

**RESTRICTED BREATHING (S826) ADDENDUM**  
**CHAMP® LIGHTING FIXTURES**  
**VMV, LMV, DMV, N2MV, F2MV, AND FMV SERIES**  
**Installation & Maintenance Information**



**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

**INSTALLATION**

Sealing Requirements

**I. MOUNTING:**

- VMV, LMV, DMV, and N2MV Series luminaires:  
Mount the cover module in its support position – pendant, ceiling, Quad-Mount™ wall, or stanchion, following methods that comply with NEC and any local codes. For pendant, stanchion or Quad-Mount™ cover modules, tighten set screw located in the conduit hub to lock in position.
- F2MV and FMV Series floodlights:  
Mount according to the installation instructions included with the luminaire - IF 1412 for the F2MV and IF1226 for the FMV

**II. SEALING:**

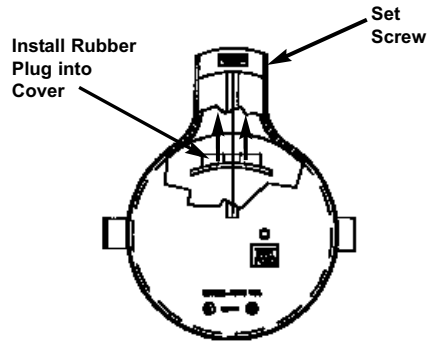
Use one of the following sealing methods to maintain the restricted breathing properties of Crouse-Hinds Champ series Restricted breathing (suffix S826) light fixtures:

**CAUTION**  
 To maintain restricted breathing properties, all conduit or cable entries must be sealed.

**A. Seal according to NEC 505-15 (c)** (using Listed conduit entrance seals).

**B. Alternate sealing method for stanchion mount using RBPS1 rubber sealing plug and wall mount using RBPW1 rubber sealing plug (See Figure 1).**

- Pull wiring conductors through hole in stanchion or wall mount cover (up to 3 - #12 AWG conductors).
- Cut a small slit in the center recess in the middle of the rubber sealing plug and feed the conductors through the plug.
- Push the plug and wiring assembly into the slot in the cover so that it is flush with the contour of the cover.
- Use silicone sealant to seal the plug to the cover and to fill the recess where the wiring comes through the plug.



**Figure 1 - (Stanchion shown)**  
**Typical for both Stanchion and Wall Mount**

**C. Alternate sealing method for pendant mount, ceiling mount, and Quad-Mount™, F2MV and FMV with 3/4" or 1 inch conduit entries using an Electrical Sealing Putty.**

- A maximum of six (6) #12 AWG conductors can be sealed in each conduit entry.
- Form the Electrical Sealing Putty into a ball at least 1 inch in diameter for each conduit entrance.
- Surround each conductor with Electrical Sealing Putty and form into a ball making sure the conductors are separated.
- Carefully push the Electrical Sealing Putty and conductors back into the conduit or liquidtight connector Crouse-Hinds LT-75 (when liquidtight flexible conduit is used) keeping it flush with the conduit or liquidtight connector. Make sure the sealing material surrounds all conductors providing a good seal between the conductors and the conduit or liquidtight connector.
- All conduit entrances must be sealed.
- Unused conduit entrances must be sealed with a suitable pipe plug.

The Electrical Sealing Putty found to be acceptable for maintaining the restricted breathing characteristics of the Champ® Series light fixtures are listed in Table I.

Manufacturer	Designation
Crouse-Hinds	TSC Epoxy
Panduit	Duct Seal (DS-1)

**Table I**

**D. Alternate sealing method for F2MV and FMV floodlights when wiring with portable cord for extra-hard usage.**

- Wire according to IF 1412 for the F2MV and IF 1226 for the FMV using a Crouse-Hinds CGB294 cord connector.
- The CGB cord connector accomplishes sealing when wiring with portable cord for extra-hard usage. No additional sealing is required.

**MAINTENANCE (FOR FIXTURES WITH A TEST PORT)**

When required, a test port is provided in the enclosure housing. This test port is to be used for checking that the restricted breathing properties of the enclosure are retained. The restricted breathing properties shall be verified in accordance with the type tests in clause 23.2 of IEC 79-15. This opening must be closed with a plug during operation. The restricted breathing properties should be checked only when the surrounding atmosphere is known to be non-hazardous.

*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 Crouse-Hinds "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.*

