EZ-LIGHT® S22 High Intensity Indicators

BANNER ®
more sensors, more solutions
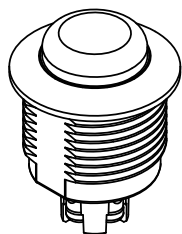
Datasheet

One-color dc-operated LED indicators with:

- M12 Euro connector models available for plug and play indication
- Wide 9 to 30 V dc operating range allows for use in battery powered mobile applications
- IP69K rated to withstand harsh wash-down environments
- Wide operating range of −40 °C to +60 °C (−40 °F to +140 °F)
- May also be used in task lighting or vision lighting applications
- Intense light level is viewable in direct sunlight

| Family	Color	Connector
S22DLH	B = Blue G = Green R = Red W = White Y = Yellow	Blank = 2 meter cable Q = 4-pin Euro-style QD QP = Euro-style pigtail QD T = Four screw terminals

Example Models	Indicator	Connector Type
S22DLHG	Green	2 meter cable
S22DLHWQ	White	4-pin Euro-style QD
S22DLHRQP	Red	Euro-style pigtail QD
S22DLHYT	Yellow	Four screw terminals

⚠️ WARNING: Not To Be Used for Personnel Protection

Never use this device as a sensing device for personnel protection. Doing so could lead to serious injury or death. This device 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.

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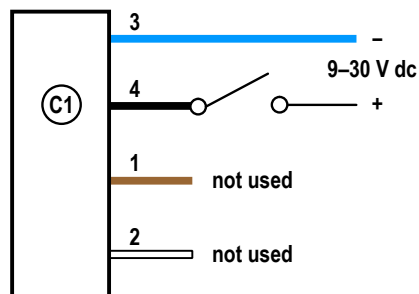
1 = Brown
2 = White
3 = Blue
4 = Black

C1 = Color 1

Specifications

Supply and Voltage Current
9 to 30 V dc
60 mA at 9 V dc; 25 mA at 30 V dc

Input Response Time
Indicator ON/OFF: 1 ms max

Light Characteristics
White (5000–10000K): 18 lumens at 25 °C
Red (620–630 nm): 6 lumens at 25 °C
Yellow (585–595 nm): 5 lumens at 25 °C
Green (520–535 nm): 18 lumens at 25 °C
Blue (465–485 nm): 5 lumens at 25 °C

Construction
UV stabilized polycarbonate housing
PBT mounting nut max torque 2.3 N·m (20 lbf·in)
Nitrile sealing washer

Connections
4-pin Euro-style integral QD (Q), 150 mm (5.9 in) PVC pigtail QD (QP), or 4-wire, 2 m (6.5 ft) PVC integral cable, 4 color-coded screw terminals for up to 16 AWG wire, depending on model, screw terminal max. torque 0.11 N·m (1.0 lbf·in)

Environmental Rating
Rated IEC IP67, and IP69K, per DIN 40050-9. Cabled models also meet IP69K if the cable and cable entrance are protected from high-pressure spray. Indicator side of terminal models meet IP67, and IP69K when installed in an enclosure. Screw connection points meet IP00
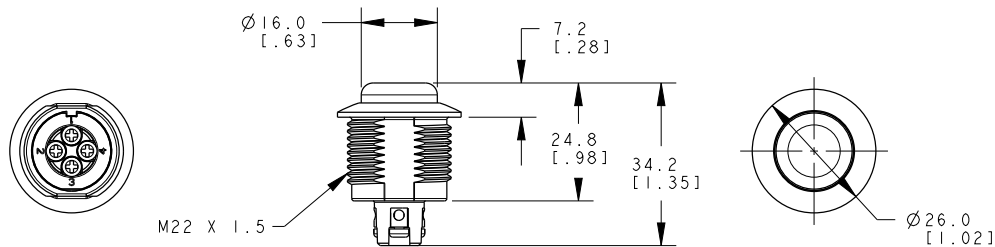
Operating Conditions
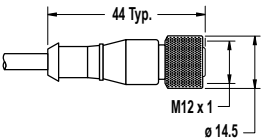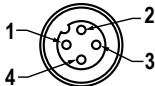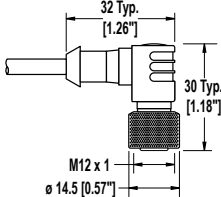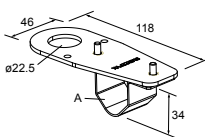−40 °C to +60 °C (−40 °F to +140 °F)
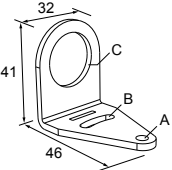
Certifications
CE
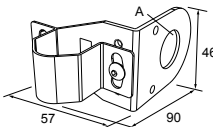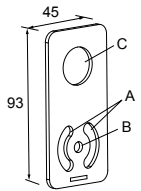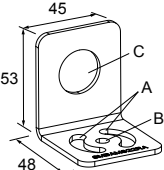UL approval pending

Dimensions

Accessories

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

SMB22A
- Right-angle bracket with curved slot for versatile orientation
- 12-ga. stainless steel
- Mounting hole for 22 mm sensor

Hole center spacing: A to B = 26.0
Hole size: A = ø 4.6, B = 4.6 x 16.9, C = 22.2

SMB22FVK
- V-clamp, flat bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions
- 22 mm hole for mounting sensor

Hole size: A = ø 22.5

SMB22RAVK
- V-clamp, right-angle bracket and fasteners for mounting to pipe or extensions
- Clamp accommodates 28 mm diameter tubing or 1 in. square extrusions
- 22 mm hole for mounting sensor

Hole size: A = ø 22.5

SMBAMS22P
- Flat SMBAMS series bracket with 22 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Hole center spacing: A = 26.0, A to B = 13.0

Hole size: A = 26.8 x 7.0, B = ø 6.5, C = ø 22.5

SMBAMS22RA
- Right-angle SMBAMS series bracket with 22 mm hole for mounting sensors
- Articulation slots for 90+° rotation
- 12-ga. (2.6 mm) cold-rolled steel

Hole center spacing: A = 26.0, A to B = 13.0

Hole size: A = 26.8 x 7.0, B = ø 6.5, C = ø 22.5

Banner Engineering Corp. Limited Warranty