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For further assistance, contact a Banner Engineering Applications Engineer at (763) 544-3164 or (888) 373-6767.



Models

Models			Construction	Connector*	LED Function – Lights Independently Selected			Inputs
					Color 1	Color 2	Color 3	
Two LED Colors		T8LGRXPQP	Polycarbonate/ABS alloy housing, thermoplastic diffuser. IP67	150 mm (6") PVC pigtail with 4-pin Euro QD connector	Green	Red	–	PNP (Sourcing)
		T8LGRXNQP						NPN (Sinking)
		T8LGXYPQP						PNP (Sourcing)
		T8LGXYNQP						NPN (Sinking)
		T8LXRYQPQ						PNP (Sourcing)
		T8LXRYNQP						NPN (Sinking)
		M18GRXPQ	Nickel-plated brass housing, thermoplastic diffuser. Fully encapsulated IP67	4-pin Euro integral QD connector	Green	Red	–	PNP (Sourcing)
		M18GRXNQ						NPN (Sinking)
		M18GXYPQ						PNP (Sourcing)
		M18GXYNQ						NPN (Sinking)
		M18XRYPQ						PNP (Sourcing)
		M18XRYNQ						NPN (Sinking)
		T18GRXPQ	Thermoplastic polyester housing, thermoplastic diffuser. Fully encapsulated IP67		Green	Red	–	PNP (Sourcing)
		T18GRXNQ						NPN (Sinking)
		T18GXYPQ						PNP (Sourcing)
		T18GXYNQ						NPN (Sinking)
		T18XRYPQ						PNP (Sourcing)
		T18XRYNQ						NPN (Sinking)
		T30GRXPQ	Fully encapsulated IP67		Green	Red	–	PNP (Sourcing)
		T30GRXNQ						NPN (Sinking)
		T30GXYPQ						PNP (Sourcing)
		T30GXYNQ						NPN (Sinking)
		T30XRYPQ						PNP (Sourcing)
		T30XRYNQ						NPN (Sinking)
		K30LGRXPQ	22 mm threaded polycarbonate base, translucent polycarbonate dome. Fully encapsulated IP67, IP69K		Green	Red	–	PNP (Sourcing)
		K30LGRXNQ						NPN (Sinking)
		K30LGXYPQ						PNP (Sourcing)
		K30LGXYNQ						NPN (Sinking)
		K30LXRYPQ						PNP (Sourcing)
		K30LXRYNQ						NPN (Sinking)
		K50LGRXPQ	30 mm threaded polycarbonate base, translucent polycarbonate dome. Fully encapsulated IP67, IP69K		Green	Red	–	PNP (Sourcing)
		K50LGRXNQ						NPN (Sinking)
		K50LGXYPQ						PNP (Sourcing)
		K50LGXYNQ						NPN (Sinking)
		K50LXRYPQ						PNP (Sourcing)
		K50LXRYNQ						NPN (Sinking)
		K50FLGRXPQ	Polycarbonate base, translucent polycarbonate dome. Fully encapsulated IP67, IP69K		Green	Red	–	PNP (Sourcing)
		K50FLGRXNQ						NPN (Sinking)
		K50FLGXYPQ						PNP (Sourcing)
		K50FLGXYNQ						NPN (Sinking)
		K50FLXRYPQ						PNP (Sourcing)
		K50FLXRYNQ						NPN (Sinking)
		K80LGRXPQ	ABS and polycarbonate base, translucent polycarbonate dome. Electronics fully encapsulated IP67		Green	Red	–	PNP (Sourcing)
		K80LGRXNQ						NPN (Sinking)
		K80LGXYPQ						PNP (Sourcing)
		K80LGXYNQ						NPN (Sinking)
		K80LXRYPQ						PNP (Sourcing)
		K80LXRYNQ						NPN (Sinking)

Additional models shown on page 2.

EZ-LIGHT™ – General-Purpose Indicators with Two or Three Colors

Models			Construction	Connector*	LED Function – Lights Independently Selected			Inputs
					Color 1	Color 2	Color 3	
Three LED Colors		M18GRYPQ	Nickel-plated brass housing, thermoplastic diffuser.	4-pin Euro integral QD connector	Green	Red	Yellow	PNP (Sourcing)
		M18GRYNQ	Fully encapsulated IP67					NPN (Sinking)
		T18GRYPQ	Thermoplastic polyester housing, thermoplastic diffuser.					PNP (Sourcing)
		T18GRYNQ	Fully encapsulated IP67					NPN (Sinking)
		T30GRYPQ	Fully encapsulated IP67					PNP (Sourcing)
		T30GRYNQ	Fully encapsulated IP67					NPN (Sinking)
		K30LGRYPQ	22 mm threaded polycarbonate base, translucent polycarbonate dome.					PNP (Sourcing)
		K30LGRYNQ	Fully encapsulated IP67, IP69K					NPN (Sinking)
		K50LGRYPQ	30 mm threaded polycarbonate base, translucent polycarbonate dome.					PNP (Sourcing)
		K50LGRYNQ	Fully encapsulated IP67, IP69K					NPN (Sinking)
		K50FLGRYPQ	Polycarbonate base, translucent polycarbonate dome.					PNP (Sourcing)
		K50FLGRYNQ	Fully encapsulated IP67, IP69K					NPN (Sinking)
		K80LGRYPQ	ABS and polycarbonate base, translucent polycarbonate dome.					PNP (Sourcing)
		K80LGRYNQ	Electronics fully encapsulated IP67					NPN (Sinking)

