

# 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,<br>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  |                                                                                                                                                                      |
|                                                                                     | T8LXRYQPQP | 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  |                                                                                                                                                                      |
|                                                                                     | M18XRYQPQ  | 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  |                                                                                                                                                                      |
|                                                                                     | T18XRYQPQ  | 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  |                                                                                                                                                                      |
|                                                                                     | T30XRYQPQ  | 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  |                                                                                                                                                                      |
|                                                                                     | K30LXRYQPQ | 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,<br>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  |                                                                                                                                                                          |
|                                                                                   | K50LXRYQPQ  | 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  |                                                                                                                                                                          |
|                                                                                   | K50FLXRYQPQ | 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  |                                                                                                                                                                          |
|                                                                                   | K80LXRYQPQ  | 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

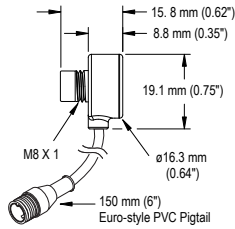
–40° to +50° C (–40° to +122° F)

### Certifications

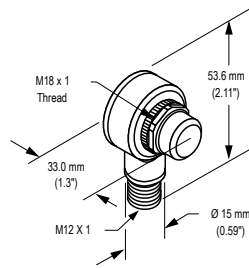
All models: CE; K30L and K50L models: UL

## Dimensions

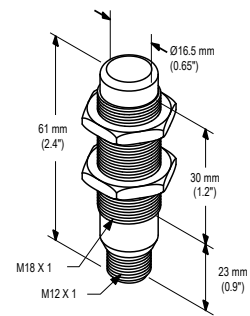
**T8L Models**



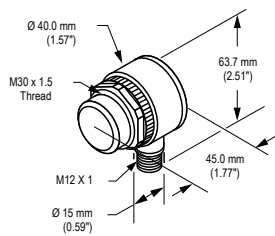
**T18 Models**



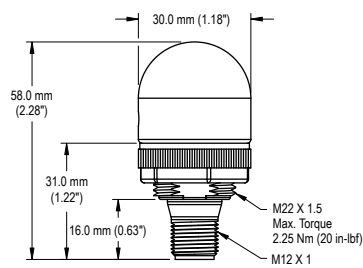
**M18 Models**



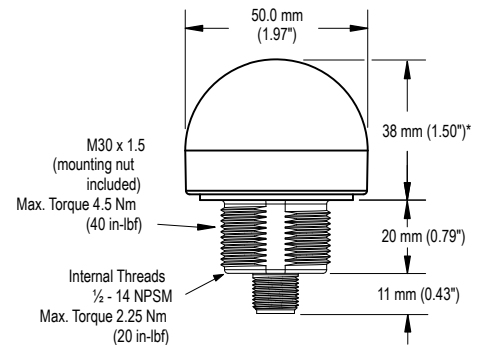
**T30 Models**



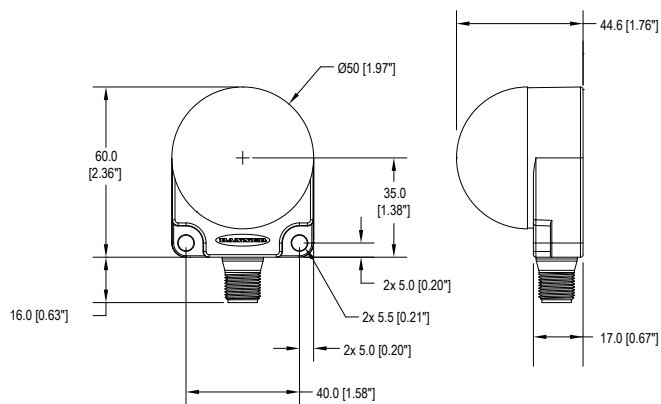
**K30L Models**



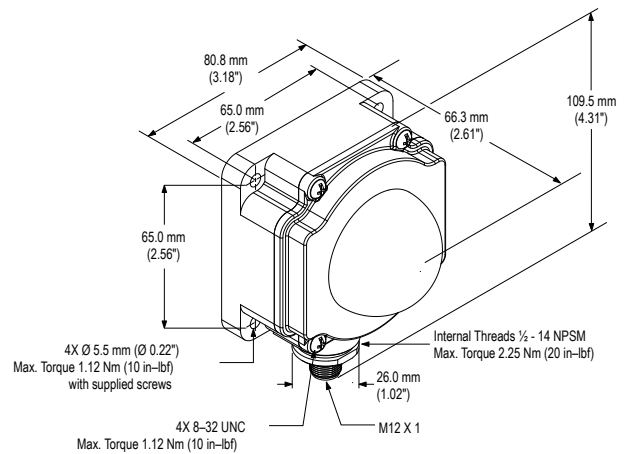
**K50L Models**



**K50FL Models**

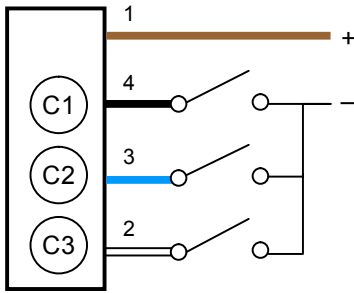


**K80L Models**

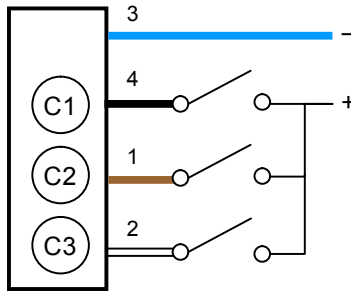


## Wiring

### 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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