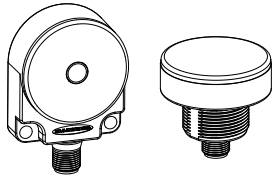


# WL50-2 LED Work Light



## 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 <sup>1</sup>	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 to 30V dc

Use only with suitable Class 2 power supply.

Max. current at -40 °C (-40 °F):

- 233 mA at 12V dc
- 110 mA at 24V dc
- 90 mA at 30V 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



Application Note

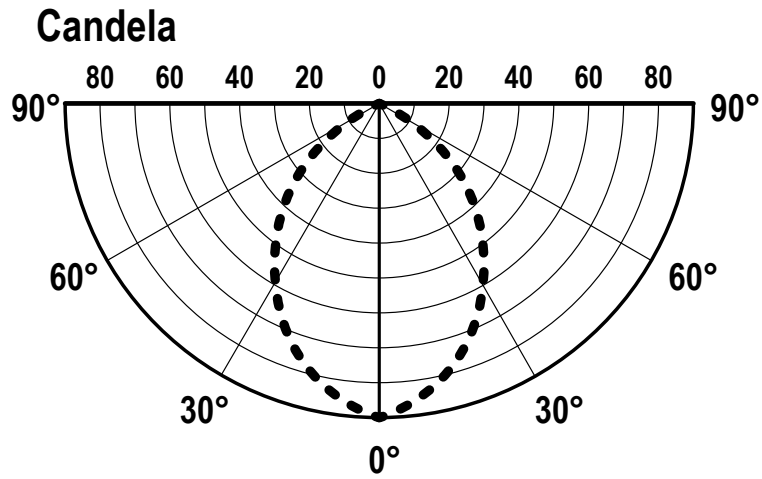
Push-button models: When power is initially applied to the device, or following a power interruption and the light is off, push the push-button to turn the light on.

<sup>1</sup> Only standard 2 m (6.5 ft) cable models are listed.

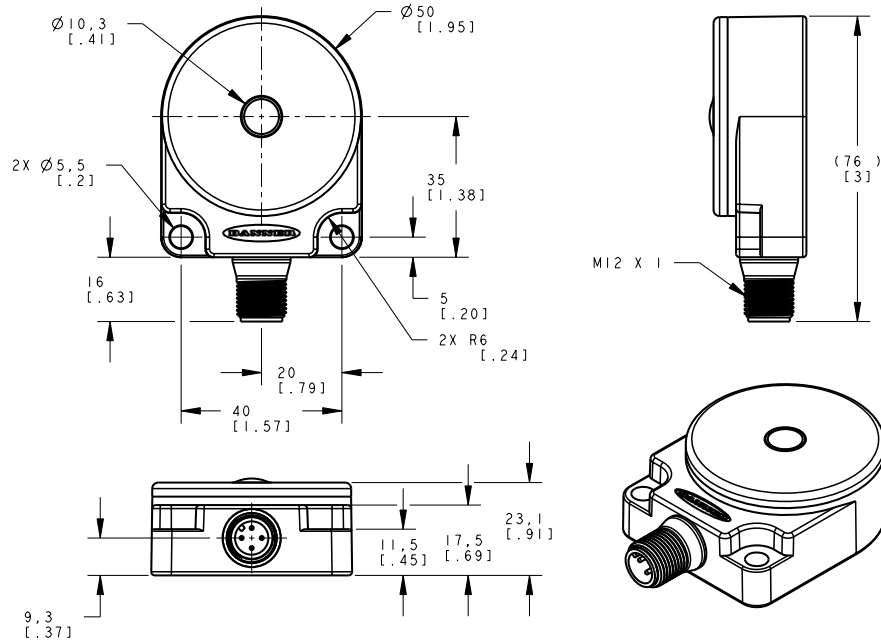
- For 9 m (30 ft) cable: add suffix W/30 to the model number, for example, WL50F-2 W/30.
- For 4-Pin Euro-style Integral QD connector, add suffix Q to the model number, for example, WL50F-2Q.
- For 150 mm (6 in) 4-pin Euro pigtail QD, add suffix QP to the model number, for example, WL50F-2QP.
- A model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



