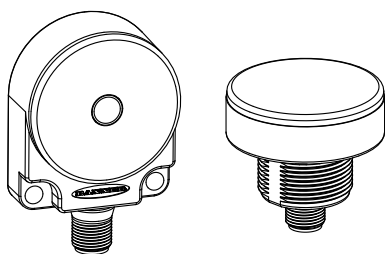


WL50 Work Light

General-Purpose LED Work Lights



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

- Designed for enclosure or area lighting
- Illuminates a large area with an even pattern of light and no shadows
- 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 30V dc operation
- Cabled and quick-disconnect models available
- Low power consumption; less than 2 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	Standard (no push-button)	Flat-mount	12 to 30V dc
WL50		30 mm base-mount	
WL50FPB	Push-button	Flat-mount	
WL50PB		30 mm base-mount	



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.

Specifications

Supply Voltage and Current

- 12 to 30V dc (10% max. ripple)
- Use only with suitable Class 2 power supply.
- Max. current: 105 mA @ 12V dc; 55 mA @ 30V dc
- Max. Input Power: 1.7 watts

Power-Up Response Time

- Light On: 1 ms (max.) for models without push-button

Light Characteristics

- Color temperature (CCT): 5000 to 10000 K
- Color: Cool white
- Intensity (typical): 65 lumens; 50 lux @ 1 meter

Construction

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

Environmental Rating

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

Connections

- Integral 4-pin Euro-style QD, 150 mm PVC pigtail with QD, or 2 m 6.5' integral cable, depending on model

Operating Conditions

- 40° to +50° C (-40° to +122° F)

Certifications



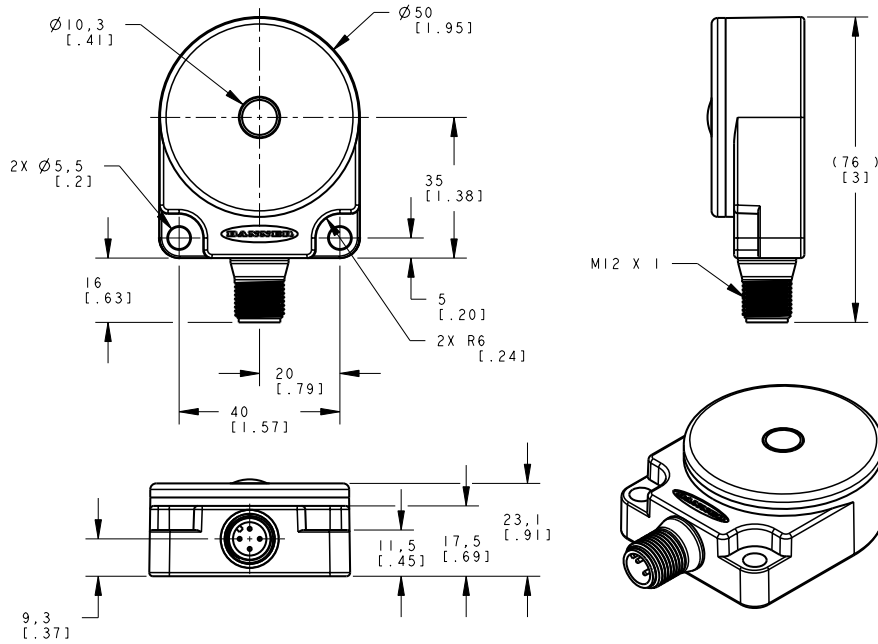
Application Note

- 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 "W30" to the model number (e.g., WL50F W30). For 4-Pin Euro-style Integral QD connector, add suffix "Q" to the model number (e.g., WL50FQ). For 150 mm (6 in) 4-pin Euro pigtail QD, add suffix "QP" to the model number (e.g., WL50FQP). A model with a QD requires a mating cordset (see [Cordsets](#) on page 3).

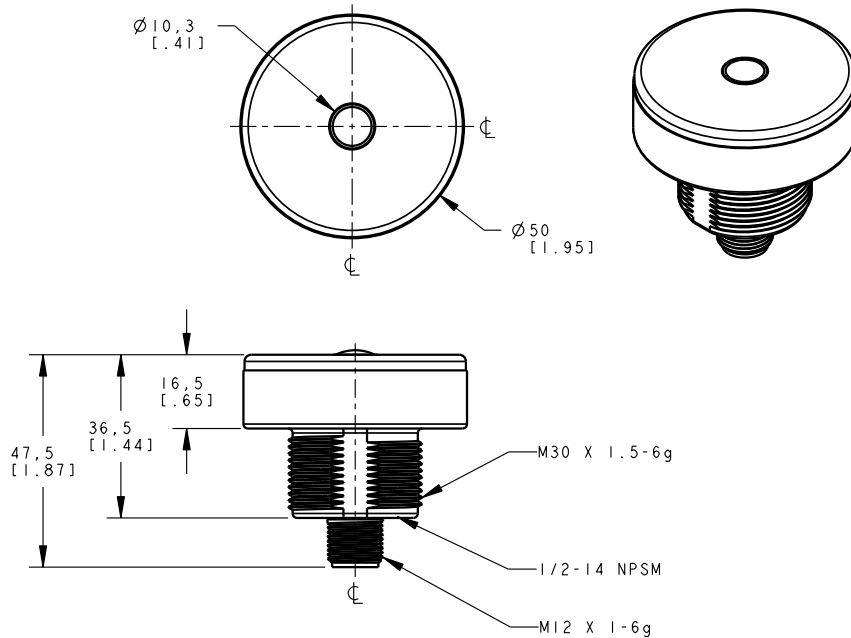


Dimensions — Flat-mount



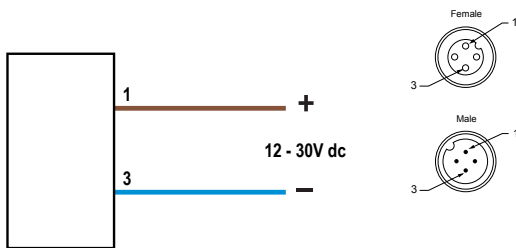
* Push-button model shown. Push-button located in center of light.

Dimensions — 30 mm base-mount



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

Wiring



Wiring Key:

- 1 = Brown
- 3 = Blue

Cordsets

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

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