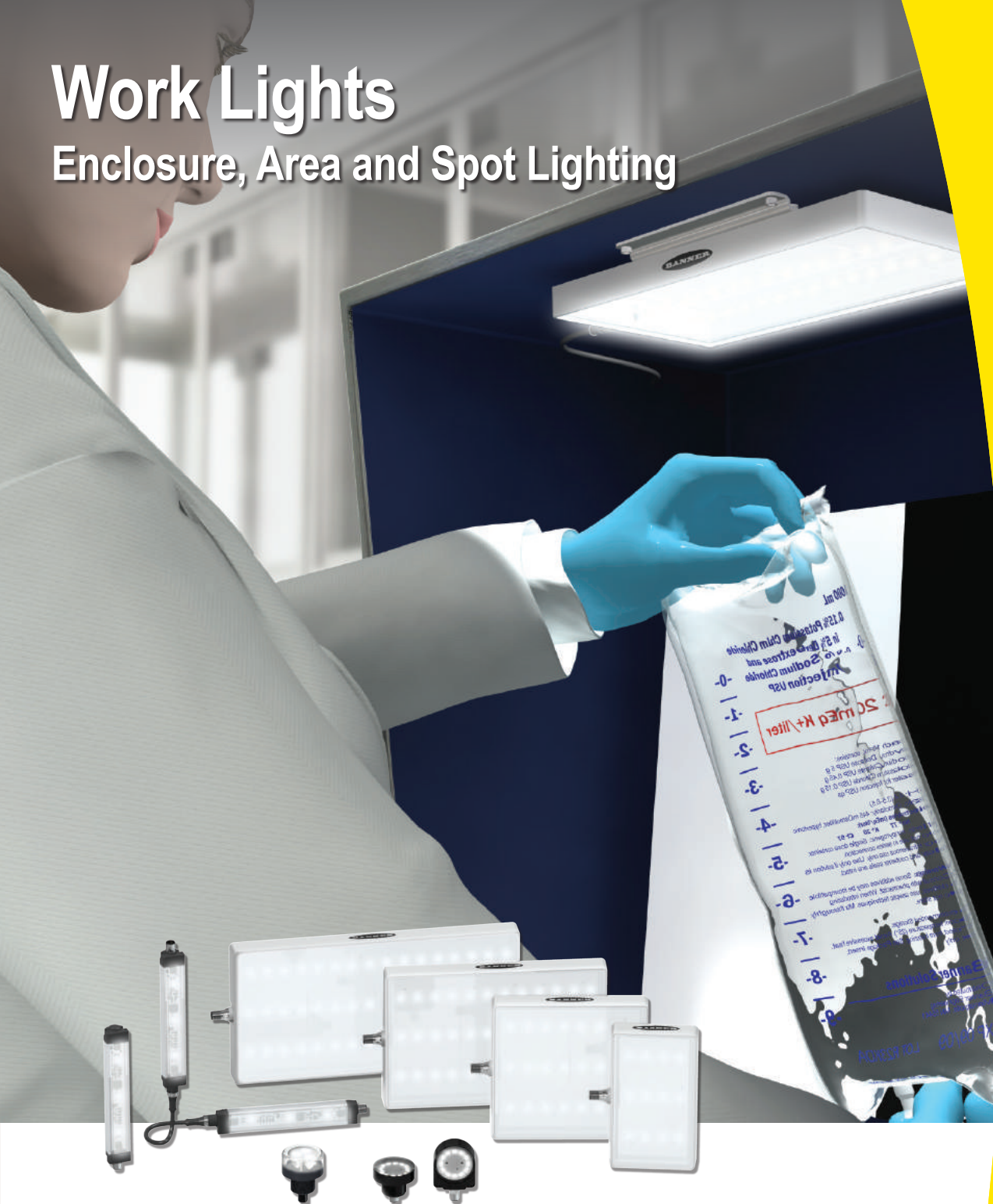


# Work Lights

## Enclosure, Area and Spot Lighting



### Simple and cost-effective task lighting

Banner Work Lights provide numerous solutions for illuminating work areas with intense, long-lasting and durable work lights. They are a simple, cost-effective, quality solution that are flexible in size and mounting. With the efficiency of LED long-lasting illumination, these work lights are an ideal replacement for fluorescent lighting.

