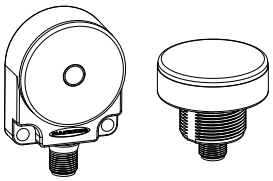
WL50-2 LED Work Light

General-Purpose LED Work Lights



Shown are flat-mount model with push-button (left) and 30 mm base-mount model without the push-button

- Designed for enclosure or area lighting
- Use with an optional flex arm mount for adjustable, industrial task lighting
- Illuminates a large area with an even pattern of light
- Standard or push-button models available
- Flat-mount or 30 mm base-mount models available
- Rugged, sealed polycarbonate housing rated to IP69K (standard models) or IP67 (push-button models)
- Low-profile design with several mounting options
- 12 to 30 V dc operation
- Cabled and quick-disconnect models available
- Low power consumption; less than 3 watts

Models

Flat-mount models include a 48 mm (1.9 in) circular velcro mounting kit for easy mounting with no additional hardware.

Model[1]	Push-Button	Mounting Style	Input
WL50F-2	Standard (no push-button)	Flat-mount	12 to 30V dc
WL50-2		30 mm base-mount	
WL50F-2PB	Push-button	Flat-mount	
WL50-2PB		30 mm base-mount	

Specifications

Supply Voltage and Current
12 V to 30 V dc

Use only with suitable Class 2 power supply.

Max. current at –40 °C (–40 °F):
· 233 mA at 12 V dc
· 110 mA at 24 V dc
· 90 mA at 30 V dc
Max. Input Power: 2.8 watts

Power-Up Response Time
Light On: 1 ms (max.) for models without push-button

Construction
Polycarbonate housing; nickel-plated QD connector or PVC-jacketed cable

Environmental Rating
Standard models: IEC IP67, IP69K per DIN 40050
Push-Button Models: IEC IP67

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

Light Characteristics
Color temperature (CCT): 6000–7000K
Color: Cool white
Lumen output at 25 °C (77 °F) typical: 185 lumens
Luminous efficacy at 25 °C (77 °F) typical: 72 lumens per watt
Lux (typical):
· at 0.5 m (1.6 ft): 350 lux
· at 1.0 m (3.3 ft): 88 lux
· at 2.0 m (6.6 ft): 22 lux

Connections
Integral 4-pin Euro-style QD, 150 mm (5.9 in) PVC pigtail with QD, or 2 m (6.5 ft) integral cable, depending on model

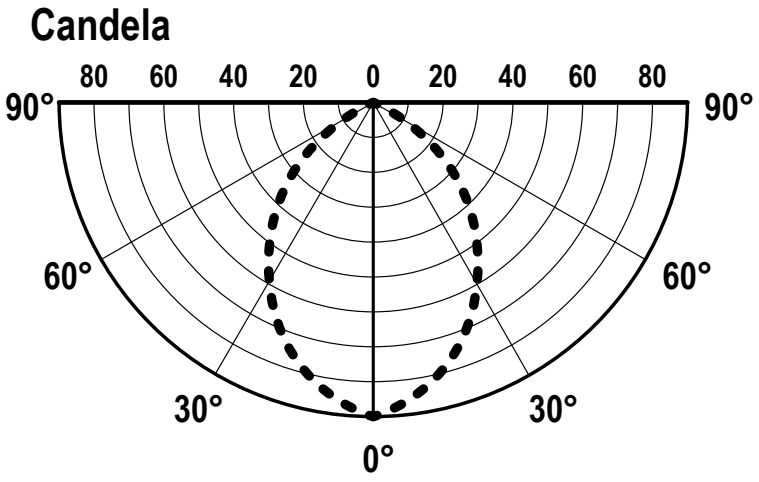
Certifications

UL Recognized for easy installation in control cabinets

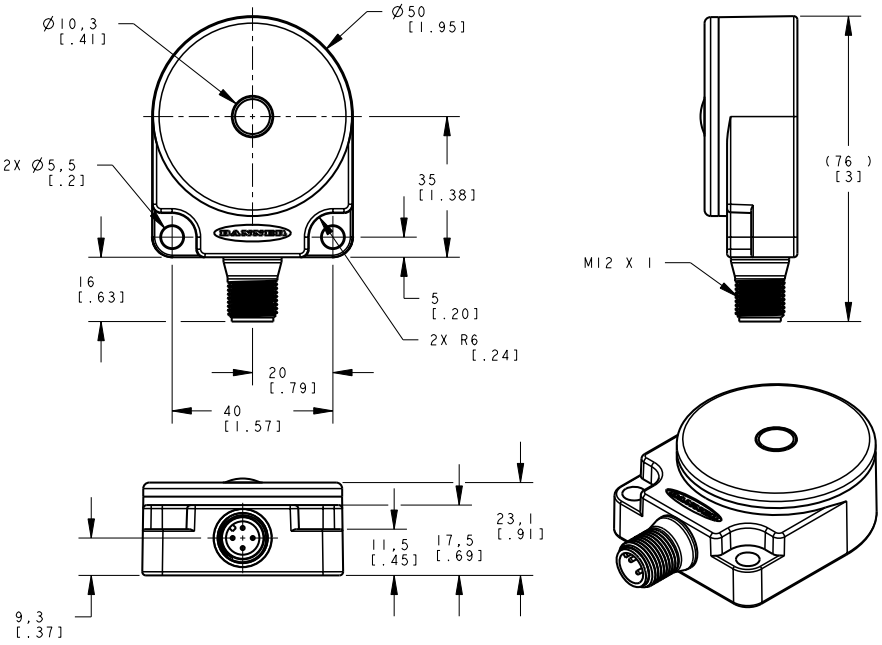
Application Note
Push-button models: When power is initially applied to the device, or following a power interruption and the light is off, push the push-button to turn the light on.

