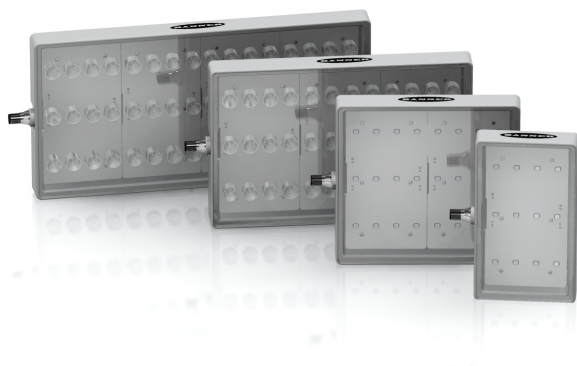


# WLA Series Work Light

## General-Purpose LED Work Light

For the latest technical information about this product, including specifications, dimensions, and wiring, see [www.BannerEngineering.com/IL\\_WLA](http://www.BannerEngineering.com/IL_WLA)



- High power solid state LED array with cool white light
- Illuminates a large area with an even pattern of light and no shadows
- Designed for area and machine lighting
- Rugged thermoplastic housing rated to IP69K
- Lensed models provide a concentrated, more intense, beam pattern
- Available in four sizes
- Cabled and Quick Disconnect models available

Lensed models shown at left;  
non-lensed models shown at right

## Models

| Non-Lensed Models | Lensed Models   | Housing Length<br>"L <sub>1</sub> " † | Connection*                      | LED Color  | Environmental Rating | Input Voltage |
|-------------------|-----------------|---------------------------------------|----------------------------------|------------|----------------------|---------------|
| WLAW105X180Q      | WLAW105X180L11Q | 105 mm                                | 4-pin Euro integral QD connector | Cool white | IP69K                | 12 to 30V dc  |
| WLAW190X180Q      | WLAW190X180L11Q | 190 mm                                |                                  |            |                      |               |
| WLAW275X180Q      | WLAW275X180L11Q | 275 mm                                |                                  |            |                      |               |
| WLAW360X180Q      | WLAW360X180L11Q | 360 mm                                |                                  |            |                      |               |

† See [Dimensions](#) on page 3.

\* Integral QD models only are listed.

- For integral 2 m (6.5') PVC cable, omit suffix **Q** from model number (example, "**WLAW105X180**").
- A model with a QD requires a mating cordset (see [4-Pin Euro-Style Cordsets](#) on page 3).



### 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.



## Specifications

### Supply Voltage and Current

12 to 30V dc (10% max. ripple)

Max current per length:

| Light Length | 12V dc | 24V dc | 30V dc | Watts | Lumens (Typical) |
|--------------|--------|--------|--------|-------|------------------|
| 105 mm       | 1.0A   | 0.5A   | 0.4A   | 12    | 450              |
| 190 mm       | 2.0A   | 1.0A   | 0.8A   | 24    | 900              |
| 275 mm       | 3.0A   | 1.5A   | 1.2A   | 36    | 1350             |
| 360 mm       | 4.0A   | 2.0A   | 1.6A   | 48    | 1800             |

### Light Characteristics

**Color Temperature (CCT):** 5000 - 8300K

**Color:** Cool White

### Useful Life

When operating within specifications, output will decrease less than 30% after 50,000 hours.

### Construction

PBT housing; acrylic window; nickel-plated brass connector or PVC-jacketed cable

### Mounting

Flat-mount or accessory bracket

### Environmental Rating

Rated IEC IP67 and IP69K, per DIN 40050

### Connections

Integral 4-pin Euro style QD, or 2 m (6.5') integral cable

### Operating Temperature

-20° to +50° C (-4° to +122° F)

### Storage Temperature

-40° to +70° C (-40° to +158° F)

### Vibration and Mechanical Shock

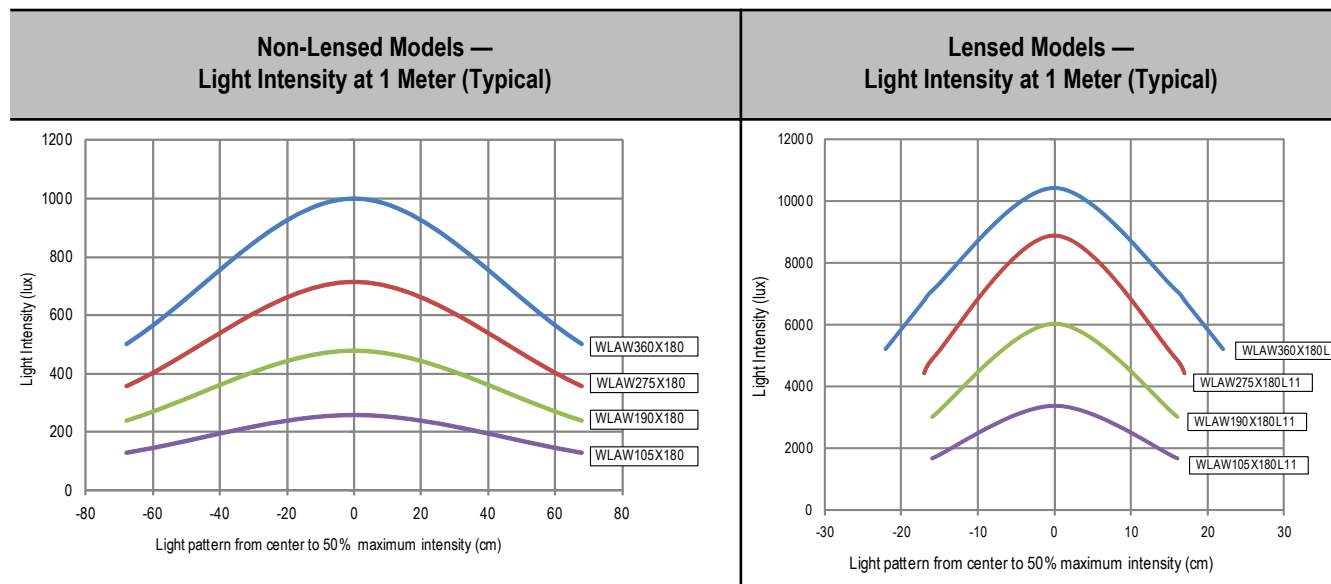
All models meet Mil. Std. 202F requirements method 201A (vibration: 10 to 60 Hz max., double amplitude 0.06", maximum acceleration 10G). Also meets IEC 947-5-2; 30G 11 ms duration, half sine wave.

