WL50S Stainless Steel High-Intensity Work BANNI Spot Light



Datasheet

Chemically Resistant LED work lighting



- Three lens options, depending on model, to vary spot size
- Illuminates a large area with an even pattern of light and no shadows
- 12 to 30 V dc operation
- 56 mm (2.2 in) diameter with flat profile and 30 mm (1.2 in) mounting base
- Rugged, Viton® o-ring sealed housing rated to IP69K
- Chemically resistant 316 stainless steel housing for use in harsh environments
- FDA grade silicone gasket



WARNING: Not To Be Used for Personnel Protection

Never use this device as a sensing device for personnel protection. Doing so could lead to serious injury or death. This device 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.

Models

Model	LED Color	Window Material	Lumens	Lux		Lens Angle (see	Connection
				0.5 m	1 m	on page 2)	Connection
WL50SWSSL5Q	White, 5000–8300 K	Polycarbonate	295	13780	3445	±5°	5 pin Euro integral QD connector (use with a 4- wire or 5-wire mating cordset, only 2 wires used for connection)
WL50SWSSGL5Q		Glass				small, more focused spot	
WL50SWSSL11Q		Polycarbonate	285	5460	1365	±11°	
WL50SWSSGL11Q		Glass				larger spot	
WL50SWSSL20Q		Polycarbonate	270	2000	500	±20°	
WL50SWSSGL20Q		Glass				largest spot	

Specifications

Supply Voltage and Current

Operating Voltage: 12 to 30 V dc Current Draw: 400 mA maximum

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Light Source

Three high-intensity LEDs; see models table for color temperature

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

316 stainless steel housing, polycarbonate or glass window with Viton seal, 316 stainless steel M30 mounting nut, FDA grade silicon base gasket

Mounting

 30×1.5 mm thread base mount

Connections

Integral 5-pin M12 quick disconnect fitting; 4-pin connecting cordset required for quick disconnect fitting models; only 2 wires used

Environmental Rating

IEC IEC IP67, IEC IP69K per DIN 40050-9



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

Operating Conditions

-20 °C to +50 °C (-4 °F to +122 °F)

95% maximum relative humidity (non-condensing)

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.

Storage Temperature

-40 °C to +70 °C (-40 °F to +158 °F)

95% maximum relative humidity (non-condensing)

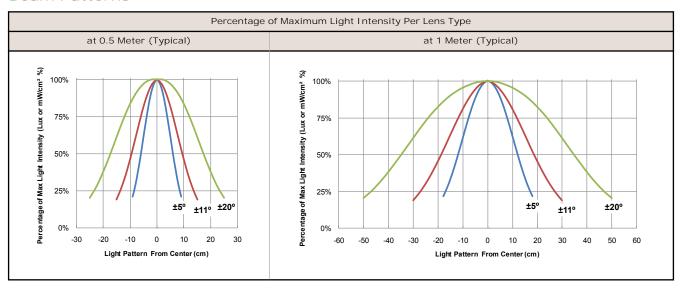
Certifications

Approvals are pending

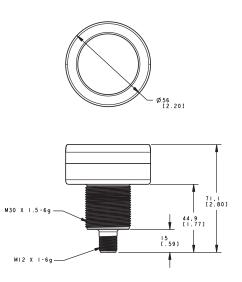


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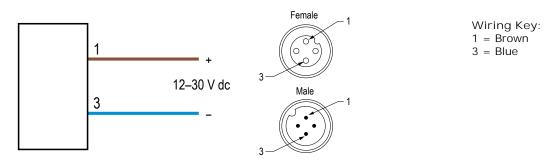
Beam Patterns



Dimensions



Wiring



Accessories

Cordsets

Standard Cordsets

Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	1.83 m (6 ft)			
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)	Straight	M12 x 1	
MQDC-450	15.2 m (50 ft)		ø 14.5	1-
MQDC-406RA	1.83 m (6 ft)		, 32 Typ.	4
MQDC-415RA	4.57 m (15 ft)		[1.26"]	
MQDC-430RA	9.14 m (30 ft)		30 Typ.	1 = Brown 2 = White
MQDC-450RA	15.2 m (50 ft)	Right-Angle	M12 x 1	3 = Blue 4 = Black

Washdown Rated Cordsets

Polypropylene jacket and connector body, stainless steel coupling nut

5-Pin Threaded M12/Euro-Style Cordsets—Washdown, with Shield							
Model	Length	Style	Dimensions	Pinout (Female)			
MQDCWD-506	1.83 m (6 ft)			2			
MQDCWD-530	9.14 m (30 ft)	Straight	42 Typ. [1.657] 0 15.0 [0.577] M12 x 1	1 = Brown 2 = White 3 = Blue 4 = Black 5 = Gray			

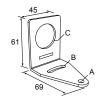
Mounting Brackets

All measurements are in mm

SMB30A

- Right-angle bracket with curved slot for versatile orientation
- Clearance for M6 (¼ in) hardware
- Mounting hole for 30 mm sensor
- 12-ga. stainless steel

Hole center spacing: A to B=40 Hole size: A= \emptyset 6.3, B= 27.1 x 6.3, C= \emptyset 30.5



SMB30SC

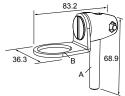
- Swivel bracket with 30 mm mounting hole for sensor
- Black reinforced thermoplastic polyester
- Stainless steel mounting and swivel locking hardware included

Hole center spacing: A=ø 50.8 Hole size: A=ø 7.0, B=ø 30.0



SMB30FA

- Swivel bracket with tilt and pan movement for precise adjustment
- Mounting hole for 30 mm sensor
- 12-ga. 304 stainless steel
- Easy sensor mounting to extrude rail T-slot
- Metric and inch size bolt available



Bolt thread: SMB30FA, A= 3/8 - 16×2 in; SMB30FAM10, A= M10 - 1.5×50

Hole size: B= ø 30.1

SMBAMS30RA

- Right-angle SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90° + rotation
- 12-ga. (2.6 mm) cold-rolled steel

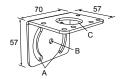
Hole center spacing: A=26.0, A to B=13.0 Hole size: A=26.8 x 7.0, B=Ø 6.5, C=Ø 31.0



SMB30MM

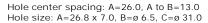
- 12-ga. stainless steel bracket with curved mounting slots for versatile orientation
- Clearance for M6 (¼ in)
 hardware
- Mounting hole for 30 mm sensor

Hole center spacing: A = 51, A to B = 25.4Hole size: $A = 42.6 \times 7$, $B = \emptyset 6.4$, $C = \emptyset 30.1$



SMBAMS30P

- Flat SMBAMS series bracket
- 30 mm hole for mounting sensors
- Articulation slots for 90° + rotation
- 12-ga. 300 series stainless steel





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