- ▶ Energy-efficient LEDs produce three to four times more lumens per watt than incandescent bulbs
- ▶ Extremely bright LEDs last six times longer than CFLs and 40 times longer than incandescent light bulbs
- ▶ Simple, cost-effective, quality LEDs power up instantly for immediate use solutions
- ▶ Environmentally-friendly LEDs contain no mercury
- ▶ Banner LED lights have the same efficacy (lumens per watt) as fluorescents, but are more efficient in directing light to the work area
- ▶ Flexible in size and mounting

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# WLS28-2 Work Light Strips

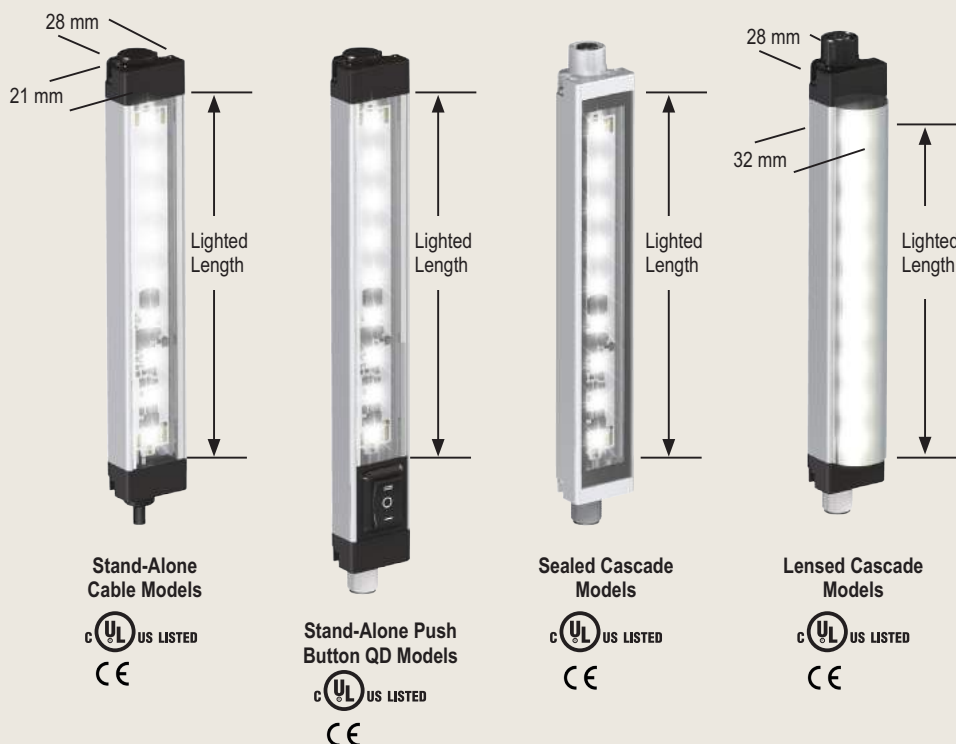
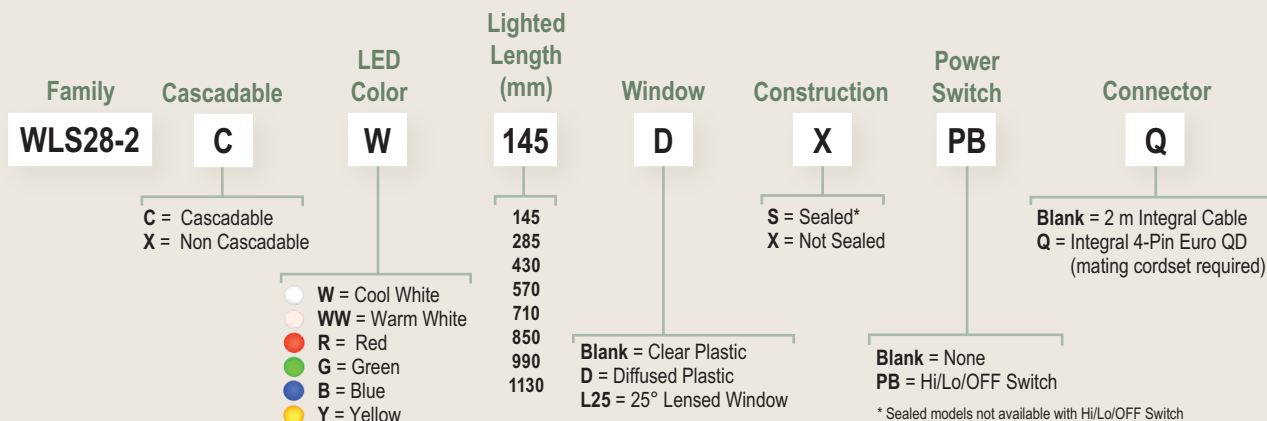
WLS28-2 work light strips provide bright, even, and efficient LED illumination for enclosures, machine lighting and work stations. The narrow profile metal housing allows lights to be mounted out of the way, while swivel brackets allow lights to be positioned exactly where needed. They are available in lengths from 145 mm to 1130 mm, and can be cascaded end-to-end to minimize wiring.

