

## WL50F Work Light

General-purpose LED work lights

### Features



- 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
- Rugged, sealed polycarbonate housing rated for 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; < 2 watts

### Standard Models

| Model*  | Connection                             | Input        |
|---------|----------------------------------------|--------------|
| WL50F   | 2 m (6.5') cable                       | 12 to 30V dc |
| WL50FQ  | 4-Pin Euro-style integral QD connector |              |
| WL50FQP | 150 mm (6") 4-pin Euro pigtail QD      |              |

\* For 9 m (30') cable, add suffix **W/30** to the model number (example, **WL50F W/30**).

All models include a 48 mm (1.9") circular velcro mounting kit and circular magnet for easy mounting with no additional hardware

### Push-Button Models

| Model*    | Connection                             | Input        |
|-----------|----------------------------------------|--------------|
| WL50FPB   | 2 m (6.5') cable                       | 12 to 30V dc |
| WL50FPBQ  | 4-Pin Euro-style integral QD connector |              |
| WL50FPBQP | 150 mm (6") 4-pin Euro pigtail QD      |              |

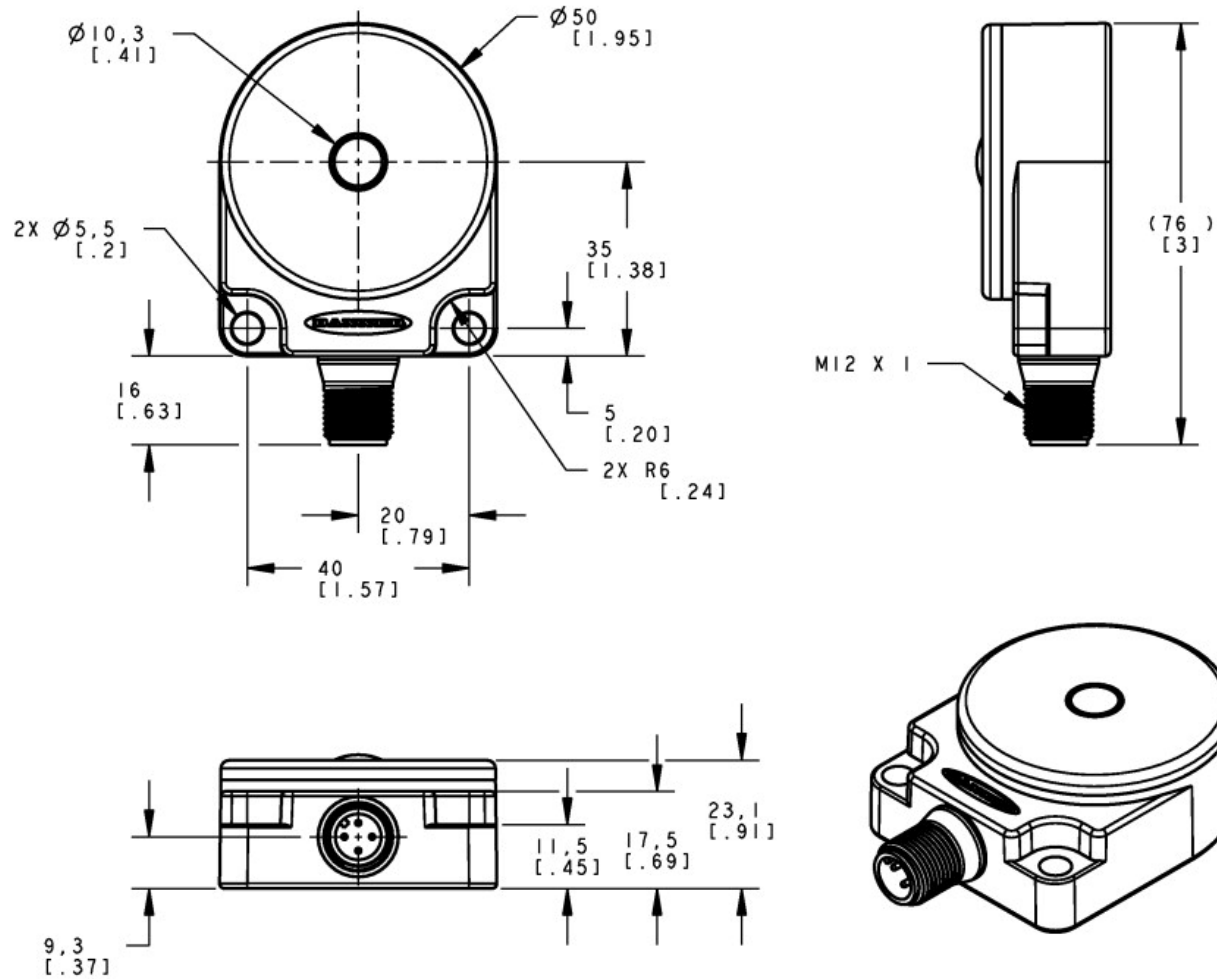
\* For 9 m (30') cable, add suffix **W/30** to the model number (example, **WL50FPB W/30**).