### Certifications



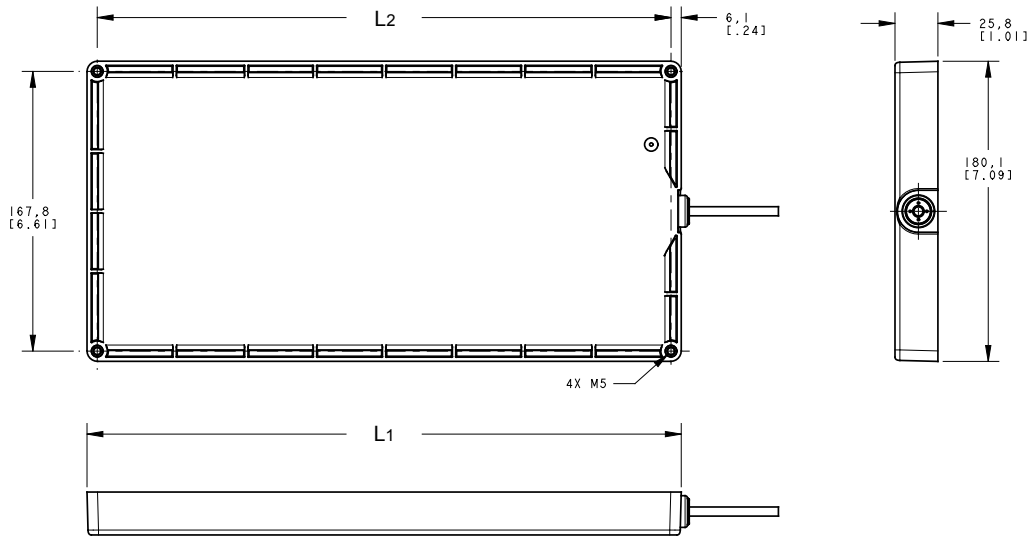
**NOTE:** Do not spray cable with high-pressure sprayer, or cable damage will result.

## Beam Patterns



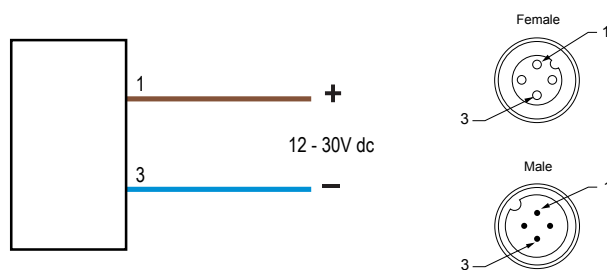
## Dimensions

Measurements in mm [in]



| Model      | $L_1$             | $L_2$             |
|------------|-------------------|-------------------|
| WLAW105X.. | 105.1 mm (4.14")  | 92.8 mm (3.66")   |
| WLAW190X.. | 180.1 mm (7.09")  | 167.8 mm (6.61")  |
| WLAW275X.. | 272.7 mm (10.74") | 260.3 mm (10.25") |
| WLAW360X.. | 356.6 mm (14.04") | 344.3 mm (13.55") |

## Wiring



### Wiring Key:

1 = Brown  
3 = Blue

## 4-Pin Euro-Style Cordsets

| 4-Pin M12/Euro-Style Cordsets (straight connector) | 4-Pin M12/Euro-Style Cordsets (right-angle connector) |
|----------------------------------------------------|-------------------------------------------------------|
| MQDC-406, 2 m (6.5')                               | MQDC-406RA, 2 m (6.5')                                |
| MQDC-415, 5 m (15')                                | MQDC-415RA, 5 m (15')                                 |
| MQDC-430, 9 m (30')                                | MQDC-430RA, 9 m (30')                                 |

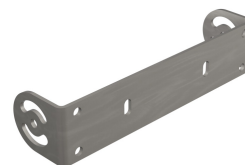
## Accessory Brackets

### SMBBSSM



- 316 stainless steel bracket and hardware
- Includes 2 brackets; four M5 socket drive, button head screws to attach to light

### SMBBSRA



- 316 stainless steel bracket and hardware
- Right-angle swivel bracket for versatile orientation

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