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*.

Models*			LED Function — 2 or 3 Lights, Independently Selected			Construction
	PNP Input	NPN Input	Color 1	Color 2	Color 3	
	T8LGRXPQP	T8LGRXNQP	Green	Red	—	• Polycarbonate/ABS alloy housing, thermoplastic diffuser • IP67
	T8LGXYPQP	T8LGXYNQP	Green	—	Yellow	
	T8LXRYPQP	T8LXRYNQP	—	Red	Yellow	
	M18GRXPQ	M18GRXNQ	Green	Red	—	• Nickel-plated brass housing, thermoplastic diffuser • Fully encapsulated IP67
	M18GXYPQ	M18GXYNQ	Green	—	Yellow	
	M18XRYPQ	M18XRYNQ	—	Red	Yellow	
	M18GRYPQ	M18GRYNQ	Green	Red	Yellow	
	T18GRXPQ	T18GRXNQ	Green	Red	—	• Thermoplastic polyester housing, thermoplastic diffuser • Fully encapsulated IP67
	T18GXYPQ	T18GXYNQ	Green	—	Yellow	
	T18XRYPQ	T18XRYNQ	—	Red	Yellow	
	T18GRYPQ	T18GRYNQ	Green	Red	Yellow	
	T30GRXPQ	T30GRXNQ	Green	Red	—	• Thermoplastic polyester housing, thermoplastic diffuser • Fully encapsulated IP67
	T30GXYPQ	T30GXYNQ	Green	—	Yellow	
	T30XRYPQ	T30XRYNQ	—	Red	Yellow	
	T30GRYPQ	T30GRYNQ	Green	Red	Yellow	
	K30LGRXPQ	K30LGRXNQ	Green	Red	—	• 22 mm threaded polycarbonate base, translucent polycarbonate dome • Fully encapsulated • IP67, IP69K
	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 Accessories list.

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	—	• 30 mm polycarbonate base, translucent polycarbonate dome • Fully encapsulated • IP67, IP69K
	K50LGXYPQ	K50LGXYNQ	Green	—	Yellow	
	K50LXRYPQ	K50LXRYNQ	—	Red	Yellow	
	K50LGRYPQ	K50LGRYNQ	Green	Red	Yellow	
	K50FLGRXPQ	K50FLGRXNQ	Green	Red	—	• Polycarbonate base, translucent polycarbonate dome • Fully encapsulated • IP67, IP69K
	K50FLGXYPQ	K50FLGXYNQ	Green	—	Yellow	
	K50FLXRYPQ	K50FLXRYNQ	—	Red	Yellow	
	K50FLGRYPQ	K50FLGRYNQ	Green	Red	Yellow	
	K80LGRXPQ	K80LGRXNQ	Green	Red	—	• ABS and polycarbonate base, translucent polycarbonate dome • Electronics fully encapsulated • IP67
	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 at 20 mA max.

T18, M18, and K30L models: 10 to 30V dc at 25 mA max. per LED color

T30 models: 10 to 30V dc at 40 mA max. per LED color

K50L, K50FL, and K80L models: 18 to 30V dc at 40 mA max. per LED color

Indicators

Entire translucent diffuser or dome provides indication. Green and Yellow, when connected to discrete output of 3-wire or 4-wire sensors. For other colors, contact Factory for availability

Input Response Time

Indicator ON/OFF: 1 ms max.

Construction

See Models lists

Connections

T8L models: 4-pin Euro-style 150 mm (5.9 in) pigtail QD (QP) or 4-wire, 2 m (6.5 ft) 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), 5.9 in. pigtail QD (QP), or 4-wire, 2 m (6.5 ft) 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

Temperature: −40 °C to +50 °C (−40 °F to +122 °F)