* **T8L Models:** Standard pigtail QD models are listed (mating cable required; see page 3). For integral 4-wire 2 m (6.5') cable model, omit suffix "QP" (e.g., "T8LGRXP").

K80L Models: Standard 4-pin Euro integral QD connector models are listed (mating cable required; see page 3). For terminal-wired model, omit suffix "Q" (e.g., "K80LGRXP").

Other Models: Standard 4-pin Euro integral QD connector models are listed (mating cable required; see page 3). For 2 m (6.5') integral 4-wire cable model, omit suffix "Q" (e.g., "M18GRXP"). For 150 mm (6") PVC pigtail with 4-pin Euro connector, replace suffix "Q" with "QP" (e.g., "M18GRXPQP").

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

Specifications

Supply Voltage and Current

T8 Models: 10 to 30V dc @ 20 mA max. per LED color

K30L, T18 and M18 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, Yellow; 1, 2, or 3 colors, depending on model. For other colors/combinations, contact Factory for availability.

Environmental Rating

IEC IP67

T8L not encapsulated; K80L has encapsulated electronics only; other models fully encapsulated.

K50, 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.

Connections

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.

T8L Models: 4-pin Euro-style, 6" pigtail QD (QP), or 4-wire, 2 m (6.5') integral cable, depending on model

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

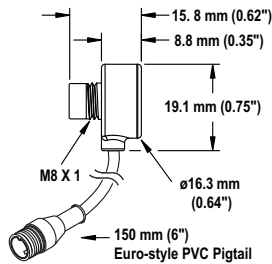
Operating Conditions

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

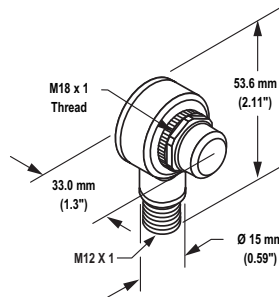
EZ-LIGHT™ – General-Purpose Indicators with Two or Three Colors