- Low-profile, 28 mm wide housing for use in industrial control cabinets or at work stations
- Rugged aluminum housing rated for IP50 (new models are available in waterproof housing rated IEC IP67 and IP69K)
- High-power LEDs for superior illumination with an even pattern of light and no shadows
- Swivel mounting brackets included
- Hi/Lo/OFF switch and non-switch models available
- Extremely long-lasting LED technology for greater than 50,000 hours of continuous working life
- Low power consumption; less than 9 watts per foot
- Cabled or quick-disconnect models for installation flexibility and convenient cascading of lights

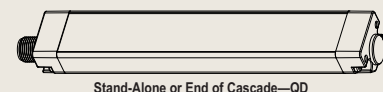
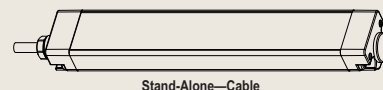


Lumens\* (Typical @ 25°C)

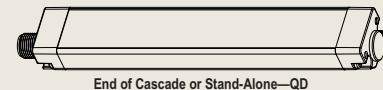
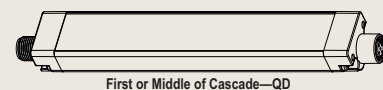
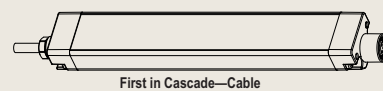
| Length | Cool White |
|--------|------------|
| 145    | 325        |
| 285    | 650        |
| 430    | 975        |
| 570    | 1300       |
| 710    | 1625       |
| 850    | 1950       |
| 990    | 2275       |
| 1130   | 2600       |



Stand-alone models have cable or male QD fitting at one end for power connection: no connections at opposite end



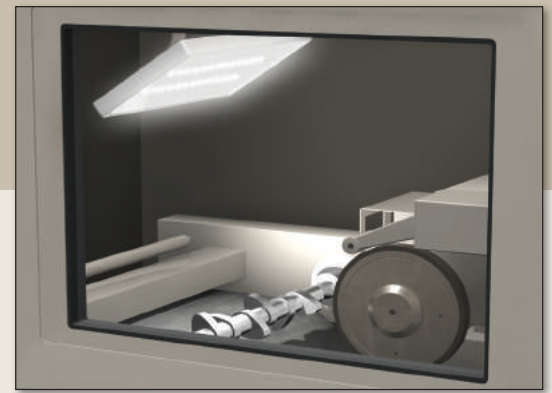
Cascade models have cable or male QD fitting at one end for power connection, female QD fitting at opposite end for connection to other lights in the cascade



# WLA Area Lights

WLA area lights are used in industrial work cells and areas exposed to liquids, such as food and beverage processing applications and machining centers. These rugged and energy-efficient work lights provide a bright, even pattern of cool white, warm white or colored light.

