

**LIGHTING
PRODUCTS**

**Kwik-Strike
4000**

**MODEL KR-4000
BODY 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*.

The following safety precautions shall be observed.

General Safety Precautions

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

Scene lighting is designed for outdoor use and can 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 only to the type of power source as indicated on the lamphead identification label.

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

Use a minimum of 16 AWG wire to connect AC lights and 12 AWG to connect DC lights.

Kwik-Strike lights are intended for mounting to a noncombustible surface only. Recessed fixtures require a minimum of 3 inches clearance between wall insulation and the housing.

Install approved rubber or plastic grommets or bushings where wires or cables 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.

Lampheads will be extremely hot when operating, do not mount such that personnel or equipment could inadvertently come in contact with the lamphead.

Maintenance Safety Precautions

Ensure power is off prior to removing the front glass or opening covers.

Do not operate the light with the front glass removed or cover opened.

Ensure replacement bulbs have the same voltage and wattage rating.

When handling a new quartz halogen, HIR, or HID bulb avoid touching it except on the flat seal at either end.

Use a clean soft cloth to wipe the reflector clean if necessary, do not use liquid or aerosol cleaners.



Left



Right

Refer to the Safety Summary before installing or performing maintenance.

There are left and right fixtures with the bulb and reflector installed in the casting in the correct orientation for a horizontal or downward angle beam pattern. The wires exit the fixture at the side of the casting.

Install Body Mount

Optimum mounting height for the body mount recessed fixture is 7 to 9 feet above the ground.

1. Measure and mark mounting location for panel cutout.
2. Cut out a 9 1/2" by 5 3/4" mounting hole.
3. Place the fixture in position to check for fit and clearance around and behind the light fixture.
4. Mark mounting screw locations. The fixture can be used as a template.
5. Drill mounting screw holes. The fixture holes are clearance for #10 screws.

Note: Wires may need to be connected before installing the recessed fixture.

6. Ensure the gasket is installed between the fixture and the mounting surface.
7. Ensure that approved strain relief for the wiring is installed. Set the fixture in place.
8. Secure the fixture with mounting screws.

Wiring

12/24 VDC

Connect the BLACK wire to GROUND.

Connect the WHITE or RED wire to POWER.

120/240 VAC

Connect the GREEN wire to chassis GROUND.

Connect the WHITE wire to NEUTRAL (LINE 1 for 240V).

Connect the BLACK wire to POWER (LINE 2 for 240V).

Bulb Replacement Notes

Ensure the replacement bulb has the same voltage and wattage rating.

The lens frame is removed to replace the bulb. Eight screws hold the lens frame in place.

Clean the lens and gasket before re-assembling.

Torque the screws 15 to 18 in-lb when re-installing.

