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MODEL LED900 SURFACE MOUNT

SAFETY SUMMARY

FRC lighting products are engineered and manufactured with safety in mind. It is critical that FRC scene lights are installed, maintained, and operated correctly. Read and understand all instructions before installing, performing maintenance, or operating.

All components, equipment, and installation procedures shall conform to NFPA 1901, *Standard for Automotive Fire Apparatus* and NFPA 70 *National Electrical Code*.

General Safety Precautions

Ensure power is off prior to connecting or disconnecting wires and plugs or performing maintenance.

Scene lighting lampheads are designed for outdoor use and will be extremely hot when operating. Do not use in areas of limited ventilation.

Installation Safety Precautions

Ensure power is off prior to connecting wires or cable to the power source.

Connect the LED light to a 12 to 30 volt DC power source.

Ensure an appropriate sized circuit protection device is installed (circuit breaker or fuse).

Use a minimum of 12 AWG to connect DC lights.

FRC lights are intended for mounting to a noncombustible surface only. Do not install insulation within 76 mm (3 in) of any part of the light, lighting fixture, or its components.

Install approved rubber or plastic grommets or bushings where wires or cable will pass through a surface.

Ensure all wire connectors or terminals provide a positive mechanical and electrical connection.

Electrical connections not enclosed in a box must be covered with an insulation equivalent to that on the conductors.

Lights are extremely hot when operating, do not mount such that personnel or equipment could inadvertently come in contact with the light.

INSTALLATION INSTRUCTIONS

Install LED900 Surface Mount Light

Before mounting check the identification label on the light for specific voltage and current requirements. Check that the length of the wiring is correct.

Note: Before drilling holes place the light in position to check for fit. Ensure that the light will clear all obstructions.

1. Measure and mark the mounting hole locations and through hole for the wiring. Refer to drawings on page 2.

Note: The mounting holes through the light bezel are clearance for #10 screws.

2. Drill the four (4) mounting holes and wire feed thru hole.

Note: Ensure that the light is mounted with the word TOP on the lens up.

3. Connect the wiring, place the two (2) mounting gaskets in position on each side of the light and secure the light with four (4) screws. Ensure that the strain relief/weather seal for the wiring is aligned and seated correctly against the mounting surface.



LED900 Surface
Mount Light

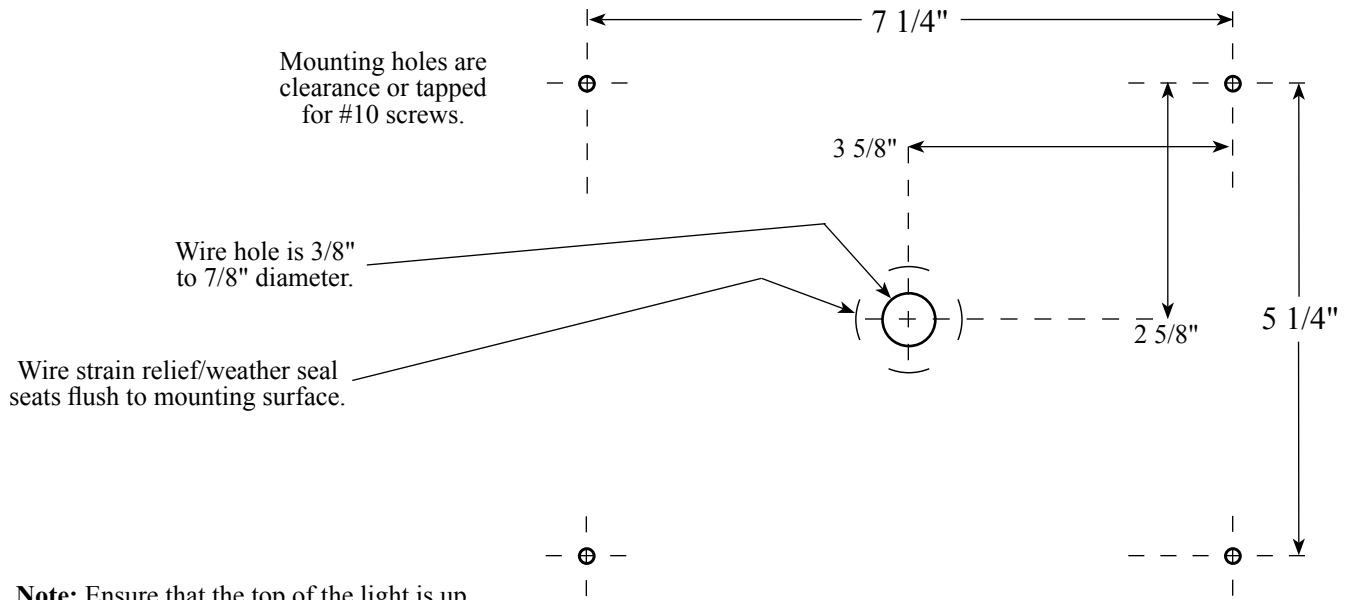
Wiring 12/24 VDC

Connect the RED wire to POWER.
Connect the BLACK wire to GROUND.

Install LED900 Surface Mount Light

NO CUTOUT REQUIRED

Drill four (4) holes for #10 screws and one (1) centered hole 3/8" to 7/8" diameter for the wires.



Note: Ensure that the top of the light is up. The lens redirects the light down along the vehicle and out onto the working area. It must be mounted with the word **TOP** up.