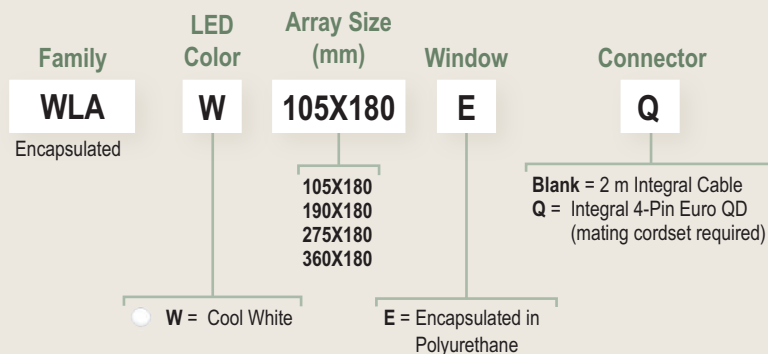
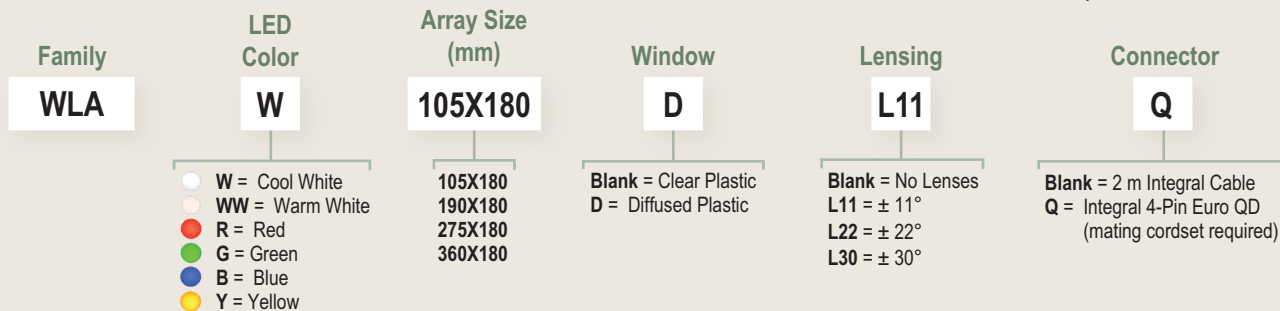
- High-power solid state LED array with cool white, warm white, red, green, blue or yellow light
- Illuminate a large area with an even pattern of light and no shadows
- Rugged thermoplastic housing rated to IP69K
- Encapsulated models available for enhanced resistance to chemicals, vibration and shock
- Available in four sizes
- Cabled and quick-disconnect models available
- Lensed models provide a concentrated, more intense beam pattern



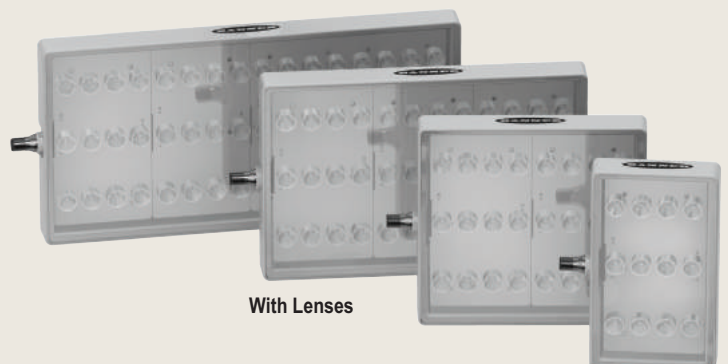
Lumens\* (Typical @ 25°C)

| Size    | Cool White | Warm White | Green | Red | Yellow | Blue |
|---------|------------|------------|-------|-----|--------|------|
| 105x180 | 650        | 515        | 385   | 145 | 325    | 110  |
| 190x180 | 1300       | 1030       | 770   | 290 | 650    | 220  |
| 275x180 | 1950       | 1545       | 1155  | 435 | 975    | 330  |
| 360x180 | 2600       | 2060       | 1540  | 580 | 1300   | 440  |

\*Lumen values lowered by 35% on diffused windows models



Without Lenses



With Lenses



# WL50-2 Work Lights

WL50 work lights provide bright, even illumination in areas where space is limited, including control cabinets and panels. The robust, sealed housing is ideal for lighting in wash-down and other rigorous industrial areas. Mounting on a flat surface is easy with the low-profile, flat-pack design and several mounting options.

- Extremely long-lasting LED technology for greater than 50,000 hours of continuous working life
- Low power consumption; less than 3 watts
- 12 to 30V dc operation
- Robust IP69K (standard) or IP67 (push-button models) for use in wet and dirty environments
- Shock, vibration and impact resistant
- Rugged, sealed polycarbonate housing



## Family

**WL50-2**

WL50-2 = 30 mm Mount  
WL50F-2 = Flat Mount

## Power Switch

**PB**

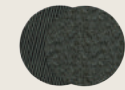
Blank = Standard  
PB = ON/OFF Switch

## Connector

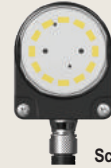
**Q**

Blank = 2 m Integral Cable  
Q = Integral 4-Pin Euro QD (mating cordset required)

