

MOUNTING

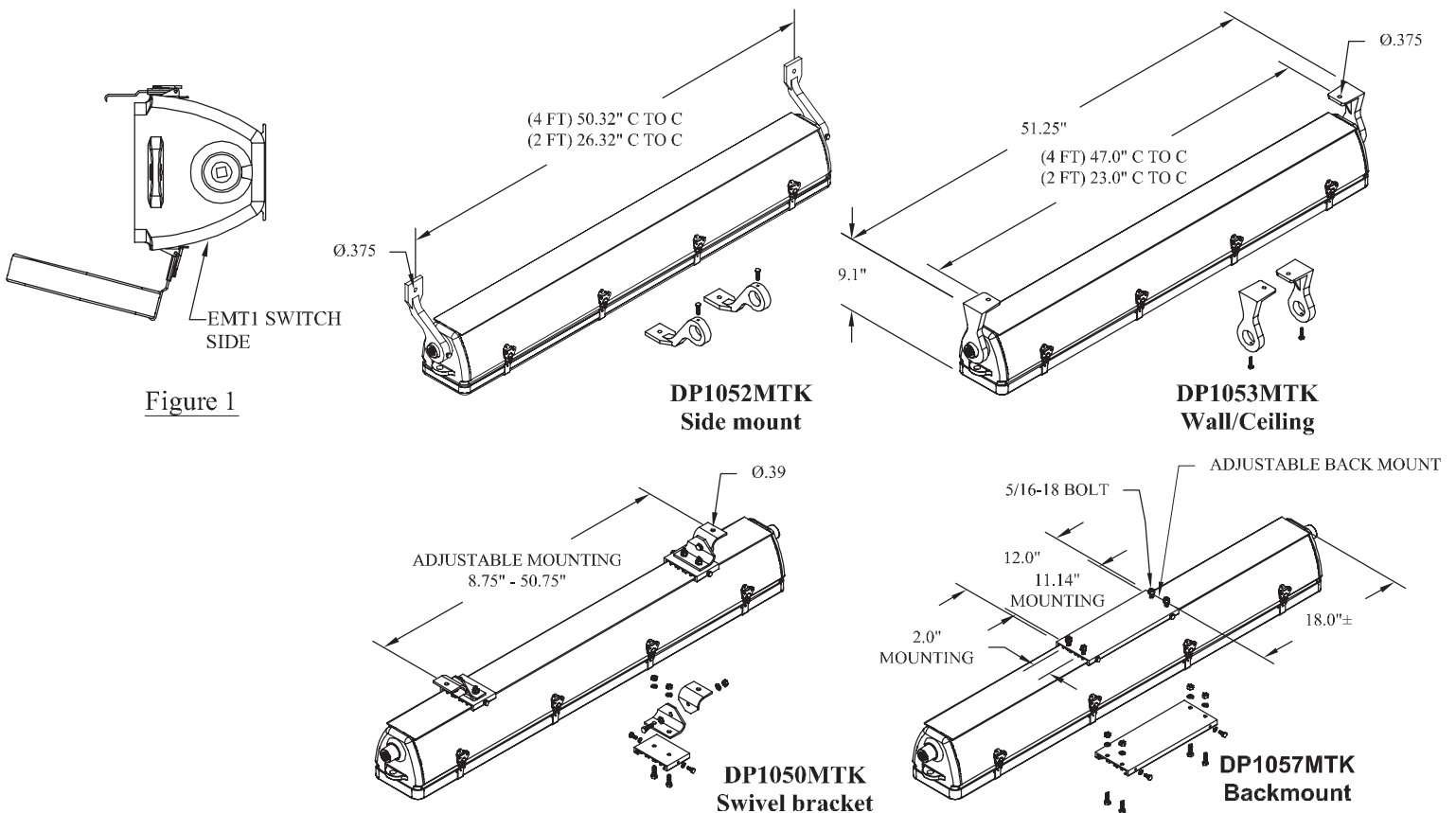
1. **Make sure that the power is disconnected to the conduit system before installing the fixture.**
2. Mark and drill holes:
 - For end mount wall/ceiling or side mount brackets, use two (2) 1/4" bolts (not supplied) at center-to-center measurements shown on drawing below.
 - For back mount, use the bracket as a template, mark and drill holes and use supplied 5/16" bolts.
 - For swivel brackets, holes may be spaced as required; it is recommended to keep them at least 12" apart.
3. Fixture is now ready for mounting. It is strongly suggested to use two (2) qualified tradespeople to proceed with the final mounting of the fixture. This is recommended to avoid any personal injury or damage to the fixture. It will be slightly awkward to hold the fixture and position it while attaching brackets. Depending on mounting height, scaffolding, hydraulic man-lift or two (2) good quality ladders should be used.
4. Depending on mounting kit used, do the following:
 - For end mount wall, ceiling or side mount brackets, it is recommended to mount one (1) bracket first, and then while supporting the fixture, insert it into the mounted bracket, then attach the other bracket.

