



EAGLE MOUNTAIN FLAG & FLAGPOLE

INSTALLATION/WIRING GUIDE FOR DOME DOWNLIGHTS LIGHT/TRUCK COMBO

WARNING: Always install fixture(s) according to National Electrical Code (NEC) and local codes. Failure to do so will void the warranty and could cause damage to the fixture(s) or may result in personal injury.

CAUTION: DO NOT WIRE DOME DOWNLIGHT DIRECTLY TO LINE VOLTAGE. THE LINE VOLTAGE (110,208,277) AND THE LOW VOLTAGE WIRE PROVIDED MUST BE CONNECTED INSIDE THE POWER SUPPLY LOCATED INSIDE THE SEBCO ENCLOSURE BOX PROVIDED.

PREPARING YOUR FLAGPOLE BEFORE YOU BEGIN WIRING YOUR FLAGPOLE LIGHT

INTERNAL HALLYARD FLAGPOLE: The end user is required to tap a hole at 3/8" approximately 1-2 inches below the top of the flagpole for the wiring (this should be low enough to clear the bottom of the truck threads on the inside). This hole allows the wiring to re-enter the pole, concealing it from being exposed to weather extremities. The hole must be tapped on the opposite side of the truck pulley, just below the thread. The hole is to be tapped at 3/8" and rounded out to prevent wires from wearing against a rough edge. This does not, in any way, damage the structural integrity of the pole, nor should it void any warranties on your pole. It does, however, allow for easy installation of your flag pole downlight.

EXTERNAL HALLYARD FLAGPOLES: No extra preparation is required.

IMPORTANT: Turn electricity off at the circuit breaker before installing fixture.

Install flagpole light/truck combination at the top of the flagpole per the internal/external flagpole installations. Drop the low voltage wire down through the center of your flagpole. Make sure the low voltage wire exits the flagpole.

DO NOT RUN LINE VOLTAGE (110/208/277) INSIDE THE FLAGPOLE. THE LOW VOLTAGE WIRE ATTACHED TO OUR DOME DOWNLIGHT IS SAFE INSIDE THE FLAGPOLE. LINE VOLTAGE (110/208/277) IS AN ELECTRICAL HAZARD IF IT IS INSIDE THE FLAGPOLE. ALL ELECTRICAL CONNECTIONS MUST BE MADE INSIDE THE POWER SUPPLY*.

The power supply comes in a SEBCO enclosure box. The enclosure box must be mounted OUTSIDE of the flagpole and can be located up to 150' away from the flagpole. **DO NOT PLACE ENCLOSURE BOX INSIDE OF YOUR FLAGPOLE.**

DO NOT BURY THE ENCLOSURE BOX. Identify and attach secondary side wires from LED Driver to fixture wires using wire nuts (not provided). Make sure to observe polarity (blue to blue (+), white to white (-), green to ground). It is strongly recommended to use a color coded 18 gauge 2 strand or 3 strand wire that is provided by Eagle Mountain Flag & Flagpole when wiring the dome downlight inside the power supply LED Driver/Transformer. Mount SEBCO enclosure box outside of the flagpole taking special care not to pinch wires. Coat any remaining exposed threads with thread sealant.

Apply silicone grease to all exposed screws. Supply power to the fixture and check to see that it is operating properly.

*If you are connecting the Dome Downlight to a solar power source you will not need a driver/transformer with enclosure box. The Dome Downlight can be connected directly to 24VDC

NOTE: THIS FIXTURE CONTAINS ELECTRONIC COMPONENTS THAT CAN BE SENSITIVE TO VOLTAGE SURGES AND LIGHTNING. EAGLE MOUNTAIN RECOMMENDS THAT ALL SYSTEMS BE PROPERLY GROUNDED AGAINST TRANSIENT ELECTRICAL SURGES. WE PROVIDE GROUNDING SYSTEMS FROM THE LIGHT SOURCE TO THE DRIVER. ALL GROUNDING LUGS MUST BE PROPERLY ATTACHED. A RESISTANCE READING BETWEEN 10-30 OHMS IS RECOMMENDED (THE LOWER THE BETTER). SURGE PROTECTION IS AVAILABLE FOR YOUR ELECTRIC SERVICE PANEL THROUGH THE MANUFACTURER.

NOTE: FIXTURE MUST BE INSTALLED BY A LICENSED ELECTRICIAN. THESE INSTRUCTIONS DO NOT COVER ALL DETAILS OR VARIATIONS IN EQUIPMENT, NOR DO THEY PROVIDE FOR EVERY UNCERTAINTY RELATED TO INSTALLATION, OPERATIONS, MAINTENANCE OR MOUNTING CONTINGENCY. SHOULD SPECIFIC PROBLEMS OCCUR THAT ARE NOT COVERED SUFFICIENTLY FOR THE PURCHASER'S PURPOSE, CONTACT EAGLE MOUNTAIN FOR ADDITIONAL PRODUCT OR APPLICATION INFORMATION. IMPROPER INSTALLATION AND/OR UTILIZATION WILL VOID MANUFACTURER'S WARRANTY.