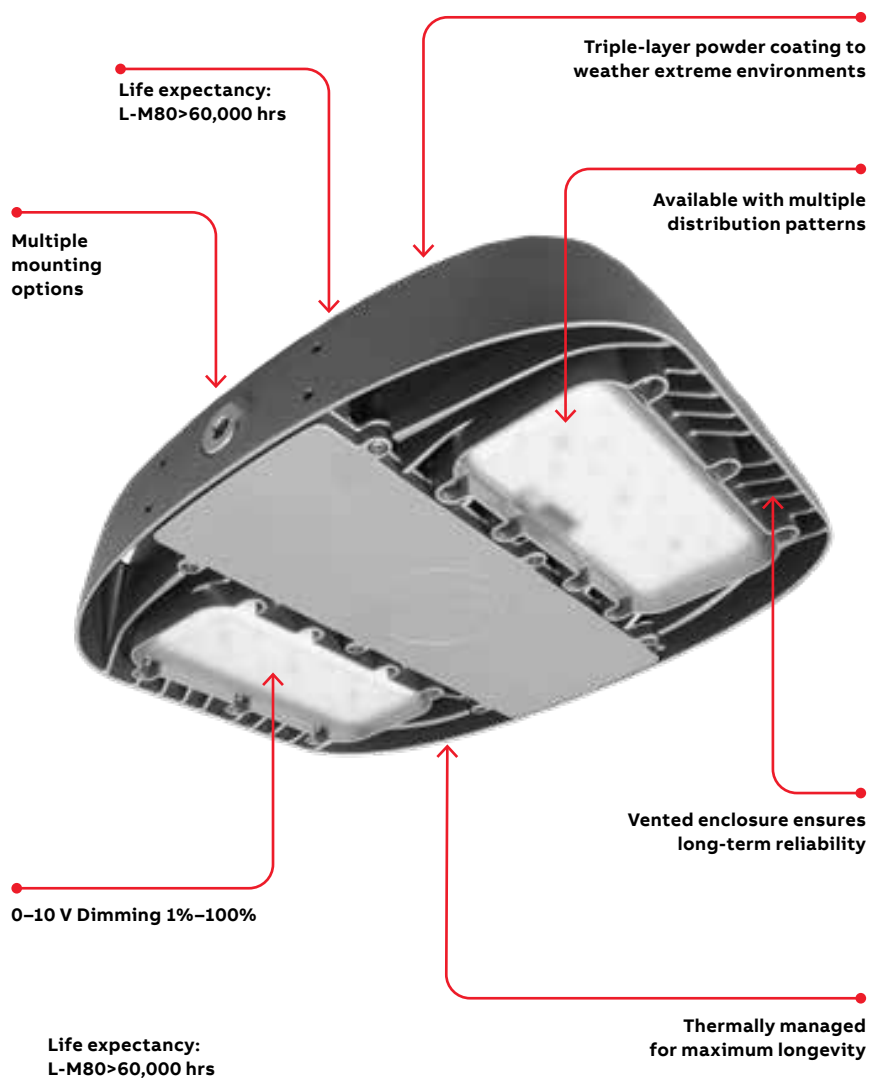


SMR LED

The unique combination of flexibility and robust design allows the implementation of this light fixture in various new or existing facilities. The SMR not only exceeds the expectations of an HID replacement, but establishes a new benchmark in versatility for industrial LED lighting.



CLASSIFICATION

CLASS I	
Division 2	Groups A, B, C, D
Zone 2	Group IIC
CLASS II	
Division 2	Groups F, G
Zone 22	
CLASS III	

Contact your ABB sales representative to verify classification

CERTIFICATIONS AND RATINGS



Not all DL series are DLC qualified. For all qualified products, please visit: www.designlights.org/qpl



UL844
UL1598A
UL8750



IP66/67

Applications

Hazardous locations
Indoor lighting
Tunnel lighting
Industrial facilities
Refinery and petrochemical facilities

SMR LED

Key features and benefits

Features

- Extremely robust
- Thermally managed for longevity
- Easy field angle adjustment
- Operating temperature -40°F to 131°F (-40°C to 55°C)
- Sealed to IP66
- Extreme vibration resistance

Junction box

- Direct heat transfer from power supply to external case for optimal performance
- Plenty of wiring space for optional accessories (contact your ABB representative for custom options)
- ¾" NPT entry
- IP 66/67 rated, suitable for wet locations