Dimensions

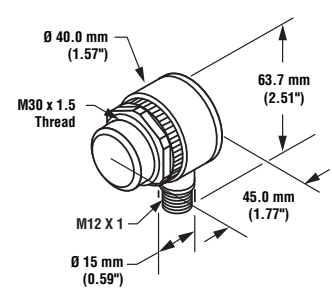
T8 Models



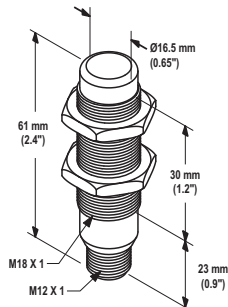
T18 Models



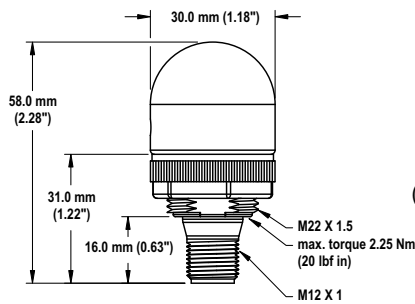
T30 Models



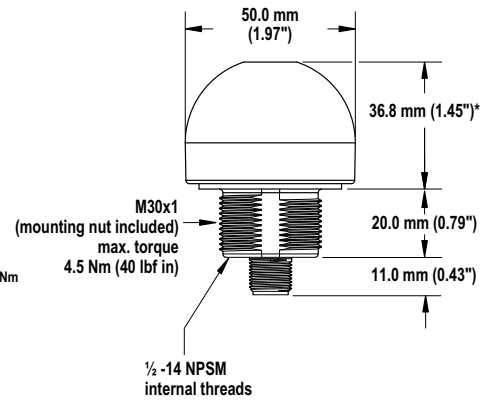
M18 Models



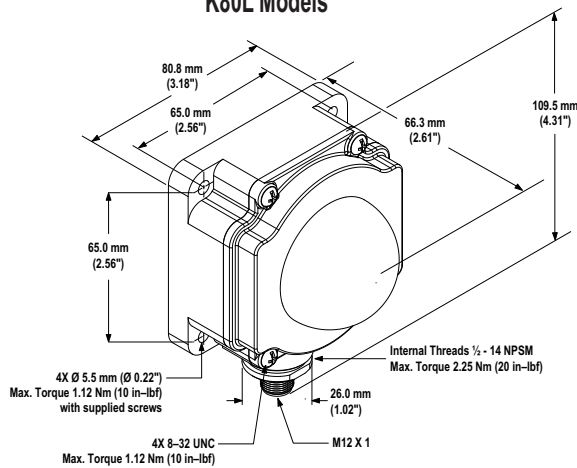
K30L Models



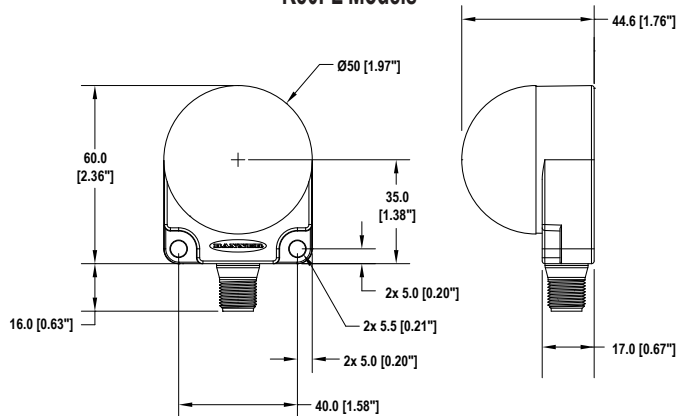
K50L Models



K80L Models

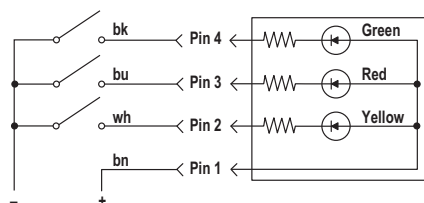


K50FL Models

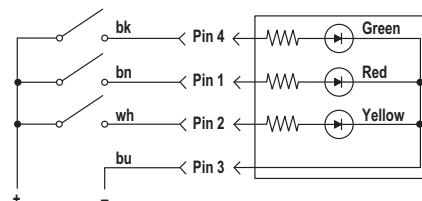


Hookups

NPN Models

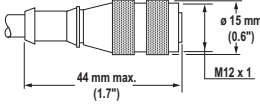
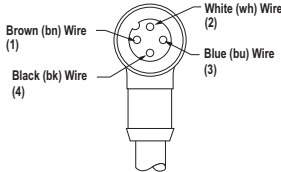
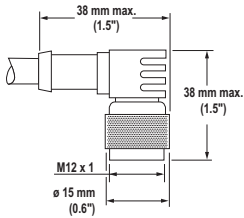


PNP Models



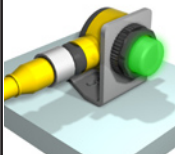
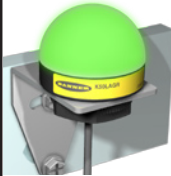
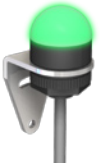
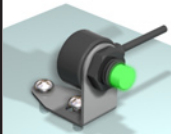
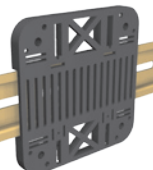
EZ-LIGHT™ – General-Purpose Indicators with Two or Three Colors

Quick-Disconnect (QD) Cordsets

Style	Model	Length	Dimensions	Pinout
4-pin Euro-style straight	MQDC-406 MQDC-415 MQDC-430	2 m (6.5') 5 m (15') 9 m (30')		
4-pin Euro-style right-angle	MQDC-406RA MQDC-415RA MQDC-430RA	2 m (6.5') 5 m (15') 9 m (30')		

Bulk cable for terminal-wired K80L models: Contact Factory.

Accessory Mounting Brackets*

SMB18A	- For use with M18 and T18 models or base-mount T30 models 12-gauge, stainless steel, right-angle bracket, curved mounting slot for adjustable orientation - Clearance for M4 (#8) hardware		SMB30A	- For use with T30 models or base-mount K50L models 30 mm 12-gauge, 304 stainless steel, right-angle mounting bracket, curved mounting slot for adjustable orientation - Clearance for M5 (#10) hardware	
Other available 18 mm dia. brackets:	SMB1815SF SMB18Q SMB18SF SMB312PD SMBAMS18RA SMBAMS18P		Other available 30 mm dia. brackets:	SMBAMS30RA SMBAMS30P SMB30SC SMB30SC SMB30MM SMB3018SC	
SMB22A	- For use with base-mount K30L models 12-gauge, stainless steel, right-angle bracket, curved mounting slot for adjustable orientation - Clearance for M4 (#8) hardware		SMB8MM	- For use with T8L models - Right-angle bracket 300 series stainless steel	
			SMBDX80D	- DIN-mount bracket for K80L models - Hardware included to mount to K80L housing - ABS	

* K50FL models include a 48 mm (1.9") circular velcro mounting kit for easy mounting with no additional hardware

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WARRANTY: Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.