






# EZ-LIGHT™ 2- or 3-Color General-Purpose Indicators



DC-Operated LED Indicators with Two or Three Colors

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

	Models*		LED Function — 2 or 3 Lights, Independently Selected			Construction
	PNP Input	NPN Input	Color 1	Color 2	Color 3	
	T8LGRXPQP	T8LGRXNQP	Green	Red	—	<ul style="list-style-type: none"> <li>Polycarbonate/ABS alloy housing, thermoplastic diffuser</li> <li>IP67</li> </ul>
	T8LGXYPQP	T8LGXYNQP	Green	—	Yellow	
	T8LXRYPQP	T8LXRYNQP	—	Red	Yellow	
	M18GRXPQ	M18GRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>Nickel-plated brass housing, thermoplastic diffuser</li> <li>Fully encapsulated IP67</li> </ul>
	M18GXYPQ	M18GXYNQ	Green	—	Yellow	
	M18XRYPQ	M18XRYNQ	—	Red	Yellow	
	M18GRYPQ	M18GRYNQ	Green	Red	Yellow	
	T18GRXPQ	T18GRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>Thermoplastic polyester housing, thermoplastic diffuser</li> <li>Fully encapsulated IP67</li> </ul>
	T18GXYPQ	T18GXYNQ	Green	—	Yellow	
	T18XRYPQ	T18XRYNQ	—	Red	Yellow	
	T18GRYPQ	T18GRYNQ	Green	Red	Yellow	
	T30GRXPQ	T30GRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>Thermoplastic polyester housing, thermoplastic diffuser</li> <li>Fully encapsulated IP67</li> </ul>
	T30GXYPQ	T30GXYNQ	Green	—	Yellow	
	T30XRYPQ	T30XRYNQ	—	Red	Yellow	
	T30GRYPQ	T30GRYNQ	Green	Red	Yellow	
	K30LGRXPQ	K30LGRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>22 mm threaded polycarbonate base, translucent polycarbonate dome</li> <li>Fully encapsulated</li> <li>IP67, IP69K</li> </ul>
	K30LGXYPQ	K30LGXYNQ	Green	—	Yellow	
	K30LXRYPQ	K30LXRYNQ	—	Red	Yellow	
	K30LGRYPQ	K30LGRYNQ	Green	Red	Yellow	



**NOTE:** More models on next page

\* A QD model requires a mating cable; see [4-Pin Euro-Style Cordsets](#) on page 4.

**T8L Models:** Standard pigtail QD models are listed. For integral 4-wire cable model, omit suffix **QP** (example, **T8LGRXP**).

**K80L Models:** Standard 4-pin Euro integral QD connector models are listed. For terminal-wired model, omit suffix **Q** (example, **K80LGRXP**).

**Other Models:** Standard 4-pin Euro integral QD connector models are listed. For 2 m (6.5') integral 4-wire cable model, omit suffix **Q** (example, **M18GRXP**). For 150 mm (6") PVC pigtail with 4-pin Euro connector, replace suffix **Q** with **QP** (example, **M18GRXPQP**).

Contact Factory for other colors/color combinations, including: blue, white, orange.



Models*			LED Function — 2 or 3 Lights, Independently Selected			Construction
	PNP Input	NPN Input	Color 1	Color 2	Color 3	
	K50LGRXPQ	K50LGRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>• 30 mm polycarbonate base, translucent polycarbonate dome</li> <li>• Fully encapsulated</li> <li>• IP67, IP69K</li> </ul>
	K50LGXYPQ	K50LGXYNQ	Green	—	Yellow	
	K50LXRYPQ	K50LXRYNQ	—	Red	Yellow	
	K50LGRYPQ	K50LGRYNQ	Green	Red	Yellow	
	K50FLGRXPQ	K50FLGRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>• Polycarbonate base, translucent polycarbonate dome</li> <li>• Fully encapsulated</li> <li>• IP67, IP69K</li> </ul>
	K50FLGXYPQ	K50FLGXYNQ	Green	—	Yellow	
	K50FLXRYPQ	K50FLXRYNQ	—	Red	Yellow	
	K50FLGRYPQ	K50FLGRYNQ	Green	Red	Yellow	
	K80LGRXPQ	K80LGRXNQ	Green	Red	—	<ul style="list-style-type: none"> <li>• ABS and polycarbonate base, translucent polycarbonate dome</li> <li>• Electronics fully encapsulated</li> <li>• IP67</li> </ul>
	K80LGXYPQ	K80LGXYNQ	Green	—	Yellow	
	K80LXRYPQ	K80LXRYNQ	—	Red	Yellow	
	K80LGRYPQ	K80LGRYNQ	Green	Red	Yellow	