## Mounting Options



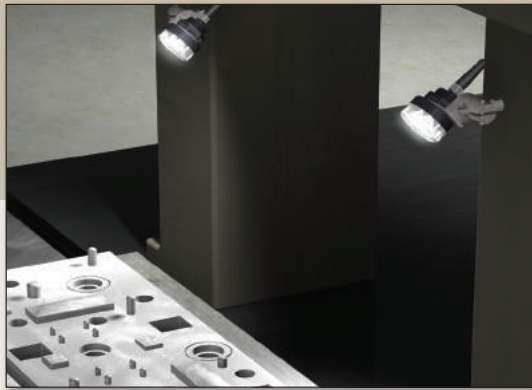
Velcro (included)



Screws

Lumens (Typical @ 25°C)

Cool White  
185



# WL50S Work Spot Lights

WL50S work spot lights illuminate a specific area with an even pattern of light and no shadows. Three versions of lens angles are available to ensure the area of concentration is covered. With three high-intensity LEDs, the WL50S work spot lights create impeccable illumination for use in specific work areas.

- Highly concentrated, focused light available in white, red and green
- Rugged sealed housing rated to IP69K
- 12 to 30V dc operation
- Cabled and quick-disconnect models available
- 50 mm diameter with a threaded 30 mm mounting base

Lumens (Typical @ 25°C)

| Lens | Cool White | Green | Red |
|------|------------|-------|-----|
| ±5°  | 295        | 210   | 110 |
| ±11° | 285        | 200   | 105 |
| ±20° | 270        | 190   | 100 |

## Family

**WL50S**

## LED Color

**W**

- W = White
- G = Green
- R = Red

## Lens Angle

**L11**

- L5 = ±5° (small)
- L11 = ±11° (large)
- L20 = ±20° (largest)

## Connector

**Q**

Blank = 2 m Integral Cable  
Q = Integral 4-Pin Euro QD (mating cordset required)



## Family

**WL50S**

## LED Color

**W**

- W = White
- G = Green
- R = Red

## Housing

**SS**

SS = Stainless Steel

## Window Material

**G**

Blank = Acrylic  
G = Glass

## Lens Angle

**L11**

- L5 = ±5° (small)
- L11 = ±11° (large)
- L20 = ±20° (largest)

## Connector

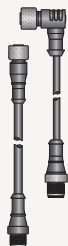
**Q**

Blank = 2 m Integral Cable  
Q = Integral 4-Pin Euro QD (mating cordset required)

# Accessories

## Cordsets

### Quick-Disconnect Cordsets—Double-Ended



| Model                 |                          | Connection          | Length | Used With |
|-----------------------|--------------------------|---------------------|--------|-----------|
| Straight/<br>Straight | Straight/<br>Right-Angle |                     |        |           |
| MQDEC-401SS           | MQDEC-401RS              | 4-pin<br>Euro-style | 0.3 m  | WLS28-2   |
| MQDEC-403SS           | MQDEC-403RS              |                     | 0.91 m |           |
| MQDEC-406SS           | MQDEC-406RS              |                     | 1.83 m |           |
| MQDEC-412SS           | MQDEC-412RS              |                     | 3.66 m |           |
| MQDEC-420SS           | MQDEC-420RS              |                     | 6.10 m |           |
| MQDEC-430SS           | MQDEC-430RS              |                     | 9.14 m |           |
| MQDEC-450SS           | MQDEC-450RS              |                     | 15.2 m |           |

### Quick-Disconnect Cordsets



| Model    |             | Connection          | Length | Used With      |
|----------|-------------|---------------------|--------|----------------|
| Straight | Right-Angle |                     |        |                |
| MQDC-406 | MQDC-406RA  | 4-pin<br>Euro-style | 1.83 m | WL50           |
| MQDC-415 | MQDC-415RA  |                     | 4.57 m | WLS28-8<br>WLA |
| MQDC-430 | MQDC-430RA  |                     | 9.14 m | WL50S          |

### Quick-Disconnect Cordsets—Splitter



| Model           | Connection          | Length   |        | Used With              |
|-----------------|---------------------|----------|--------|------------------------|
|                 |                     | Branches | Trunk  |                        |
| CSB-M1240M1240  | 4-pin<br>Euro-style | 0 m      | 0 m    | WL50<br>WLS28-2<br>WLA |
| CSB-M1240M1241  |                     | 0.30 m   | 0 m    |                        |
| CSB-M1241M1241  |                     | 0.30 m   | 0.30 m |                        |
| CSB-M1248M1241  |                     | 0.30 m   | 2.50 m |                        |
| CSB-M12415M1241 |                     | 0.30 m   | 4.60 m |                        |
| CSB-M12425M1241 |                     | 0.30 m   | 7.60 m |                        |
| CSB-UNT425M1241 |                     | 0.30 m   | 7.60 m |                        |