NOTE: Do not let fixture hang or flex on one bracket at any time. Failing to comply will result in a breakage of bracket and possible injury or death.

- For back mount or swivel brackets, the bracket should be attached first, then the fixture slide onto mating rails.
5. Tighten the 1/4" set screws on brackets; for slide brackets, tighten until 1/4" bolt bottoms.
 6. Power leads are shipped protruding from hub to reduce time of installation.
 7. Make necessary wire connections. (Removal of lamps and reflector is optional; see Maintenance).
 8. Restore power to fixture.

MOUNTING ORIENTATION

1. Fixture is manufactured as to have the hinged lens toward the floor/ground to allow for ease of maintenance (see Figure 1).
2. **EMT1 (optional EM test switch):** the test switch is installed on the bottom side of the housing and the fixture should be installed as to have the test switch pointed toward the floor/ground to allow for ease of testing (see Figure 1).
3. If the installer has power coming in on the opposite side of where the leads are coming out, then it is upon the installer to re-route the wiring in order to maintain both the hinged door and test switch pointing toward the floor/ground or on the bottom side.



⚠ WARNING

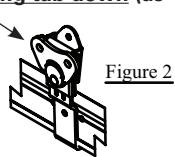
To avoid the risk of severe electric shock, this unit must be properly grounded and the power disconnected prior to installing or servicing.

This series of fixtures is an extruded aluminum fluorescent designed for long, maintenance-free life. The only components requiring replacement on a regular basis are the lamps. As most fluorescent lamps are designed for 20,000+ hour operation, replacement should be required every 3 to 4 years (based on a 15 hour operation per day).

A. LAMP REPLACEMENT FOR F32T8 OR F40T12 DESIGN

Tools required: no tools required for entry.

1. **Turn off power source to fixture.**
2. Open fixture door by releasing catches on both sides and allowing door to open and to hang on hinges.
3. **Remove old lamp by rotating 90 degrees**, then lift lamp from socket and angle in fixture housing until it is clear of inner flange.
4. Replace both lamps (using lamps of equal specifications) to maintain maximum lumen output.
5. For installation of new lamps, repeat procedure 3 in reverse, making sure that the lamp is rotated 90 degrees in the socket to lock into place.
6. Close fixture door, making sure the door is properly seated onto the housing flange for gasket seal, **lock all latches by rotating a full 180 degrees from original position, and press locking tab down (as shown in Figure 2).**
7. Restore power to fixture.



B. LAMP REPLACEMENT FOR TWO (2) F48T12 DESIGN

Tools required: insulated slotted screwdriver (if necessary).

1. **Turn off power source to fixture.**
2. Open fixture lens door by releasing catches on both sides and allowing door to open and to hang on hinges.
3. Depress spring loaded sockets and remove lamp.

⚠ CAUTION

Use of excessive force when replacing lamps may result in damage to sockets or lamps and may cause bodily injury.

4. Replace both lamps (using lamps of equal specifications) to maintain maximum lumen output.
5. Close fixture door, making sure the door is properly seated onto the housing flange for gasket seal, **lock all latches by rotating a full 180 degrees from original position, and press locking tab down (as shown in Figure 2).**
6. Restore power to fixture.

C. BALLAST REPLACEMENT

Tools required: slotted screwdriver, wire cutters and compression tool if connectors are used.

1. **Turn off power source to fixture.**
2. Remove lamps as per above instructions.
3. Remove screws, holding reflector in place (a single screw at each end) and remove reflector.
4. (When removing reflector, an insulated screwdriver may be used to remove reflector from fixture, as it snaps in housing).
5. Disconnect power leads (black and white wires).
6. Cut leads from sockets to ballast at 6 inches (15 cm) from ballast.
7. Remove screws, holding ballast in place (a single screw at each end).
8. **Replace ballast with the same brand and rating to maintain the CSA approval on this product (not all ballasts are approved for use in hazardous area fixtures).** Consult factory before installing a ballast that is not identical.
9. Hold ballast in place and secure with a screw at each end.
10. Connect wires with an approved wire nut or compression connector, making sure to match the same colored leads coming from each socket.
11. Connect power leads to ballast (black and white wires).

12. Replace reflector using the screws supplied (a single screw at each end).
13. Replace lamps as per above instructions.
14. Close fixture door, making sure the door is properly seated onto the housing flange for gasket seal, **lock all latches by rotating a full 180 degrees from original position, and press locking tab down (as shown in Figure 2).**
15. Restore power to fixture.

MOUNTING KITS

A. DP1052MTK

1. Make sure the power is disconnected to the conduit system before installing the fixture.
2. Mark and drill holes for fastening end brackets. Use two (2) 1/4" bolts (not supplied) at center to center measurements (see Figure 3).
3. Fixture is now ready for mounting. It is strongly suggested to use two (2) qualified tradespeople to proceed with the final mounting of the fixture. This is recommended to avoid any personal injury or damage to the fixture.
4. For end mount side mounting brackets, it is recommended to mount one bracket first and then, while supporting the fixture, insert it into the mounted bracket, then attach the other bracket.

