

V-Spring™ Telescoping Light Pole

Installation & Maintenance Information

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

APPLICATION

V-Spring Telescoping Light Poles are intended for use with Crouse-Hinds Series VMV, DMV and LMV Luminaires and JM5 and PM5 luminaire fittings. Typical installations are as follows:

- Industrial walkways, platforms, stairways and conveyors where OSHA/HSE regulations require fall prevention equipment
- Hard to reach or dangerous areas where safety is a big concern
- Hazardous and harsh environments subject to vibration and extreme temperatures

CERTIFICATIONS AND COMPLIANCES

The V-Spring Telescoping Light Pole is listed for use in hazardous areas in select configurations when following NEC/CEC wiring practices and assembled with VMV, DMV and LMV Series luminaire housings and fixture hoods.

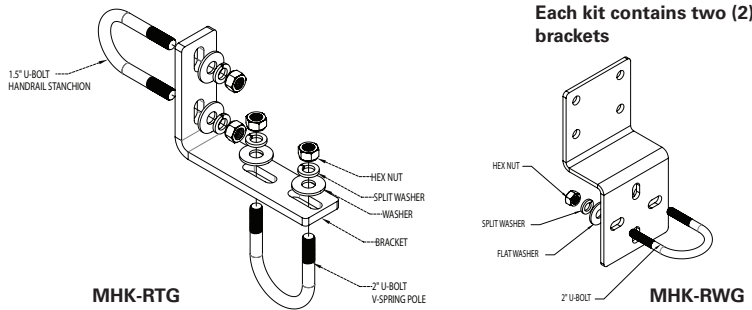
- NEC/CEC:
V65H-G, -GC, -A, -AC, -S, -SC, JM5, PM5
V65W-G, -GC, -A, -AC, -S, -SC, JM5, PM5
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Division 2, Groups F, G

- NEMA 4 rated and dusttight compliant to NEMA 250

INSTALLATION

⚠ WARNING - EXPLOSION HAZARD

To avoid hazard: Electrical power must be OFF before and during installation and maintenance. This product should be installed, inspected and maintained by a qualified electrician only, in accordance with all applicable electrical codes.



Wall or Stanchion Mounting (V65W or V65H)

1. Install bracket kits onto the stanchion of the walkway railing (sold separately).
2. If installing a harsh environmental cover onto the V-Spring, pull the pre-wired leads coming out of the top of the V-Spring pole through the harsh environmental cover and slide it down the top of the pole until right above the locking collar.

NOTE: It is recommended practice that the installer apply Crouse-Hinds Series STL Thread Lubricant to the threads on the top and bottom of the pole to protect against corrosion and prevent ingress of moisture into the electrical system.

3. Pull the wire leads coming out of the top of the pole through the luminaire mount, then thread the luminaire mount onto the pole and tighten 1-2.5 turns past finger tight. Make sure to tighten the set screw on the luminaire mount.

NOTE: Use of a listed ordinary location Condulet® or outlet box can be used in a hazardous area when following wiring practices of CEC/NEC. Further, use of a Crouse-Hinds Series GUA, EAB or EAJ Explosionproof Outlet Box can be used (or product of equivalent design and rating).

4. Mount the V-Spring into the brackets and leave a few inches between the bottom of the pole and the Condulet Outlet Box for wiring.
5. With the pole secure in place, connect supply wire leads to V-Spring pole wire leads using methods that comply with applicable codes.
6. Loosen the U-bolts on the brackets holding the V-Spring in place and connect the pole to the electrical raceway.
7. Make sure to place the wrench on the 2" bottom pole or 1-1/2" hex fitting to tighten. Turn the wrench clockwise to 1-2.5 turns past finger tight. Do not attempt to tighten from the 1-1/2" top pole.

NOTE: Electrical raceway connection options: a) threading directly into 1-1/2" Condulet outlet box; b) utilize a union for fast install; c) utilize the 3/4" internal thread on the hex fitting by installing a close nipple into the pole. The close nipple will provide a male thread to mate with the Condulet Outlet Box. *Comments above are manufacturer recommendations. Installer should follow all applicable codes and guidelines for install.*

⚠ WARNING - EXPLOSION HAZARD

If product is installed in a hazardous area, NEC/CEC installation guidelines should be followed.

8. Once pole is installed into Condulet Outlet Box, tighten the U-bolts on the mounting brackets to 36 lbs.-ft. if carbon steel, or 22 lbs.-ft. if stainless steel.

Luminaire

NOTE: Once installed on the V-Spring pole, the assembled luminaire is no longer suitable for hazardous and environmental ratings that exceed or differ from the V-Spring pole.

1. With V-Spring now in place, hang the luminaire housing from the ballast hook on the fixture mounting cover. (**Note:** The max. weight of the fixture(s) cannot exceed 50 lbs.).

NOTE: Instruction on this IF sheet outlines the standard practice to follow when installing a VMV, DMV and LMV Series luminaire housings and JM5 and PM5 luminaire fittings to the V-Spring. It is recommended that the installer reference the relevant installation and maintenance sheet associated with the luminaire being installed to ensure that wiring practice and install guidelines are being followed.

2. Connect supply wires to luminaire wire leads (or terminal blocks) using methods that comply with all applicable codes. Tighten all electrical connections.

⚠ WARNING - COMPRESSED SPRING HAZARD

Exercise caution when loosening the set bolts on the locking collar as the top portion of the pole will rise abruptly if not counter balanced with the weight of a fixture.

3. With one hand firmly on the pole above the position lock, loosen the set bolts using a 1/4" T-handle Allen wrench until the pole is free to move.
4. Align luminaire and clean lens prior to raising light to desired height.
5. Tighten the set bolts on the locking collar to 16 lbs.-ft. to lock into place.

MAINTENANCE

1. In addition to these required maintenance procedures, we recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA 70B: Recommended Practice for Electrical Equipment Maintenance (www.nfpa.org).
2. Frequent inspection should be made. A schedule for maintenance check should be determined by the environment and frequency of use. It is recommended that it should be at least once a year.
3. Perform visual, electrical and mechanical checks on all components on a regular basis.
 - Visual checks for undue heating evidenced by discoloration of wires or other components, damaged parts or leakage evidenced by water or corrosion.
 - Electrically check to make sure that all connections are clean and tight.
 - Mechanically check that all parts are properly assembled.

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Eaton's Crouse-Hinds Division's "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.