

## Installation Instructions for Mercmaster™ LED Low Profile Luminaires to Crouse-Hinds Champ Series Mounting Hoods

**FOR PROPER & SAFE INSTALLATION OF THESE PRODUCTS, PLEASE READ THE FOLLOWING INSTRUCTIONS.**

### Applications

- Marine and wet locations.
- Areas where flammable gases and vapors are present under conditions defined by the ratings below.
- Areas of low clearance, low ceiling heights, or where luminaire weights must be minimized.
- Non-hazardous locations where severe weather conditions, excessive moisture, dirt, dust, corrosive atmospheres and high ambient temperatures are encountered.

### Agency Ratings








- Class I, Div. 2, Groups A, B, C and D
- Class I, Zone 2, Group IIC
- Class II, Div. 2, Groups F & G
- Class III
- Type 3R, 4 and 4X
- Wet Locations
- Marine outside type (salt water) NOTE: For U.S. applications only.

### Product Safety

#### Signal Words Defined

**DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury. **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury. **CAUTION** indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. **NOTICE** is used to address practices not related to physical injury.

### Safety Instructions

-  **WARNING:** Do not open or remove the luminaire with the circuit energized.
-  **WARNING:** Do not use this luminaire on ungrounded systems. Failure to ground the luminaire can result in an electric shock, which may be fatal.
-  **WARNING:** Do not use on ungrounded 480 Volt circuits.
-  **CAUTION:** Do not look directly at the LEDs when energized.
-  **NOTICE:** Do not touch the LEDs; touching could leave oily deposits, causing hot spots and potential premature failure.
-  **NOTICE:** When installing in a hazardous location, it is necessary that the globe and all conduit plugs are tightly secured and all luminaire fittings (mounting hood, adaptor hood and luminaire) are tightly secured together to prevent water and dust entry. The globe should be cleaned periodically to maintain lighting efficiency.
-  **NOTICE:** This luminaire is designed for and should be installed in accordance with the National Electrical Code®/Canadian Electrical Code and all local codes.

## Application:

The Mercmaster LED Low Profile adaptors are designed for use where Crouse-Hinds Champ Luminaire mounting hoods are installed and where Appleton Electric Mercmaster LED Low Profile Luminaires are needed. The MMAD-CHVS and MMAD-CHVA adaptors make for a simple conversion to the Appleton Mercmaster LED Low Profile Luminaire family without opening the conduit system. The MMAD-CHVS and MMAD-CHVA mounting hood adaptors will accept the following Appleton Electric Company Luminaires:

- MLLED Series 2, 3 or 4.

The MMAD-CHVS adaptor is compatible with the following Crouse-Hinds Champs Series mounting hoods from the Champ Series product lineup:

- DMV Series:
  - Ceiling Hoods - Cat. No.'s CM2, CM3
  - Pendant & Flexible Pendant Hoods - Cat. No.'s APM2, APMS, HPM2
  - Quad Hoods - Cat. No. QM25

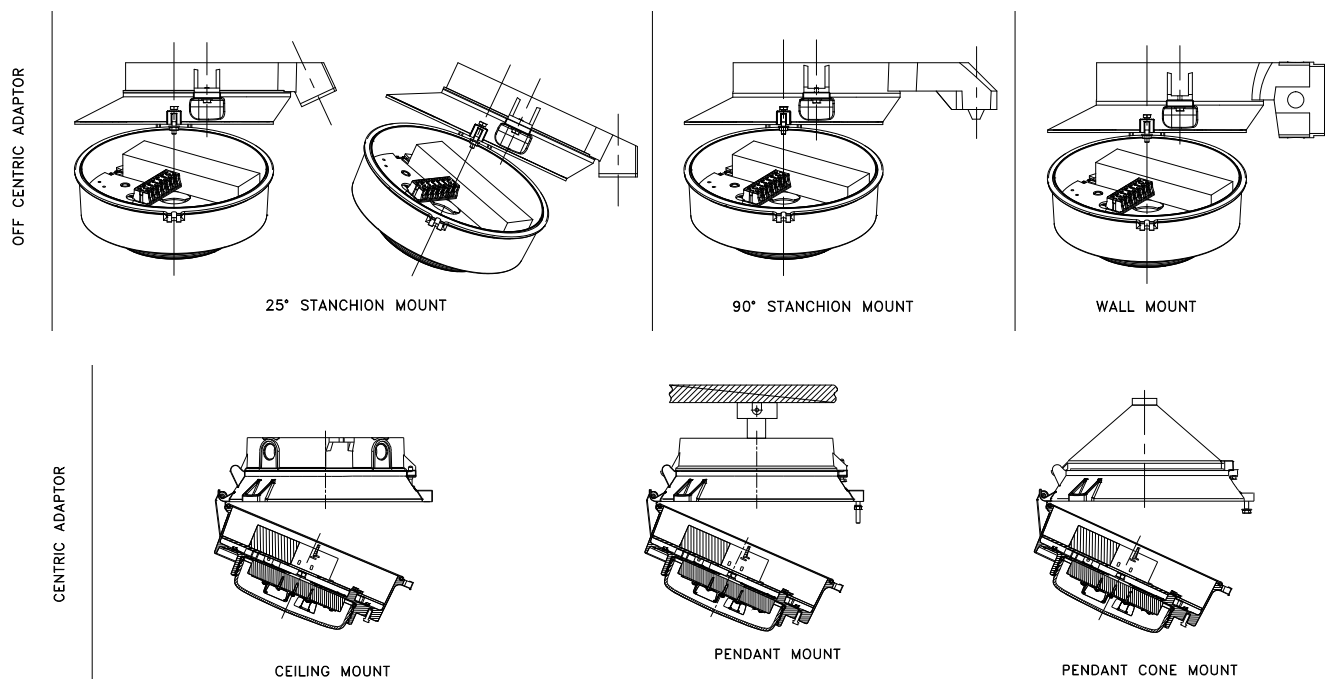
The MMAD-CHVA adaptor is compatible with the following Crouse-Hinds Champs Series mounting hoods from the Champ Series product lineup:

