

LED Area Lights

Installation, Operation & Maintenance Manual

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The Parker LED area lights represent the future of energy efficient illumination for hazardous locations. The Class I, Div. 2 LED area lighting fixtures consume less energy compared to traditional light sources, while reducing maintenance. The body construction is designed for outdoor locations, where dirt, corrosion, vibration and rough usage may be present. The assembly incorporates cutting edge LED technology, along with proprietary driving circuitry to achieve an energy efficient and safe light source.

Mechanical Information

Size (W x H x D):

- LED-1: 2-1/4" x 2-1/4" x 3-1/4"
- LED-3: 6-1/4" x 2-3/4" x 4"
- LED-6: 6-1/4" x 4-3/4" x 4"

Weight:

- LED-1: 1.5 lbs. (0.68 kg.)
- LED-3: 3 lbs. (1.36 kg.)
- LED-6: 4.5 lbs. (2.04 kg.)

Cabling: 3ft. – 16AWG SOOW Power Cord

Body Construction: Powder Coated Aluminum

Lens: Glass

Electrical Ratings

Operating Voltage: 10.5 to 32 VDC

Power Consumption:

- LED-1: 12 Watts MAX
- LED-3: 31 Watts MAX
- LED-6: 47 Watts MAX

Ambient Temp Max: +104°F (40°C)

Temperature Code: T3C

Operating Temp: -40°F to +200°F (-40°C to +94°C)

Certifications:

- Class I, Div. 2, Groups A, B, C, & D
- UL 844
- UL 2108
- UL 8750

CAUTION

To reduce the risk of ignition of hazardous atmospheres, disconnect the luminaire from the supply circuit before opening. Keep tightly closed when in operation.

WARNING

To avoid the risk of fire, explosion, or electric shock, this product should be installed, inspected, and maintained in accordance with all applicable electrical codes and these instructions.

WARNING

To avoid electrical shock:

- Be certain electrical power is OFF before and during installation and maintenance
- Product must be supplied by a wiring system with an equipment grounding conductor

WARNING

To avoid burning hands, make sure lens and housing are cool when performing maintenance.

WARNING

To avoid explosion:

- Make sure the supply voltage is the same as the product voltage
- Do not install where the marked operating temperatures exceed the ignition temperature of the hazardous atmosphere
- Do not operate in ambient temperatures above those indicated on the product nameplate.
- Use proper supply wiring as specified on the product nameplate
- Before opening fixture housing or wiring junction box, ensure hazardous gases are not present and electrical power to the product is turned OFF

WARNING

For Outdoor installation only, NOT for Indoor use.

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Mounting Instructions

1. Drill ¼" hole in desired mounting location. (**NOTE:** The center of your hole will be the exact center of the light. Make sure to measure the location of your hole before drilling.)
2. Insert stud mount through the ¼" hole and attach the nylon-locking nut.
3. Using a 10mm socket or wrench, tighten the nut to a maximum torque of 20 ft/lbs.
4. Loosen the nylon-locking nut on bracket to adjust the vertical angle to the desired position. Re-tighten the nut once the desired position has been reached.

Wiring Instructions

1. Attach provided cord-grip fitting to an area-approved wiring junction box.
2. Complete the wiring inside the box in accordance with all applicable electrical codes. Ensure provided fuse is attached to positive voltage supply wire (White).
 - a. White Wire = + Voltage
 - b. Black Wire = - Voltage
 - c. Green Wire = GND
3. Adjust the cable length through the cord-grip fitting and tighten the cap to create a seal around the cable.
4. Close and seal the junction box.

NOTE

Use only with listed max. 24VDC, 100W low voltage power supply.

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Safety Guide – See www.parker.com/safety.

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