[1] Only standard 2 m (6.5 ft) cable models are listed.
- For 9 m (30 ft) cable: add suffix W/30 to the model number , for example, WL50F-2 W/30.
- For 4-Pin Euro-style Integral QD connector, add suffix Q to the model number, for example, WL50F-2Q.
- For 150 mm (6 in) 4-pin Euro pigtail QD, add suffix QP to the model number , for example, WL50F-2QP.
- A model with a QD requires a mating cordset (see *Cordsets* on page 4).

Intensity Distribution

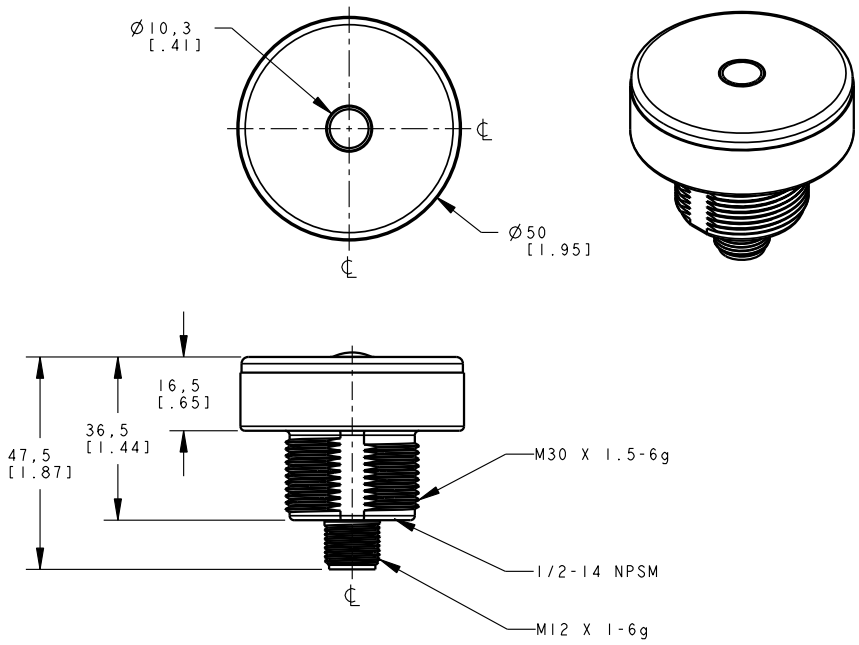


Dimensions — Flat-mount



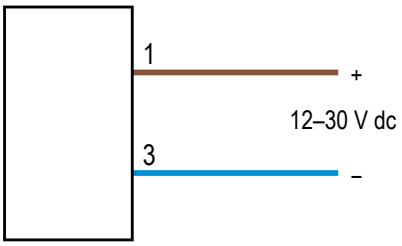
* Push-button model shown. Push-button located in center of light.

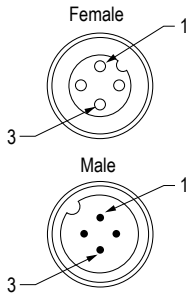
Dimensions — 30 mm base-mount



* Push-button model shown. Push-button located in center of light.

Wiring

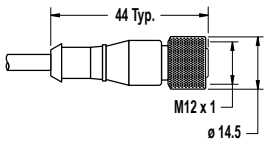
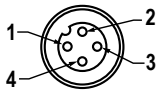
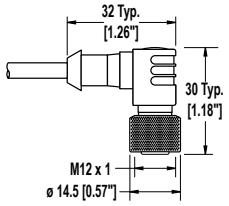




Wiring Key:
1 = Brown
3 = Blue

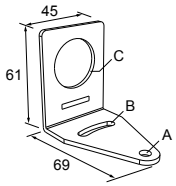
Accessories

Cordsets

4-Pin Threaded M12/Euro-Style Cordsets				
Model	Length	Style	Dimensions	Pinout (Female)
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)			

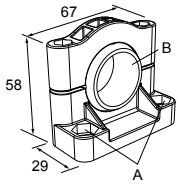
Mounting Accessories

SMB30A
- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-ga. stainless steel



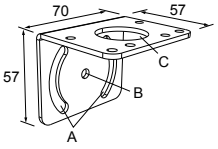
Hole center spacing: A to B=40
Hole size: A=ø 6.3, B= 27.1 x 6.3, C=ø 30.5

SMB30SC
- Swivel bracket with 30 mm mounting hole for sensor
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included



Hole center spacing: A=ø 50.8
Hole size: A=ø 7.0, B=ø 30.0

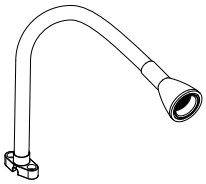
SMB30MM
- 12-ga. stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor



Hole center spacing: A = 51, A to B = 25.4
Hole size: A = 42.6 x 7, B = ø 6.4, C = ø 30.1

Flex Arm Mounts
- For cabled and QD models
- 457 mm (18 in) long, vinyl coated

FLX18-1212
FLX18-F12
FLX18-12M30
FLX18-DM30
FLX18-FM30



For base connection measurements, visit *www.bannerengineering.com* and search for p/n 170238.

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