## Additional Mounting Options

| Description   |  |
|---|--|
|   | <b>SMBWLSMAG (Use with WLS28-2)</b><br>Includes: 2 magnets, 2 M5 screws, 2 M5 nuts with lock rings |
|   | <b>SMBWLSMAGR (Use with WLS28-2)</b><br>2 rubber covers to prevent scratching                      |
|   | <b>SMBWLAMAG (Use with WLA)</b><br>Includes: 4 magnets, 4 M5 screws                                |
|   | <b>SMBWLAMAGR (Use with WLA)</b><br>4 rubber covers to prevent scratching                          |
| <b>SMH1316 (use with WLS28-2)</b><br>Allows the light to be mounted to a 13/16" Unistrut channel.<br>The kit includes:<br>• 2 X 10-32 spring nuts<br>• 2 X 10-32 socket head cap screws<br>• 2 X #10 lock washers |  |

## Brackets

| Description               |  |
|---------------------------|--|
| <br>Use with: WL50, WL50S | <b>SMB30A</b><br>• Curved slot for versatile orientation<br>• 12-ga. stainless steel<br>• 30 mm mounting hole  |
| <br>Use with: WL50S       | <b>SMB30FA</b><br>• Swivel bracket with tilt and pan movement for precision adjustment<br>• 30 mm mounting hole<br>• Easy sensor mounting to extruded rail T-slot    |
| <br>Use with: WL50, WL50S | <b>SMB30MM</b><br>• Curved slots for versatility and orientation<br>• 12-ga. stainless steel<br>• 30 mm mounting hole  |
| <br>Use with: WL50, WL50S | <b>SMB30SC</b><br>• Swivel bracket with 30 mm mounting hole<br>• Black reinforced thermoplastic polyester<br>• Stainless steel mounting and swivel hardware included |
| <br>Use with: WL50S       | <b>SMBAMS30P</b><br>• Articulation slot for 90+° rotation<br>• 12-ga. cold-rolled steel<br>• 30 mm mounting hole   |
| <br>Use with: WL50S       | <b>SMBAMS30RA</b><br>• Articulation slot for 90+° rotation<br>• 12-ga. cold-rolled steel<br>• 30 mm mounting hole  |
| <br>Use with: WLS28-2     | <b>SMBWLS28RA</b><br>• Two replacement brackets for one light<br>• 14-ga. zinc-plated steel<br>• ± 45° rotation from center  |
| <br>Use with: WLS28-2     | <b>SMBWLS28SM</b><br>• 14-ga. zinc-plated steel<br>• ± 30° rotation from center  |
| <br>Use with: WLA         | <b>SMBBSSM</b><br>• Set of two surface-mount brackets<br>• 316 stainless steel hardware included   |
| <br>Use with: WLA         | <b>SMBBSRA</b><br>• Swivel bracket for versatile orientation<br>• 316 stainless steel bracket and hardware   |



### FLX18 Flex Arm Mounts

Provide versatile mounting options to easily direct lighting where it is needed, whether in a work station or along a manufacturing line. Available for use with spot lights, work lights and vision spot lights.

# Banner service and support

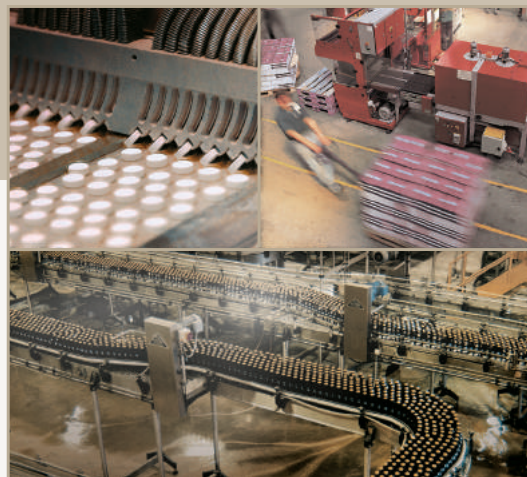
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For technical information



**Banner Engineering Corp.**

9714 Tenth Avenue North • Minneapolis, Minnesota 55441 • (763) 544-3164 • Fax: (763) 544-3213  
 Toll-free: 888-373-6767 • [www.bannerengineering.com](http://www.bannerengineering.com) • Email: [sensors@bannerengineering.com](mailto:sensors@bannerengineering.com)

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