# EZ-LIGHT® K80FL

Large, Multicolor General-Purpose Solid ON or Flashing Indicator
For the latest technical information about this product, including specifications, dimensions, and wiring, see *www.BannerEngineering.com*
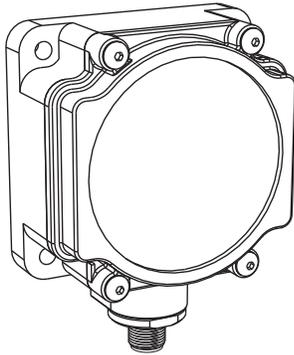
- Multicolor, single segment
- 1-, 2-, or 3-color models available; 9 available colors
- Bright, even light
- DIP switches adjust solid ON or flashing for each color
- Two user-selectable flash rates
- 12 to 30V dc operation
- Flat-mount

Models

Family	Color 1	Color 2	Color 3	Input	Connector*
K80FL	G	Y	R	P	Q
MODEL KEY	G = Green R = Red Y = Yellow B = Blue W = White O = Orange T = Turquoise V = Violet M = Magenta X = No color in this position			P = PNP	Q = 4-pin Euro QD Blank = terminal wired QP = Euro Pigtail QD

Example Model	# of LED Colors	LED Indicators	Connection
K80FLGXXPQ	1	Green	4-pin Euro QD Connector
K80FLRXXPQ		Red	
K80FLGRXP	2	Green, Red	Terminal wired
K80FLGYXP		Green, Yellow	
K80FLGRYPQP	3	Green, Red, Yellow	Euro Pigtail QD Connector

⚠️ **WARNING: Not To Be Used for Personnel Protection**
Never use this product as a sensing device for personnel protection. Doing so could lead to serious injury or death. This product does NOT include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A sensor failure or malfunction can cause either an energized or de-energized sensor output condition.

Specifications

Supply Voltage and Current
12V dc @ 140 mA max.
30V dc @ 60 mA max.

Indicators
1, 2, or 3 colors, depending on model

Input Response Time
10 ms max.

Adjustments
6-position Program DIP switch on the back of the indicator cover.

For normal operation, no adjustment should be necessary; these switches should remain all in the down position.

For alternate operation (flash functionality), see *Setup for Solid ON or Flash* on page 2

Construction
Base: polycarbonate
Translucent face: acrylic

Connections
Integral 4-pin Euro-style QD fitting; 150 mm (6") PVC pigtail with QD; or terminal-wired, depending on model. Optional ½-14 NPSM cord grip model BWA-CG.5-1.

Environmental Rating
IEC IP67

Operating Conditions
−40° to +50° C (−40° to +122° F)

Certifications

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Setup for Solid ON or Flash

NOTE: The Program DIP switch is located inside the K80FL cover.

Remove the four screws to remove the cover.
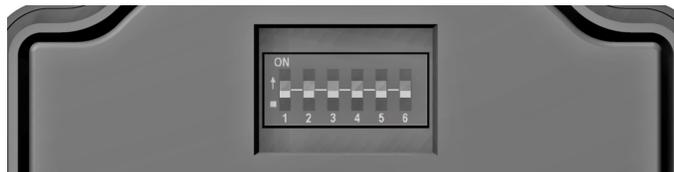
Switch Number	Position	Function		Switch Number	Position	Function
1	ON	No function		4	ON	Color 2 flash
	OFF				OFF	Color 2 solid ON
2	ON	No function		5	ON	Color 3 flash
	OFF				OFF	Color 3 solid ON
3	ON	Color 1 flash		6	ON	Flash rate 1 Hz
	OFF	Color 1 solid ON			OFF	Flash rate 2 Hz

Dimensions

80.8 mm (3.18")
65.0 mm (2.56")
41.0 mm (1.61")
109.5 mm (4.31")
65.0 mm (2.56")
Ø 66.0 mm (2.69")
Internal Threads ½ - 14 NPSM
Max. Torque 2.25 Nm (20 in–lbf)
4X Ø 5.5 mm (Ø 0.22")
Max. Torque 1.12 Nm (10 in–lbf)
with supplied screws
4X 8–32 UNC
Max. Torque 1.12 Nm (10 in–lbf)
M12 X 1
26.0 mm (1.02")

Hookups

Indicator Color
C1
C2
C3
3
4
1
2
12-30V dc
–
+
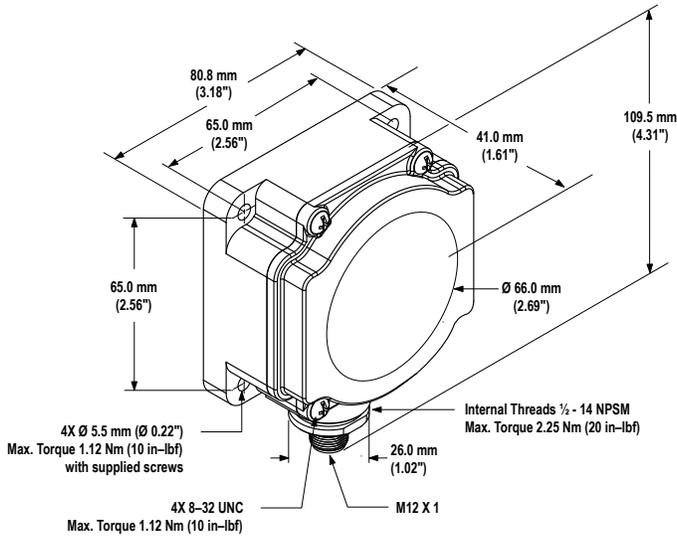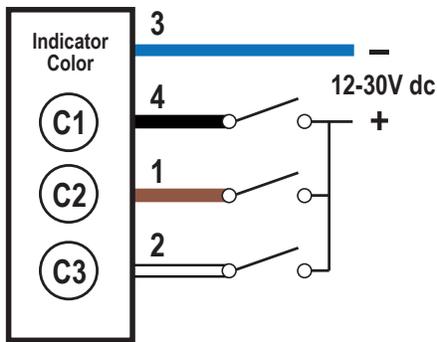
Wiring Key

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

4-Pin Euro-Style Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	**Length**	**Style**	**Dimensions**	**Pinout**
MQDC-406	1.83 m	Straight	ø 15 mm (0.6") 44 mm max. (1.7") M12 x 1	1 = Brown 2 = White 3 = Blue 4 = Black
MQDC-415	4.57 m			
MQDC-430	9.14 m			
MQDC-450	15.2 m			
MQDC-406RA	1.83 m	Right-Angle	38 mm max. (1.5") 38 mm max. (1.5") M12 x 1 ø 15 mm (0.6")	
MQDC-415RA	4.57 m			
MQDC-430RA	9.14 m			
MQDC-450RA	15.2 m			

Brackets

SMBDX80DIN

- Black reinforced thermo-plastic
- Bracket for mounting on 35 mm DIN rail

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89
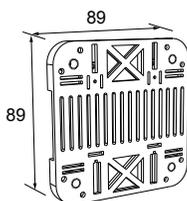
Accessory Quadrant Labels

Transparent self-adhesive cover labels for printing in a standard laser printer; print your own labels to easily identify each quadrant. Clear protective labels provide additional protection for laser print work in many industrial environments. Six labels per sheet; 5 sheets per package.

Model	Description	Size
SALK-K80L4-0	1-quadrant transparent laser label (includes 30 labels)	8.5" x 11"

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