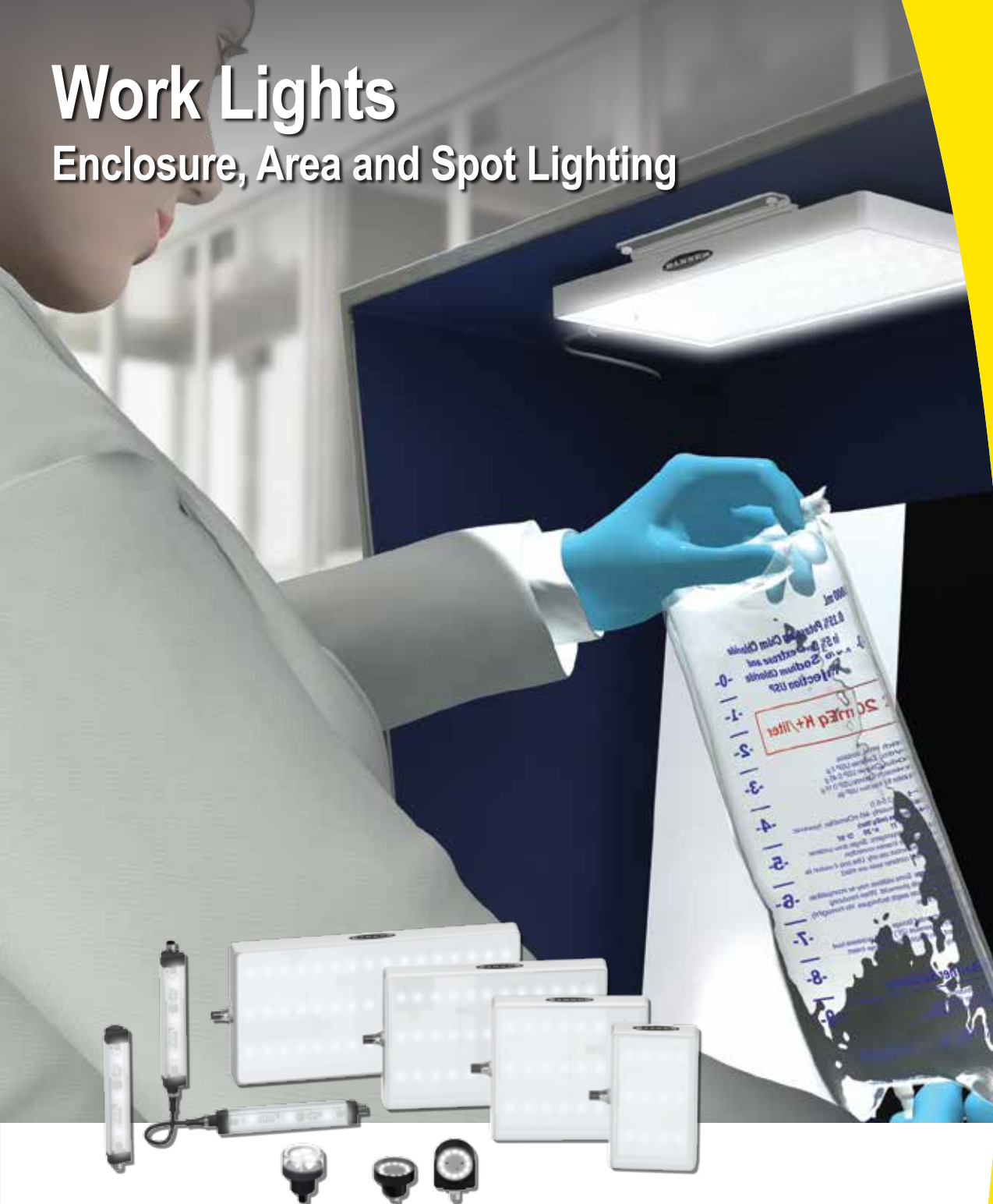


Work Lights

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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more sensors, more solutions

WLS28 Work Light Strips

WLS28 work light strips provide bright, even, and efficient LED illumination for enclosure interiors, which helps increase visibility in work stations or in areas with poor lighting conditions. 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.