- DMV Series:
  - 25° Stanchion Hoods - Cat. No. JM5
  - 90° Stanchion Hoods - Cat. No. PM5
  - Wall Hoods - Cat. No.'s TWM2, TWM3

**NOTE:** The MMAD-CHVS and MMAD-CHVA Appleton mounting adaptors are not to be used with Crouse-Hinds Champs Series mounting hoods provided with fuses and fuseholders.

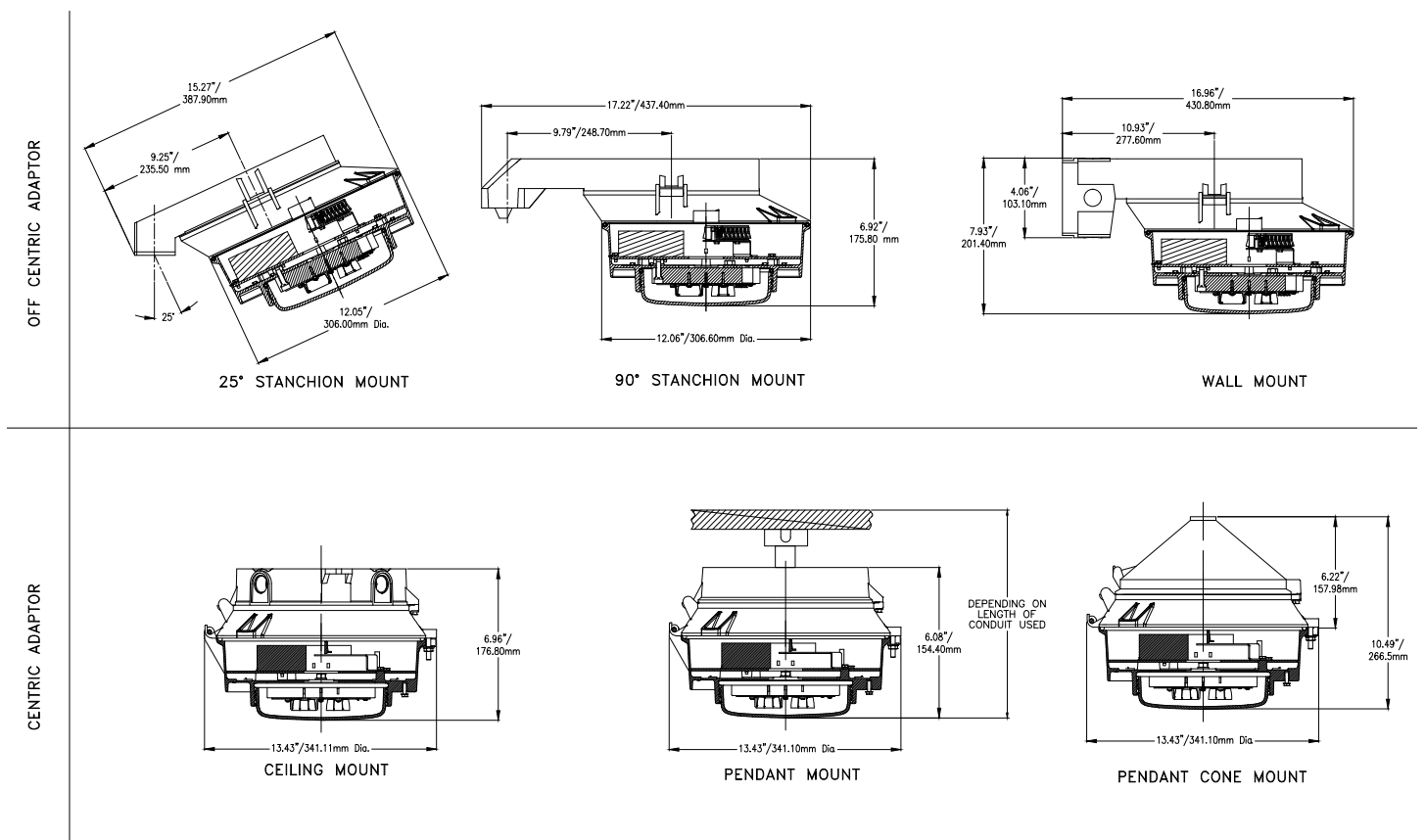
## Installation:

1. Make certain that the Crouse-Hinds Champ Series luminaire has been de-energized before any changes are made to the system.
2. Remove the Crouse-Hinds Champ Series luminaire from its mounting hood according to the Crouse-Hinds removal instructions provided with the original fixture assembly. Questions concerning the removal of the Crouse-Hinds products should be directed towards Crouse-Hinds customer service. Inspect the Crouse-Hinds mounting hood sealing surfaces for any damage.
3. Ensure that the sealing surfaces are clean and free of debris. Wipe with a damp cloth and then dry fully before installation.
4. Refer to **Figure 1** showing Crouse-Hinds Champ Series hoods. Install the Appleton MMAD-CHVS or MMAD-CHVA mounting adaptor onto the Crouse-Hinds Champ Series hood by capturing the hood's hinge and bringing the Appleton mounting adaptor carefully up to the sealing surface of the hood. Make sure to allow the fixture wiring to safely come through the adaptor hood large hole when the luminaire housing sets against. Make sure the wiring includes a ground wire. Tighten down the adaptor hood screw securely to lock in place.



**FIGURE 1 - CROUSE-HINDS CHAMP SERIES HOODS**

5. Now, install the Appleton Mercmaster LED Low Profile luminaire onto the hinge of the adaptor hood, making sure to allow all wiring to come into the luminaire. Connect wiring to the appropriate wiring connections of the integral terminal block in the luminaire housing.
6. Make sure to connect the green ground wire in the LED luminaire to the ground connection in the Champ Series mounting hood. Make sure to connect the green ground wire from the mounting adaptor to the ground connection in the Champ Series mounting hood. Make sure that the electrical grounding connection complies with all applicable codes.
7. After making sure that all electrical connections are made properly, swing the luminaire housing up to seal against the adaptor ring housing and tighten down the nut and bolt combination from the Appleton adaptor ring securely to 30 in-lbs (3.4 N-m).
8. Continue with wiring and installation according to Appleton Group's installation instructions provided with the Appleton Mercmaster LED Low Profile luminaire.
9. Make sure the luminaire globe is tightened securely against the luminaire gasket.
10. Apply power to the luminaire and verify the proper operation of the luminaire.
11. Refer to **Figure 2** for the dimensions for adaptor hoods with their respective Crouse-Hinds mounting hoods.



**FIGURE 2 - DIMENSIONS FOR ADAPTOR HOODS WITH THEIR RESPECTIVE CROUSE-HINDS MOUNTING HOODS**

## Maintenance:

1. Perform visual, electrical and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once per year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA No. 70B: Recommended Practice for Electrical Equipment Maintenance ([www.nfpa.org](http://www.nfpa.org)).
2. The luminaire and adaptor should be cleaned periodically to ensure continued performance. To clean, follow the instruction sheet provided with the Appleton Mercmaster LED Low Profile luminaire. The adaptor may be cleaned using a clean, damp cloth. If this is not sufficient, use a mild soap or a liquid cleaner such as Collinite NCF or DUCO #7. Do not use an abrasive, strong alkaline or acid cleaner. Damage may result. Consult Crouse-Hinds installation instructions for maintenance and cleaning of the Crouse-Hinds Champ Series mounting hoods.
3. Visually check for undue heating evidenced by discoloration of wires or other components, damaged parts, or leakage evidenced by water or corrosion in the interior. Contact Appleton Group for replacement part information.
4. Electrically check to make sure that all connections are clean and tight.
5. Mechanically check that all parts are properly assembled.
6. Do not loosen or remove mounting adaptor swing bolt after installation. Joint between the Appleton mounting adaptor and Crouse-Hinds Champ Series mounting hood shall be considered permanent after installation.

## Replacement Parts:

Appleton MMAD-CHVS and MMAD-CHVA mounting hood adaptors do not have any replacement parts. Should the adaptor break or otherwise become unusable, a complete replacement assembly should be used. Assistance may also be obtained through your local Appleton Group company representative.

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