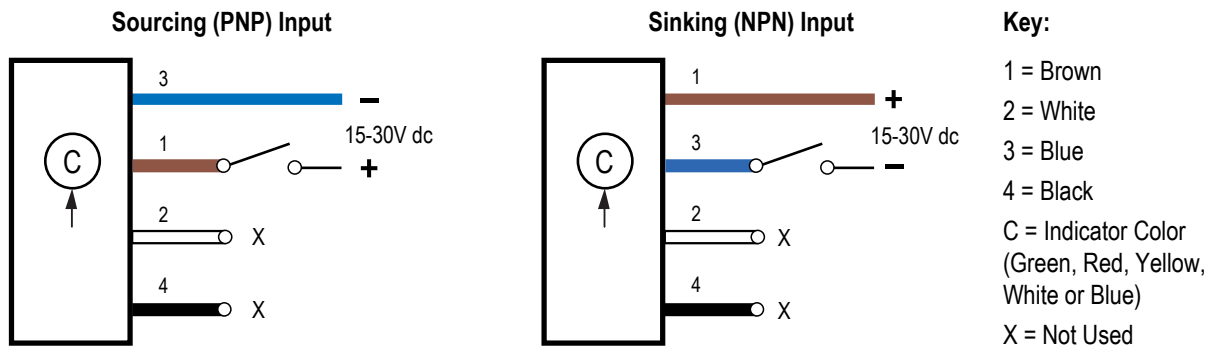
X: Viewing Angle (Deg)

Y: Intensity (Percent)

Dimensions

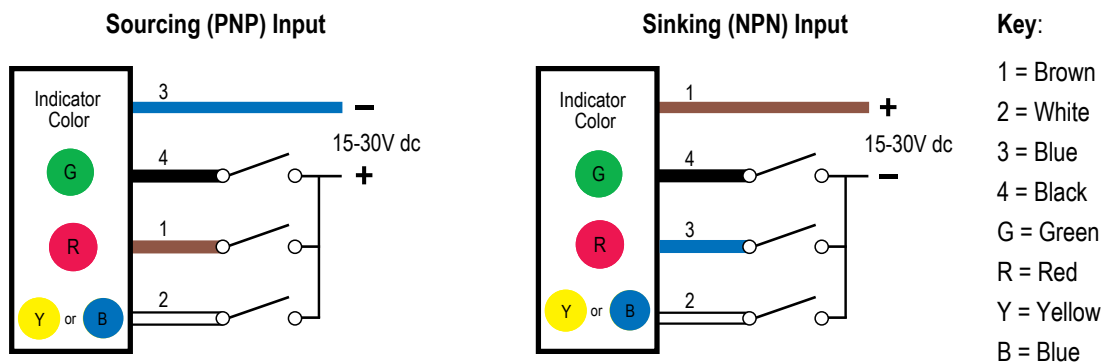


Wiring – 1-Color Models



NOTE: 1-color models are PNP/NPN selectable


Wiring – 3-Color Models



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')

Sun Shield

K50DS	<ul style="list-style-type: none"> • Use for enhanced visibility in desert sun brightness levels • Thermoplastic polyester 	
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Accessory Mounting Brackets

For more information about these and other available brackets, visit www.bannerengineering.com.

30 mm brackets mount to base of light:

- SMB30A
- SMBAMS30RA
- SMBAMS30P
- SMB30SC
- SMB30MM
- SMB3018SC

Contact Us

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