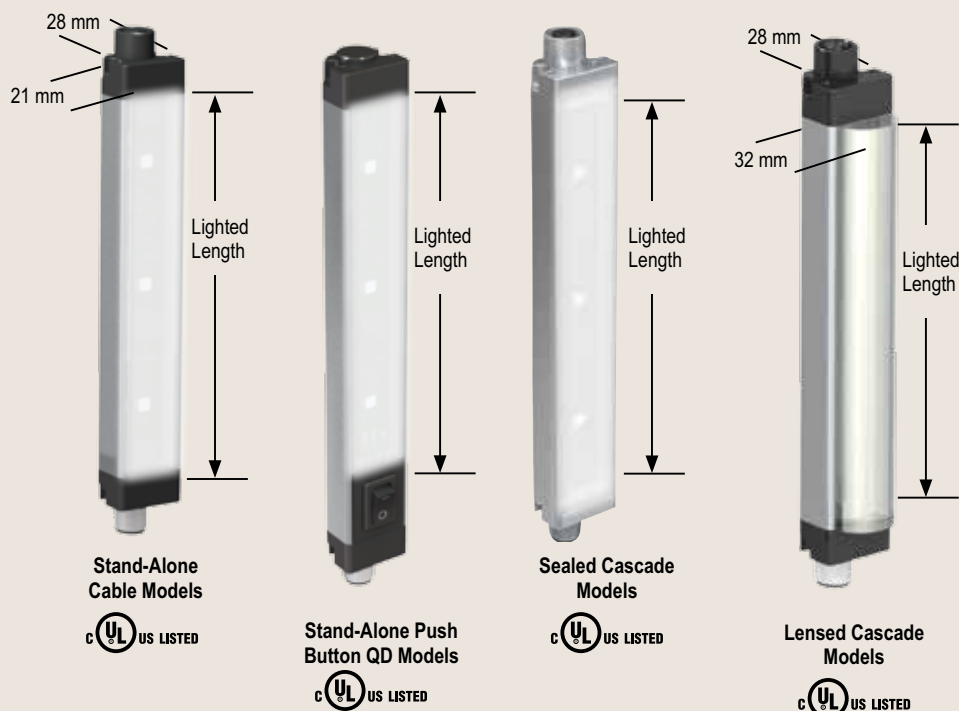
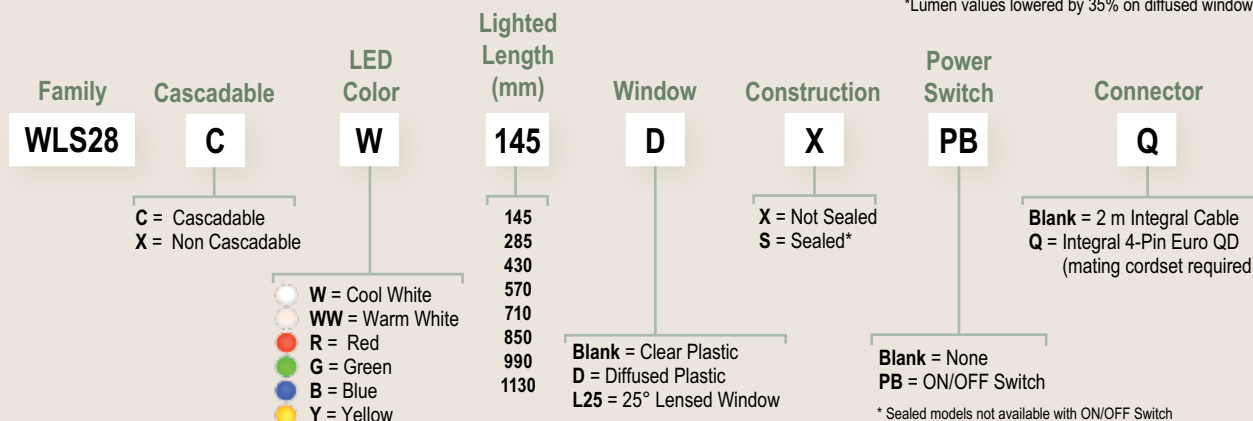
- Low-profile, 28 mm wide housing for use in industrial control cabinets or at work stations
- Rugged aluminum housing rated for IP50 (new models are available in waterproof housing rated IEC IP67 and IP69K)
- High-power LEDs for superior illumination with an even pattern of light and no shadows
- Swivel mounting brackets included
- ON/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



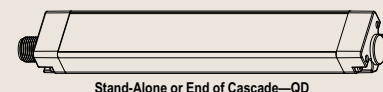
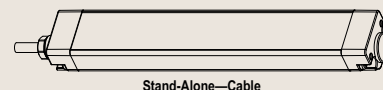
Lumens* (Typical @ 25°C)

