EVFT Portable Cart

Installation & Maintenance Information

APPLICATION

EVFT fluorescent lighting fixtures when ordered with suffix -CART are supplied with a cart to provide portable lighting. Refer to the fixture nameplate for specific classification information and appropriate operating temperature (T) rating.

EVFT fluorescent lighting fixtures when used with suffix -CART are also suitable for use in wet locations, marine locations and paint spray areas. They are designed for use in industrial locations where moisture, dirt, and vibration may be a concern.

For detailed instructions on the EVFT fixture see IF1143 supplied with the fixture.

FIXTURE INSTALLATION

**WARNING**

Electrical power must be OFF before and during installation and maintenance.

1. Secure handle of cart in place by attaching the upper handle bolts.

2. Secure the adjustable panel of the cart in the upright position using the chain mounted pin located below the handle. The pin should be engaged in the center slot when the panel is in the upright position.

3. Position the fixture on the cart with the lamp tube end opposite the cart handle. (see figure 1) Using the ceiling mount bracket and the mounting holes predrilled on the cart, attach the fixture to the cart with 1/4"-20 x 3/4" bolts, lockwashers, and nuts. (provided with cart). Torque bolts to 70 in. lbs.

4. Remove the threaded wiring chamber cover (on fixture center section). On the four lamp fixture, fixture leads are in chamber located closest to nameplate. It is not necessary to remove the ballast compartment’s end cap or the ballast during installation. EVFT fixtures are factory wired.

5. Install a portable cord connector, suitable for the classification of the area and the cable size (Crouse-Hinds recommends #16-3 SO cord) being used, in the thru feed hub on the ballast housing side of the 2 lamp fixture. (see figure 1) For the four lamp fixture, install the #16-3 SO cord in the hub located in the center of the wiring chamber. (see figure 2) Crouse-Hinds recommends a Crouse-Hinds EBY Series portable cord connector. (see table below)

<table>
<thead>
<tr>
<th>Cord Dia</th>
<th>Catalog #</th>
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</thead>
<tbody>
<tr>
<td>.250 to .437</td>
<td>EBY2672</td>
</tr>
<tr>
<td>.375 to .500</td>
<td>EBY2682</td>
</tr>
<tr>
<td>.500 to .625</td>
<td>EBY26102</td>
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</tbody>
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**WARNING**

All unused conduit openings must be plugged.

6. Connect fixture leads in wiring chamber to the leads of the cord connector using methods that comply with NEC and applicable local codes.
7. Place all wire connections well within wiring chamber away from threaded opening. Replace and tighten threaded wiring chamber cover.

8. Feed portable cord that is to be used with fixture through cord grip attached to the top of cart.

9. Attach cord to cord connector on fixture using methods that comply with the NEC and any applicable local codes.

10. Attach an explosion proof plug on opposite end of SO cord. Plug must be rated for a minimum of 15 amps and be suitable for the classification of the area. Crouse-Hinds recommends a Crouse-Hinds ENP5151 plug in conjunction with an ENR5201 receptacle.

**WARNING**

Use fixture only on grounded system. Make sure that supply voltage is the same as marked on fixture nameplate.

11. Tighten captive screw on cord grip attached to cart to act as a strain relief.

12. Tighten bolts on each end of cart to prevent top panel from swinging when pin is removed.

**OPERATION**

The EVFT Fluorescent Lighting Fixture with the cart can be positioned straight up at 0° degrees center or at 45° or 90° degrees to each side.

To position light fixture remove the locking pin and position the fixture at desired angle. Insert pin to secure fixture at desired angle.

**CAUTION**

Be sure that fixture is securely supported when removing locking pin so that fixture does not swing down out of control.

When using cart on an inclined surface put a chock on the wheels to prevent the cart from rolling.

**CAUTION**

When used with cart, EVFT fixture must have either a P51 wire guard or PG1 polycarbonate tube installed.

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*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.*