



INSTALLATION INSTRUCTIONS

KWIK-STRIKE 4000™ SERIES SCENE LIGHT

Warning: Please read all instructions and warnings prior to installation. Power must be disconnected prior to installation or servicing. This luminaire must be installed and operated per NFPA 70 National Electric Code, and all applicable codes and regulations. These instructions are provided as a guideline for proper installation.

HARDWARE & COMPONENTS:

<u>Qty.</u>	<u>Description</u>	<u>Part #</u>
4	#10 X 3/4" Phillips Flat Head Sheet Metal Screw	GSM34151
1	Mounting Gasket	KRM000023

INSTALLATION:

1. Mounting:

- Determine the best location to mount the fixture. Optimum installation height is between seven and nine feet above ground level.

Caution: Before cutting or drilling holes, ensure that the mounting surfaces are clear of obstructions and that the screws will not damage internal parts of the vehicle.

- Use the supplied template to cut a suitable 9-17/32" x 5-3/4" mounting hole in the location where the fixture is intended to be installed.
- Drill suitable mounting holes for the appropriate mounting hardware. The supplied template may be used, or the fixture itself may be set in place and used as a template.
- Attach the mounting gasket to the flange on the fixture.

Caution: Failure to install the gasket may permit water entry into the vehicle.

- Install the fixture in the mounting hole and secure it with suitable mounting screws. The mounting screws supplied are intended for use in sheet metal of at least 1/8" thickness. It is recommended to wax the screws prior to installation.

Caution: Ensure that the fixture is secure and the gasket is tightly compressed to prevent water from entering the vehicle. Havis-Shields does not warrant that the mounting hardware or gasket supplied are suitable for all installations; suitability for an installation is the sole responsibility of the installer.

- Connect the wires as directed below, and test for correct operation.

2. Wiring:

- All wiring must be connected per applicable codes.
- Connect wires following the appropriate diagram on next page.
- Test the light for proper operation.

For 120 volt AC Fixtures:

- All 120 volt AC fixtures have three (3) wires. The green wire is always ground. Attach the black wire to 120 volt HOT and the white to 120 volt NEUTRAL.



For 12 VDC Fixtures:

- All versions have a red and black wire or a white and black wire. Attach the red/white wire to positive 12 VDC and the black wire to negative.



3. Maintenance:

- Make sure power is off before performing any maintenance on the fixture.
- Loosen the lens frame screws and remove the lens frame.
- To replace a halogen bulb, remove the bulb by unscrewing it from the socket. Replace the bulb with a similar type, 250W maximum.

Caution: Do not touch the bulb glass or fixture reflector. If necessary, clean with isopropyl alcohol.

- Clean the lens and gasket area before re-assembling the fixture.
- Re-assemble the fixture, ensuring the lens frame screws are tightened to 15-18 in-lb torque.
- Test for proper operation.

4. Troubleshooting:

- In the event of improper operation, for halogen fixtures, first check the bulb and replace it if it is burned out.
- If the halogen bulb is okay, or for an HID fixture, use a voltmeter to ensure that the fixture is receiving adequate power. Halogen fixtures require 120vAC and HID fixtures require 12VDC for proper operation. Correct any faults found.
- If necessary, contact Havis-Shields for additional troubleshooting procedures.

KWIK-STRIKE 4000™ SERIES MOUNTING TEMPLATE

NOTE: IF PRINTING THIS TEMPLATE FROM A PDF:

- (1) ENSURE THE TEMPLATE IS PRINTED WITH NO SCALING (100% SIZE)
- (2) MEASURE THE TEMPLATE TO ENSURE IT IS PRINTED CORRECTLY BEFORE USING IT

IN ALL CASES, IT IS RECOMMENDED TO USE THE FIXTURE HOUSING FOR DRILLING

CUT OUT THIS SECTION

9-17/32" X 5-3/4"

**DRILL FOUR HOLES AS SHOWN
9-29/32" X 6-3/8"**