## Intensity Distribution

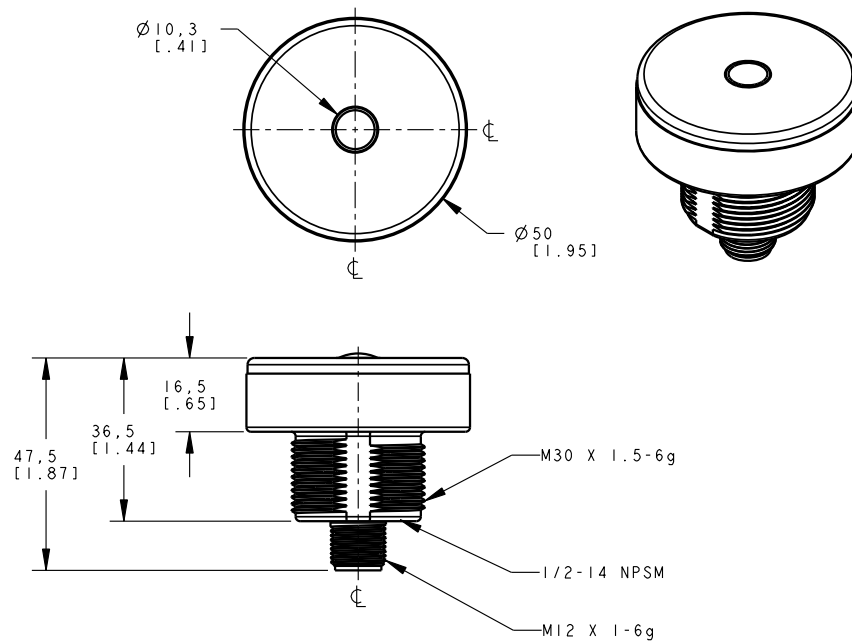


## Dimensions — Flat-mount



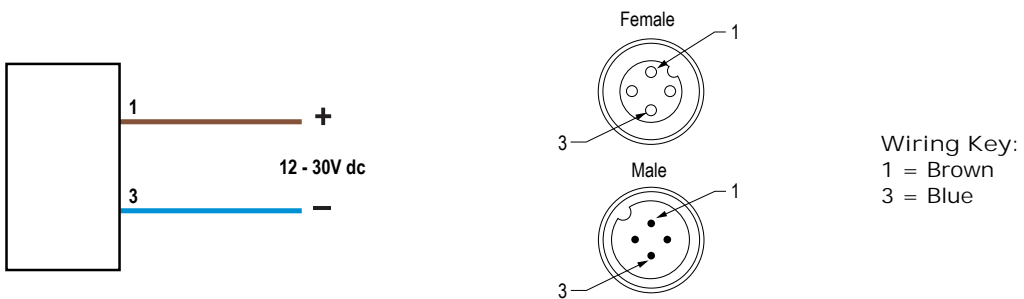
\* Push-button model shown. Push-button located in center of light.

## Dimensions — 30 mm base-mount



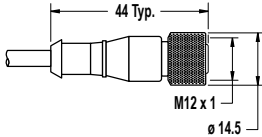
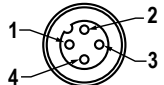
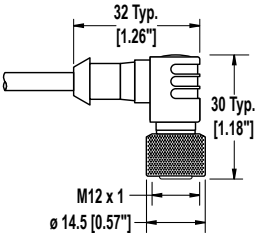
\* Push-button model shown. Push-button located in center of light.

## Wiring

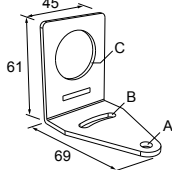
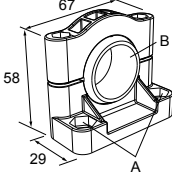
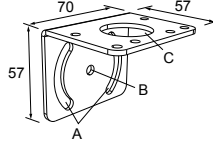
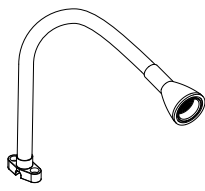


## Accessories

### Cordsets

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

<p><b>SMB30A</b></p> <ul style="list-style-type: none"> <li>Right-angle bracket with curved slot for versatile orientation</li> <li>Clearance for M6 (¼ in) hardware</li> <li>Mounting hole for 30 mm sensor</li> <li>12-ga. stainless steel</li> </ul>  <p>Hole center spacing: A to B=40 Hole size: A=ø 6.3, B= 27.1 x 6.3, C=ø 30.5</p>	<p><b>SMB30SC</b></p> <ul style="list-style-type: none"> <li>Swivel bracket with 30 mm mounting hole for sensor</li> <li>Black reinforced thermoplastic polyester</li> <li>Stainless steel mounting and swivel locking hardware included</li> </ul>  <p>Hole center spacing: A=ø 50.8 Hole size: A=ø 7.0, B=ø 30.0</p>
<p><b>SMB30MM</b></p> <ul style="list-style-type: none"> <li>12-ga. stainless steel bracket with curved mounting slots for versatile orientation</li> <li>Clearance for M6 (¼ in) hardware</li> <li>Mounting hole for 30 mm sensor</li> </ul>  <p>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</p>	<p><b>Flex Arm Mounts</b></p> <ul style="list-style-type: none"> <li>For cabled and QD models</li> <li>457 mm (18 in) long, vinyl coated</li> </ul> <p>FLX18-1212 FLX18-F12 FLX18-12M30 FLX18-DM30 FLX18-FM30</p>  <p>For base connection measurements, visit <a href="http://www.bannerengineering.com">www.bannerengineering.com</a> and search for p/n 170238.</p>

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