All models include a 48 mm (1.9") circular velcro mounting kit and circular magnet for easy mounting with no additional hardware

## Specifications

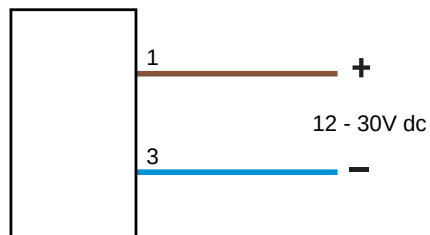
| Feature                       | Description                                                                                                                                                                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supply Voltage</b>         | 12 to 30V dc (10% max. ripple)<br><b>Max. current:</b> 105 mA @ 12V dc; 55 mA @ 30V dc<br><b>Max. input power:</b> 1.7 watts                                                                                                                                                    |
| <b>Power-up Response Time</b> | <b>Light On:</b> 1 ms (max.) (models without push-button)                                                                                                                                                                                                                       |
| <b>Light Characteristics</b>  | <b>Color temperature (CCT):</b> 5,000 to 10,000 K<br><b>Color:</b> Cool white<br><b>Intensity (typical):</b> 65 lumens; 50 lux @ 1 meter                                                                                                                                        |
| <b>Construction</b>           | Polycarbonate housing; Nickle-plated QD connector or PVC-jacketed cable                                                                                                                                                                                                         |
| <b>Environmental Rating</b>   | <b>Standard models:</b> IP69K per DIN 40050<br><b>Push-button models:</b> IEC IP67                                                                                                                                                                                              |
| <b>Connections</b>            | Integral 4-pin Euro-style QD, 150 mm PVC pigtail with QD, or 2 m (6.5') integral cable, depending on model                                                                                                                                                                      |
| <b>Operating Conditions</b>   | -40° to +50° C (-40° to +122° F)                                                                                                                                                                                                                                                |
| <b>Certifications</b>         | Approvals are pending                                                                                                                                                                                                                                                           |
| <b>Application Note</b>       | <b>Push-button models:</b> When power is initially applied to the device, push the push-button to turn the light on. If power to the device is interrupted the light will turn off and will remain off when power is restored. To turn the light back on, push the push-button. |

## Dimensions\*



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

## Hookups

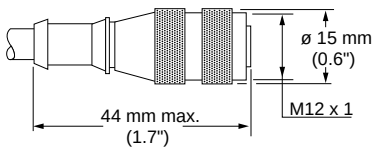
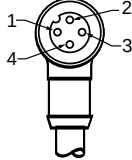
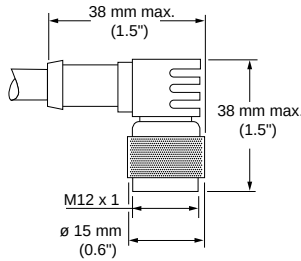


Wiring Key:

1 = Brown

3 = Blue

## Quick-Disconnect (QD) Cordsets

| 4-Pin Euro-Style Cables – Single-Ended |                                                             |                                      |                                                                                    |                                                                                     |
|----------------------------------------|-------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Style                                  | Model                                                       | Length                               | Dimensions                                                                         | Pinout                                                                              |
| 4-pin<br>Euro-style<br>straight        | <b>MQDC-406</b><br><b>MQDC-415</b><br><b>MQDC-430</b>       | 2 m (6.5')<br>5 m (15')<br>9 m (30') |  |  |
| 4-pin<br>Euro-style<br>Right-angle     | <b>MQDC-406RA</b><br><b>MQDC-415RA</b><br><b>MQDC-430RA</b> | 2 m (6.5')<br>5 m (15')<br>9 m (30') |  | 1 = Brown<br>2 = White<br>3 = Blue<br>4 = Black                                     |



### 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. Consult your Banner Safety Products catalog for safety products that meet OSHA, ANSI and IEC standards for personnel protection.