\* See page 1 for footnotes.

## Specifications

### Supply Voltage and Current

T8L models: 10 to 30V dc @ 20 mA max.  
 T18, M18, and K30L models: 10 to 30V dc @ 25 mA max. per LED color  
 T30 models: 10 to 30V dc @ 40 mA max. per LED color  
 K50L, K50FL, and K80L models: 18 to 30V dc @ 40 mA max. per LED color

### Indicators

Entire translucent diffuser or dome provides indication. LEDs are independently selected: Green, Red, or Yellow; 2 or 3 colors, depending on model. For other colors/combinations, contact Factory for availability.

### Input Response Time

Indicator ON/OFF: 1 ms max.

### Construction

See Models table.

### Connections

T8L models: 4-pin Euro-style 150 mm (6") pigtail QD (QP) or 4-wire, 2 m (6.5') integral cable, depending on model  
 K80L models: 4-pin Euro-style integral QD (Q) standard; terminal-wired models available for use with bulk cable; compression fitting optional. Contact Factory for cable information.

Other models: 4-pin Euro-style integral QD (Q), 150 mm (6") pigtail QD (QP), or 4-wire, 2 m (6.5') integral cable, depending on model

### Environmental Rating

Rated IEC IP67. T8L not encapsulated; K80L has encapsulated electronics only; other models fully encapsulated. K30L, K50L, and K50FL QD models meet IP69K, per DIN 40050-9. Cabled models also meet IP69K IF the cable and cable entrance are protected from high-pressure spray.

### Operating Conditions

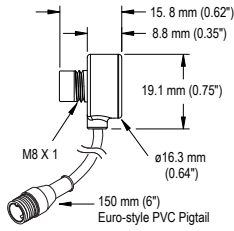
-40° to +50° C (-40° to +122° F)

### Certifications

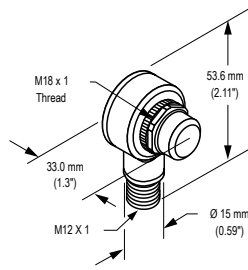
All models: CE; K30L and K50L models: UL