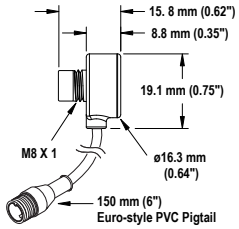
Certifications

K30L and K50L models: UL LISTED

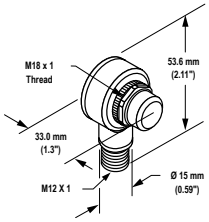
Other models: CE

Dimensions

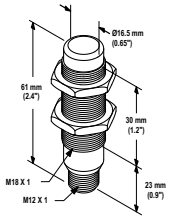
T8L Models



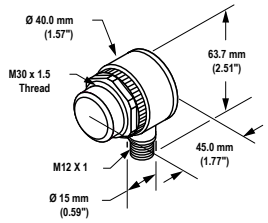
T18 Models



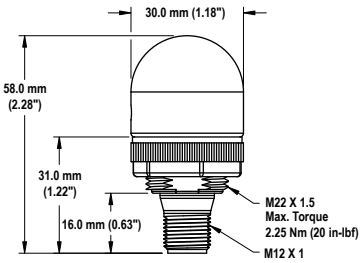
M18 Models



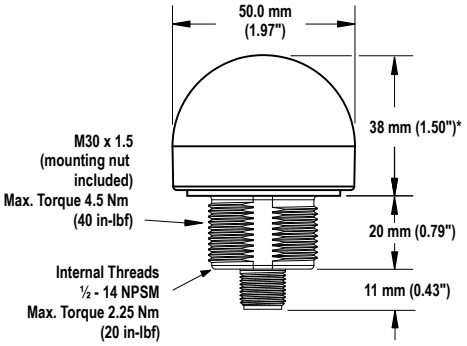
T30 Models



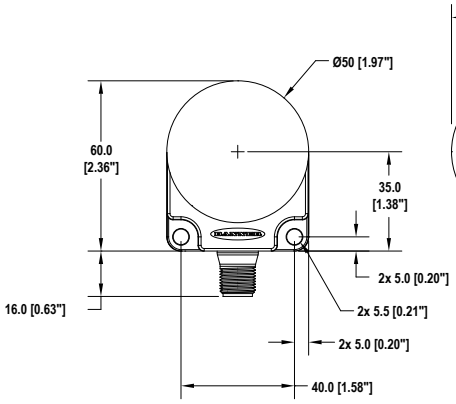
K30L Models

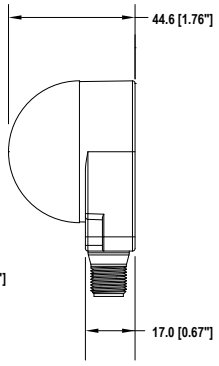


K50L Models

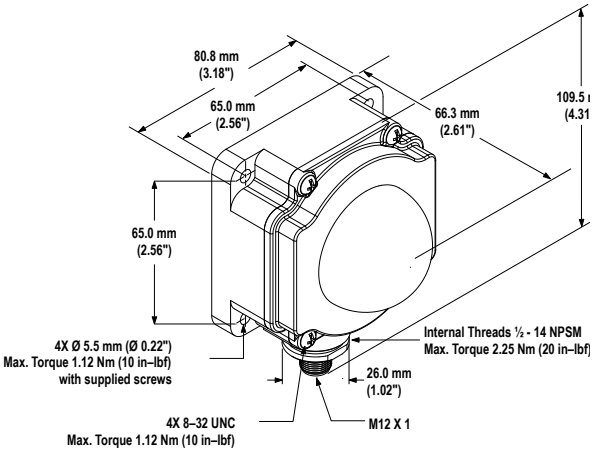


K50FL Models



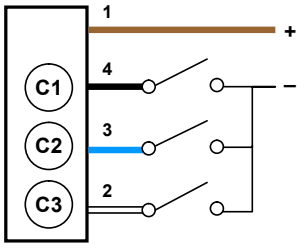


K80L Models

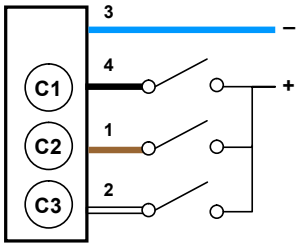


Multi Color Wiring

NPN



PNP



Wiring Key:

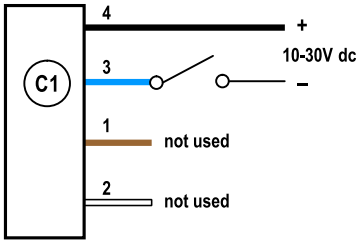
1 = Brown
2 = White
3 = Blue
4 = Black

Color Key:

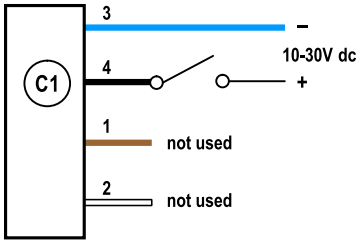
C1 = Color 1
C2 = Color 2
C3 = Color 3

Single Color Wiring

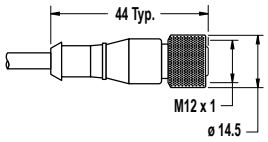
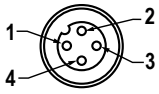
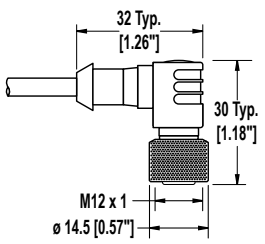
NPN



PNP



Accessories

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout
MQDC-406	1.83 m (6 ft)	Straight		 1 = Brown 2 = White 3 = Blue 4 = Black
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)			
MQDC-406RA	1.83 m (6 ft)	Right-Angle		
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

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