Length	Cool White	Warm White	Green	Red	Yellow	Blue
145	225	180	126	60	114	36
285	450	360	252	120	228	72
430	675	540	378	180	342	108
570	900	720	504	240	456	144
710	1125	900	630	300	570	180
850	1350	1080	756	360	684	216
990	1575	1260	882	420	798	252
1130	1800	1440	1008	480	912	288

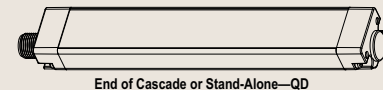
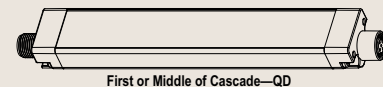
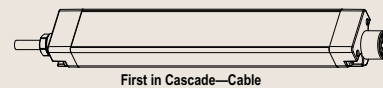
*Lumen values lowered by 35% on diffused windows models



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



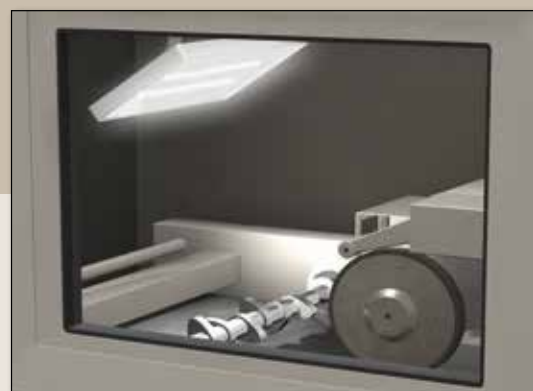
Cascade models have cable or male QD fitting at one end for power connection, female QD fitting at opposite end for connection to other lights in the cascade



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.

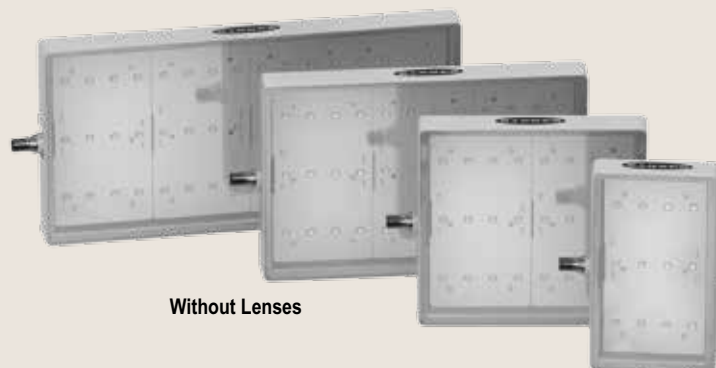
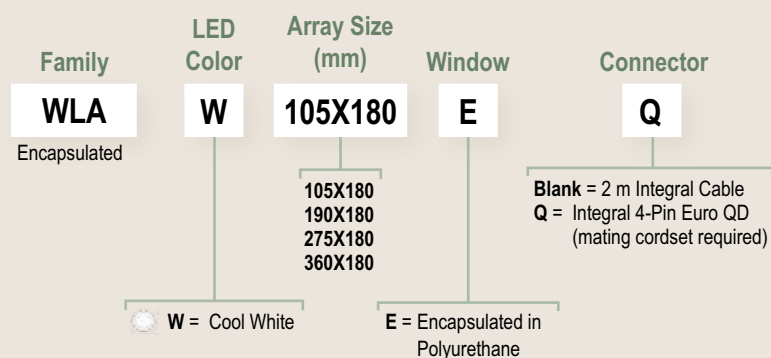
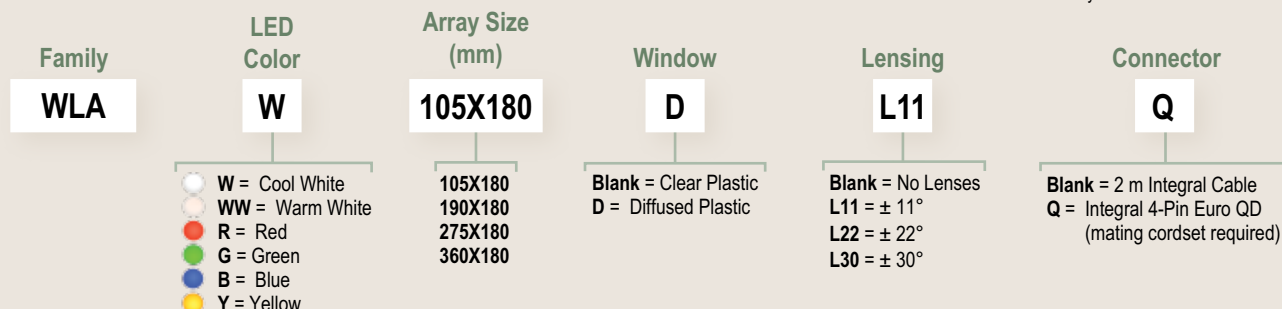
- High-power solid state LED array with cool white, warm white, red, green, blue or yellow light
- Illuminate a large area with an even pattern of light and no shadows
- Rugged thermoplastic housing rated to IP69K
- Encapsulated models available for enhanced resistance to chemicals, vibration and shock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