Thermal management

- Ample surface area of head ensures LEDs are kept running at maximum efficiency, even at 131°F (55°C) temperature
- Unique heat sink design creates increased airflow for optimal LED and power supply operating temperature
- Physical separation of electronics for increased system reliability
- Perimeter band adds ruggedness and channels heat through fins with laminar flow principles

Light engine

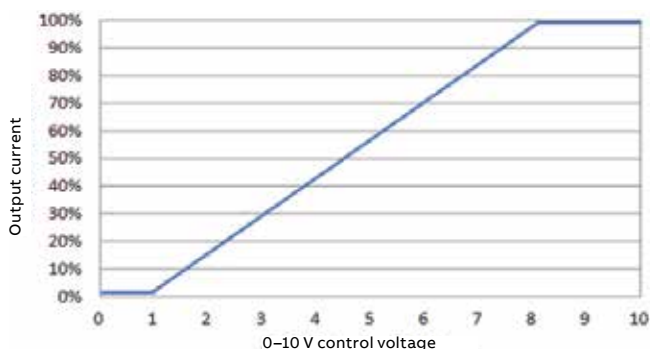
- Metal core PCB (MCPCB)
- Modular optics

Output

3050 to 6265 lumens

Dimming

Driver will source a maximum of 200 µA for control needs. A controller must sink current from 0–10 V control leads.



Color temperature

Available standard 5000 K, with additional color temperatures available from 2700 to 6500 K.

Temperature codes

T4	Class 1, Div 2, Groups A, B, C, D
	Class 1, Zone 2, Group IIC
T4A	Class II, Div. 2, Groups F, G

Nichia LEDs

- Proven reliability
- High efficiency
- Superior CRI (80+)

Housing

- Copper-free high pressure die-cast aluminum case
- Triple-layer coating suitable for marine applications
- Physical separation between power supply and LEDs
- Lens and case are designed to withstand severe impact

Power supplies

- Two input ranges for ultimate flexibility
- Utilizes high performance LED drivers for better efficiency and up to 100,000 hours of maintenance-free operation
- Built-in junction box with ¾" NPT entry

Frequency	120-277VAC 50/60 Hz
	347VAC 60 Hz
Power	SMR3: 26 W (Cut) - 29 W (R2, OC, SF)
	SMR6: 51 W (Cut) - 57 W (R2, OC, SF)
Current	SMR3: AC - 0.25A@120 VAC HV - 010A@347 VAC
	SMR6: AC - 050A@120 VAC HV - 020A@347 VAC

Warranty

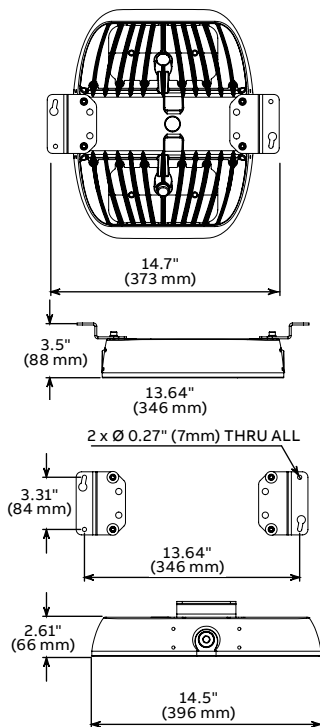
5 years

SMR LED

Mounting options

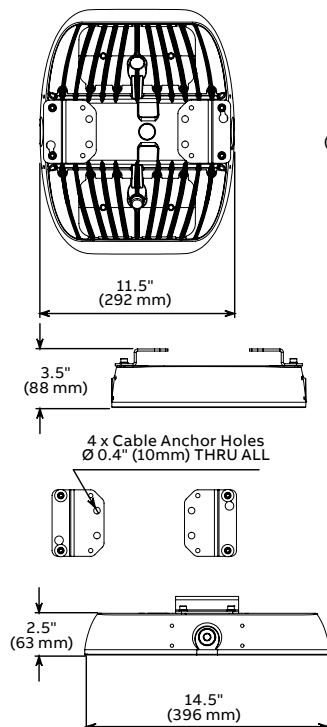
Surface mount (included standard)