## Dimensions

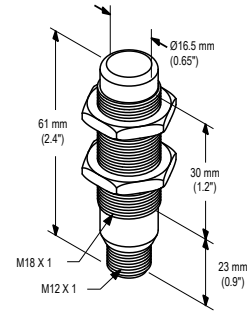
**T8L Models**



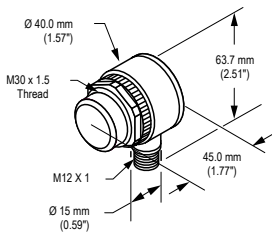
**T18 Models**



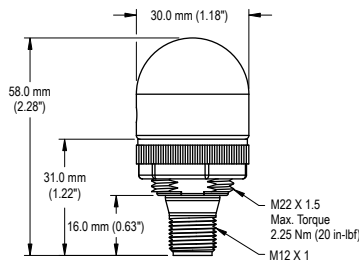
**M18 Models**



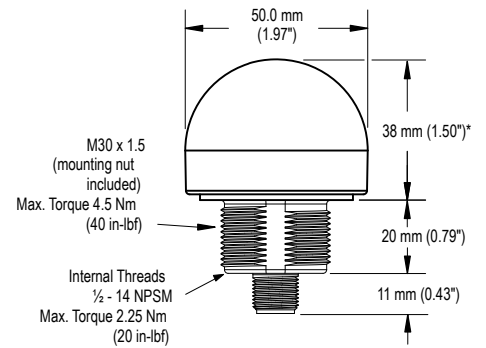
**T30 Models**



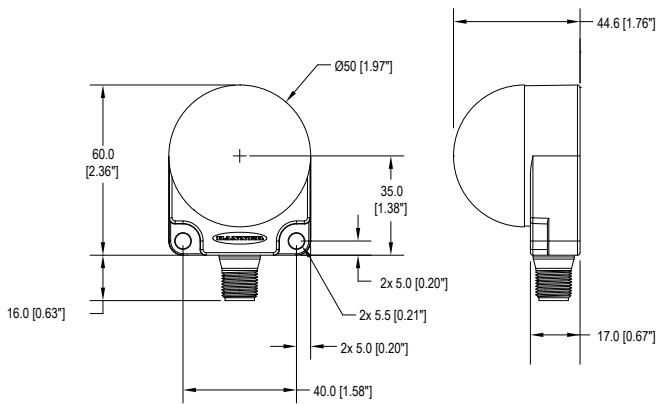
**K30L Models**



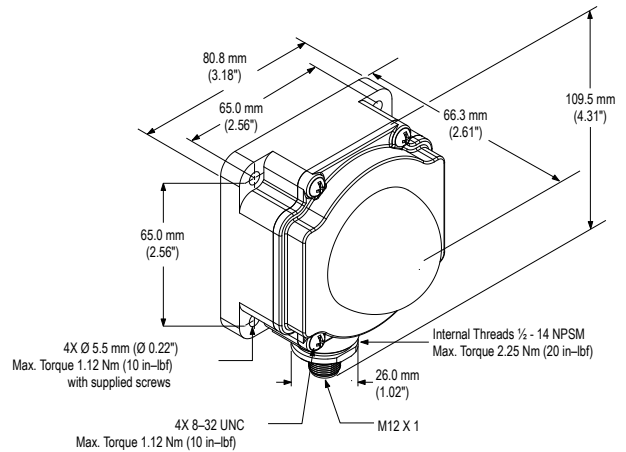
**K50L Models**



**K50FL Models**

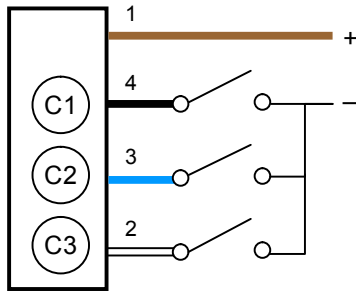


**K80L Models**

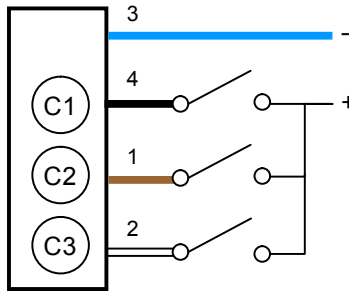


## Wiring

### NPN Models



### PNP Models



### Wiring Key:

1 = Brown  
2 = White  
3 = Blue  
4 = Black

### Color Key:

C1 = Color 1  
C2 = Color 2  
C3 = Color 3

## 4-Pin Euro-Style Cordsets

### 4-Pin M12/Euro-Style Cordsets (straight connector)

MQDC-406, 2 m (6.5')

MQDC-415, 5 m (15')

MQDC-430, 9 m (30')

### 4-Pin M12/Euro-Style Cordsets (right-angle connector)

MQDC-406RA, 2 m (6.5')

MQDC-415RA, 5 m (15')

MQDC-430RA, 9 m (30')

## Contact Us

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