EZ-LIGHT[™] 2-Color Indicators for Use with Sensors



Datasheet

DC-operated LED indicators

To view or download the latest technical information about this product, including specifications, dimensions, accessories, and wiring, see www.bannerengineering.com.

Models		Inputs	Models			
	T8LGYX7PQP	PNP	K30LGYX7PQ	PNP		
	T8LGYX7NQP	NPN	K30LGYX7NQ	NPN		
T	 Polycarbonate/ABS alloy housing, thermoplastic diffuser IP67 		 22 mm threaded polyca translucent polycarbona Fully encapsulated IP67 	te dome		
	M18GYX7PQ	PNP	T			
Ca	M18GYX7NQ	NPN	K50LGYX7PQ	PNP		
	 Nickel-plated brass housing, thermoplastic diffuser 		K50LGYX7NQ	NPN		
	Fully encapsulated IP67 T18GYX7PQ	PNP	30 mm threaded polycarbonate base, translucent polycarbonate dome			
	T18GYX7NQ	NPN				
	 Thermoplastic polyester housing, thermoplastic diffuser Fully encapsulated IP67 		K50FLGYX7PQ	PNP		
T			K50FLGYX7NQ	NPN		
	T30GYX7PQ	PNP		 Polycarbonate base, translucent polycarbonate dome Fully encapsulated IP67, IP69K 		
	T30GYX7NQ	NPN				
	 Thermoplastic polyester housing, thermoplastic diffuser Fully encapsulated IP67 		K80LGYX7PQ	PNP		
			K80LGYX7NQ	NPN		
			ABS and polycarbonate polycarbonate dome Electronics fully encapse			

A QD model requires a mating cable; see Cordsets (p. 3).

T8L Models: Standard pigtail QD models are listed. To order the integral 4-wire cable model, omit suffix QP (for example, T8LGYX7P).

K80L Models: Standard 4-pin Euro integral QD connector models are listed. To order the terminal-wired model, omit suffix Q (for example, K80LGYX7P).

Other Models: Standard 4-pin Euro integral QD connector models are listed. To order the 2 m (6.5 ft) integral 4-wire cable model, omit suffix Q (example, M18GYX7P). To order the 150 mm (5.9 in) PVC pigtail with 4-pin Euro connector, replace suffix Q with QP (for example, M18GYX7PQP).

Contact the factory for other colors/color combinations, including: blue, white, and orange.

Specifications

Supply	Voltage	and	Current
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- T8L models: 10 V dc to 30 V dc at 20 mA maximum T18, M18, and K30L models: 10 V dc to 30 V dc at 25 mA maximum per LED color T30 models: 10 V dc to 30 V dc at 40 mA maximum per LED color K50L, K50FL, and K80L models: 18 V dc to 30 V dc at 40 mA maximum 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.

Connections

- nnections T8L models: 4-pin M12/Euro-style 150 mm (6 in) PVC cable with QD (QP) or 4-wire, 2 m (6.5 ft) integral cable, depending on model K30L models: 4-pin M12/Euro-style QD (Q), 150mm (6") PVC cable with QD (QP), 4-wire, 2 m (6.5 ft) integral cable, or 5 color-coded screw terminal for up to 16 AWG wire, depending on model. Screw terminal max torque: 0.11N-m (1.0lbr-in). K30L models: 4-pin M12/Euro-style integral QD (Q)standard; terminal-wired models available for use with bulk cable; compression fitting optional. Contact Factory for cable information. cable information

(QP), or 4-wire, 2 m (6.5 ft) integral cable, depending on model Construction

See Models lists



Environmental Rating Rated IEC IP67. T8L not encapsulated; K80L has encapsulated electronics only; other

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Operating Conditions

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



K30L and K50L models only:

Required Overcurrent Protection

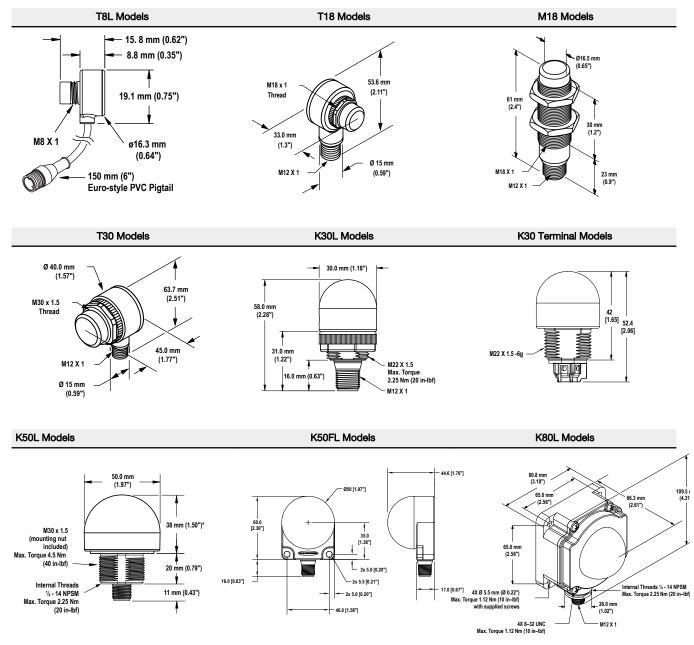


WARNING: Electrical connections must be made by qualified personnel in accordance with local and national electrical codes and regulations.

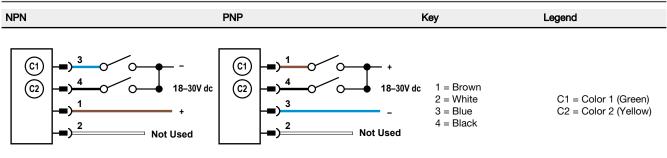
Overcurrent protection is required to be provided by end product application per the supplied table. Overcurrent protection may be provided with external fusing or via Current Limiting, Class 2 Power Supply. Supply wiring leads < 24 AWG shall not be spliced. For additional product support, go to *www.bannerengineering.com*.

Supply Wiring (AWG)	Required Overcurrent Protection (Amps)	
20	5.0	
22	3.0	
24	2.0	
26	1.0	
28	0.8	
30	0.5	

Dimensions



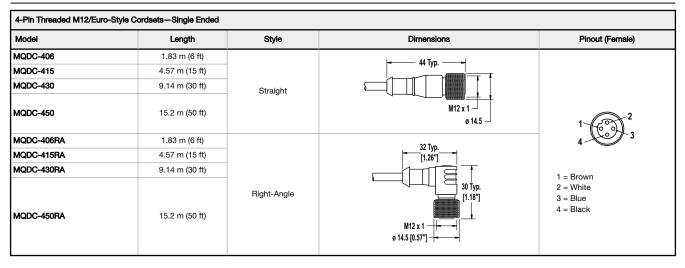




Color 2 overrides Color 1

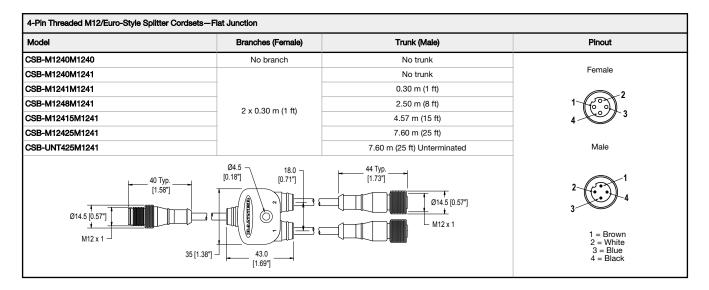
Color 2 overrides Color 1

Cordsets



4-Pin Threaded M12/Euro-Style Cordsets – Double Ended				
Model	Length	Style	Dimensions	Pinout
MQDEC-401SS	0.31 m (1 ft)			Female
MQDEC-403SS	0.91 m (3 ft)	Male Straight/Female Straight		
MQDEC-406SS	1.83 m (6 ft)			
MQDEC-412SS	3.66 m (12 ft)			
MQDEC-420SS	6.10 m (20 ft)			-
MQDEC-430SS	9.14 m (30 ft)			Male
MQDEC-450SS	15.2 m (50 ft)			
				1 = Brown 2 = White 3 = Blue 4 = Black

4-Pin Threaded M12/Euro-Style Cordsets – Double Ended				
Model	Length	Style	Dimensions	Pinout
MQDEC-403RS	0.91 m (1 ft)	Male Right-Angle/ Female Straight	32 Typ. [1.26"] 30 Typ. [1.18"] 0 14.5 [0.57"] 44 Typ. [1.73"] M12 x 1	
MQDEC-406RS	1.83 m (3 ft)			
MQDEC-412RS	3.66 m (12 ft)			
MQDEC-420RS	6.10 m (20 ft)			
MQDEC-430RS	9.14 m (30 ft)			
MQDEC-450RS	15.2 m (50 ft)			



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