5.3 kg | 11.7 lbs



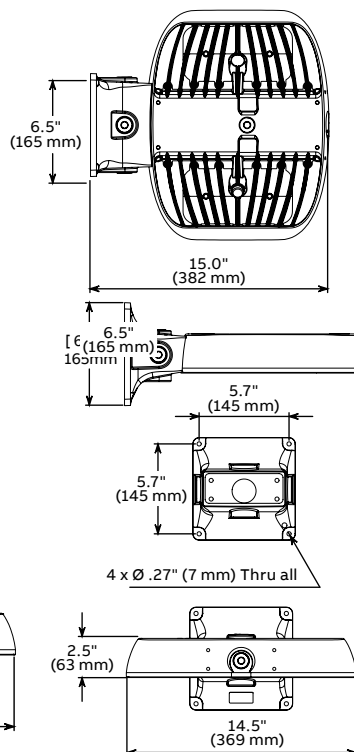
Suspended mount (included standard)

5.3 kg | 11.7 lbs



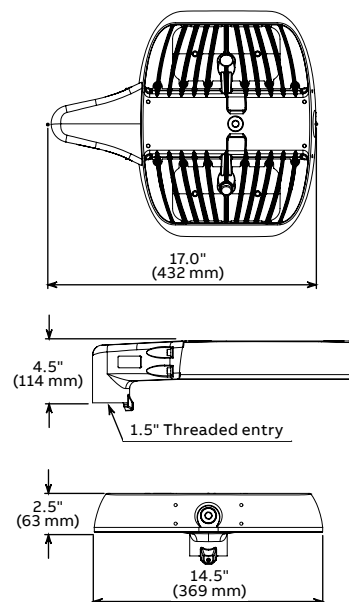
Wall pack mount SMR-WM (optional accessory)

6.8 kg | 15 lbs



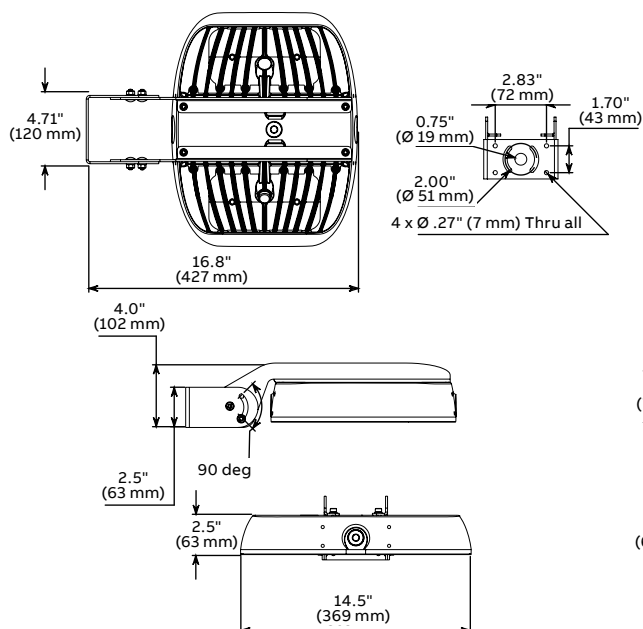
Pole mount SMR-PM (optional accessory)

5.6 kg | 12.4 lbs



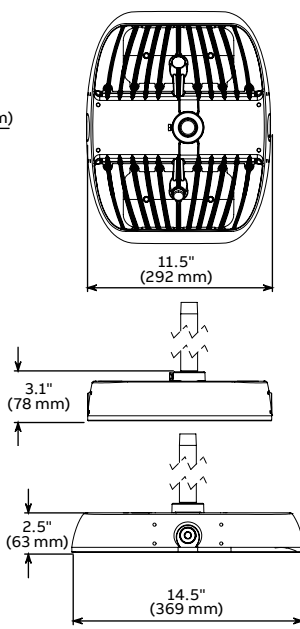
Yoke mount SMR-YM (optional accessory)

6.3 kg | 13.9 lbs



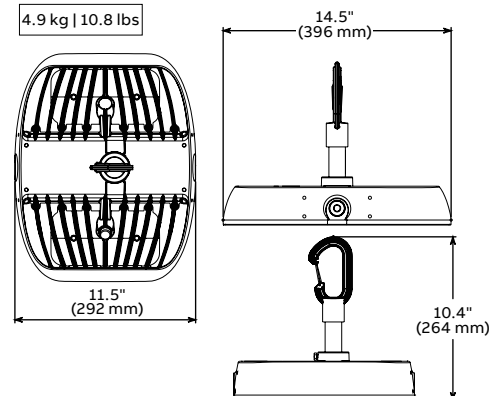
Conduit connection SMR-CC (optional accessory)