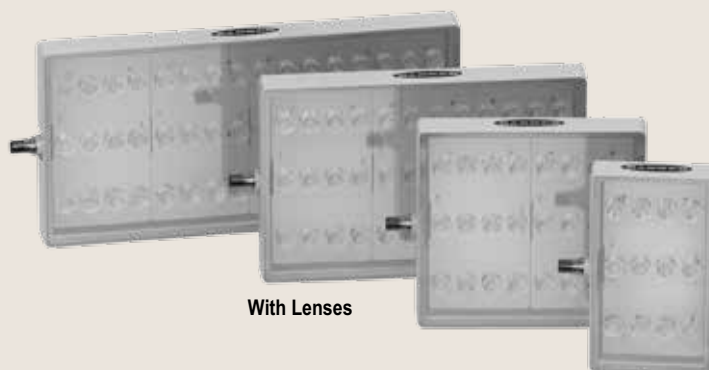
Lumens* (Typical @ 25°C)

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

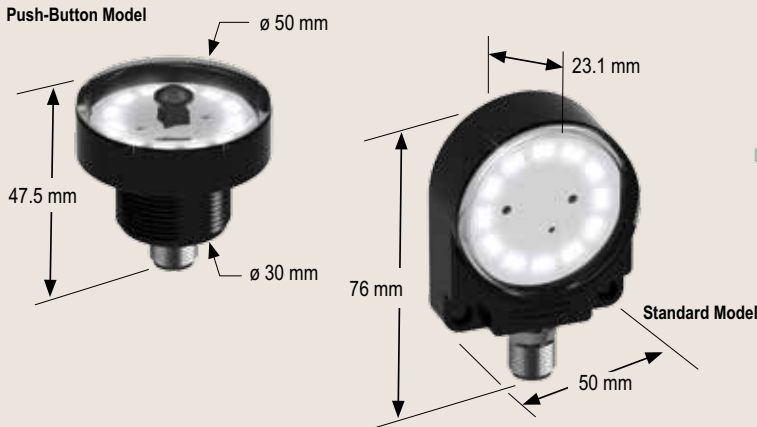


With Lenses

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 (included)



Velcro



Screws

Lumens (Typical @ 25°C)
Cool White
70



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

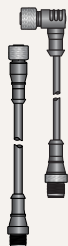
Q

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

Accessories

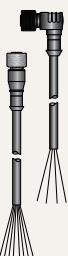
Cordsets

Quick-Disconnect Cordsets—Double-Ended



Model		Connection	Length	Used With
Straight/ Straight	Straight/ Right-Angle			
MQDEC-401SS	MQDEC-401RS	4-pin Euro-style	0.3 m	WL50 WLA
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 Euro-style	1.83 m	WL50
MQDC-415	MQDC-415RA		4.57 m	WLS28 WLA
MQDC-430	MQDC-430RA		9.14 m	WL50S

Quick-Disconnect Cordsets—Splitter



Model	Connection	Length		Used With
		Branches	Trunk	
CSB-M1240M1240	4-pin Euro-style	0 m	0 m	WL50 WLS28 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	
	SMBWLSMAG (Use with WLS28) Includes: 2 magnets, 2 M5 screws, 2 M5 nuts with lock rings
	SMBWLSMAGR (Use with WLS28) 2 rubber covers to prevent scratching
	SMBWLAMAG (Use with WLA) Includes: 4 magnets, 4 M5 screws
	SMBWLAMAGR (Use with WLA) 4 rubber covers to prevent scratching
SMH1316 (use with WLS28) Allows the light to be mounted to a 13/16" Unistrut channel. The kit includes: • 2 X 10-32 spring nuts • 2 X 10-32 socket head cap screws • 2 X #10 lock washers	

Brackets

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

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