5.3 kg | 11.7 lbs

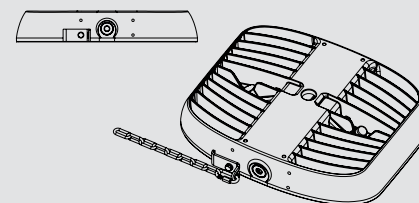


Hook pendant mount SMR-HK (optional accessory)

4.9 kg | 10.8 lbs



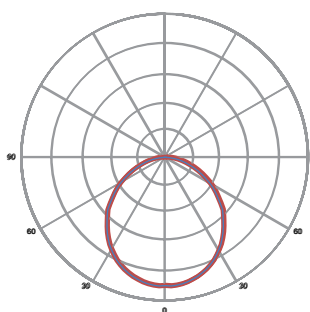
Secondary safety SMR-SS



SMR LED

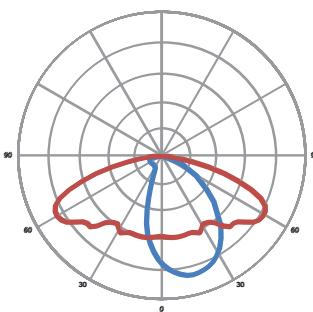
Optic options

CUT – Wide beam (no optic)	
Model	Lumen output (CW)
SMR3	3050
SMR6	5650



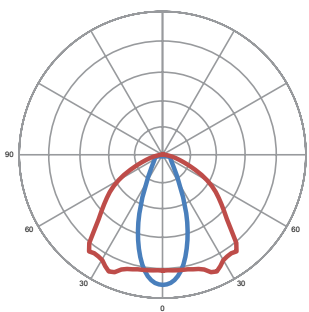
BUG rating : B2-U0-G1

R2 – IESNA Type 2	
Model	Lumen output (CW)
SMR3	2980
SMR6	5520



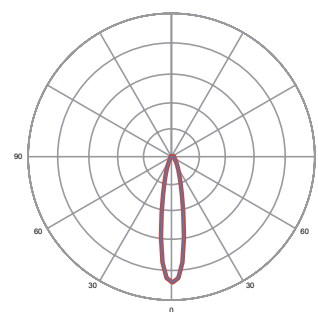
BUG rating : B1-U0-G1

OC – Oval 26° x 108°	
Model	Lumen output (CW)
SMR3	3290
SMR6	6090



BUG rating : B3-U2-G1

SF – Spot 18°	
Model	Lumen output (CW)
SMR3	3380
SMR6	6265



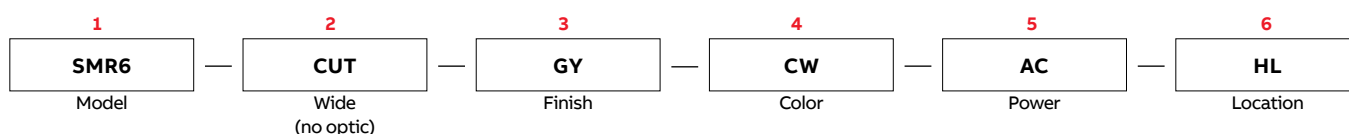
BUG rating : B4-U2-G1

Standard offering above, 13 alternate optical profiles available upon request.

Contact sales representative for further details. Minimum order quantities, additional costs and lead times may incur.

Numbering system

Lighting fixture



Lighting fixture

Part	Part number	Description
1 Model	SMR3	2980 to 3380 Lumens
	SMR6	5520 to 6265 Lumens
2 Optic	R2 ¹	IESNA Type 2
	OC ¹	Oval 26° x 108°
	SF ¹	Spot 15°
	CUT	Wide (no optic)
3 Finish	GY	Gray
4 Color	CW	Cool white (5000 K)
5 Power	AC	120 to 277 V AC
	HV	347 V AC
6 Location	HL	Hazardous location
7 Market	U	U.S. market
	Blank	Canadian market

Accessories (sold separately)

SMR-WM-GY	Wall pack mount
SMR-PM-GY	Pole mount
SMR-YM ²	Yoke mount
SMR-CC-GY	Conduit connection
SMR-HK-GY	Hook pendant mount
SMR-SS	Secondary safety

¹Option subject to extended lead time

²Only available in stainless steel