⚠ WARNING

Do not let the fixture hang or flex on one bracket at a time. Failing to comply will result in breakage of bracket and possible injury or death.

5. Aim the fixture to achieve desired light output and tighten the 1/4" set screws on brackets. Torque to 78 in.-lbs. (8.8 N-m).
6. Use set screw to limit rotation of the luminaire.

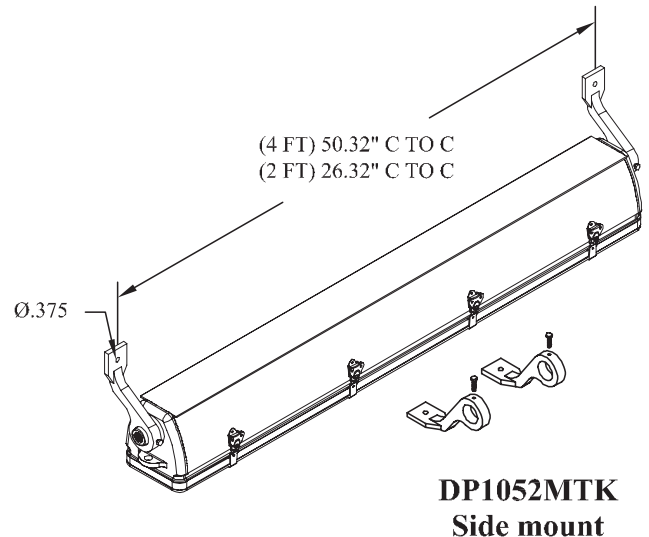


Figure 3. DP1052MTK Side Mount Installation

B. DP1053MTK

1. Make sure the power is disconnected to the conduit system before installing the fixture.
2. Mark and drill holes for fastening end brackets. Use two (2) 1/4" bolts (not supplied) at center to center measurements (see Figure 4).
3. Fixture is now ready for mounting. It is strongly suggested to use two (2) qualified tradespeople to proceed with the final mounting of the fixture. This is recommended to avoid any personal injury or damage to the fixture.
4. For end mount wall/ceiling mounting brackets, it is recommended to mount one bracket first and then, while supporting the fixture, insert it into the mounted bracket, then attach the other bracket.

WARNING

Do not let the fixture hang or flex on one bracket at a time. Failing to comply will result in breakage of bracket and possible injury or death.

5. Aim the fixture to achieve desired light output and tighten the 1/4" set screws on brackets. Torque to 78 in.-lbs. (8.8 N-m).
6. Use set screw to limit rotation of the luminaire.

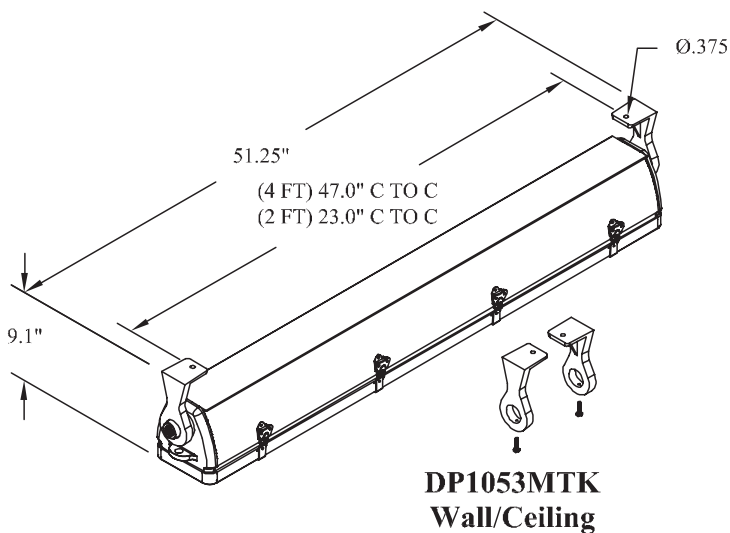


Figure 4. DP1053MTK Wall/Ceiling Mount Installation

C. DP1057MTK

1. For back mount, use the bracket as a template, mark and drill holes into the mounting surface and use supplied 5/16" bolts (see Figure 5).
2. Fixture is now ready for mounting.
3. It is strongly suggested to use two (2) qualified tradespeople to proceed with the final mounting of the fixture. This is recommended to avoid any personal injury or damage to the fixture.
4. Place the four (4) 5/16" bolts through the mounting plate and tighten evenly to the support structure. Minimum torque 138 in.-lbs. (15.6 N-m).
5. Make sure the power is disconnected to the conduit system before installing the fixture.
6. Slide the fixture into the mount bracket, engaging the flange on the top of the fixture and position it near the center.
7. Tighten the four (4) 1/4" set screws on the slide bracket until they bottom. Torque to 78 in.-lbs. (8.8 N-m).

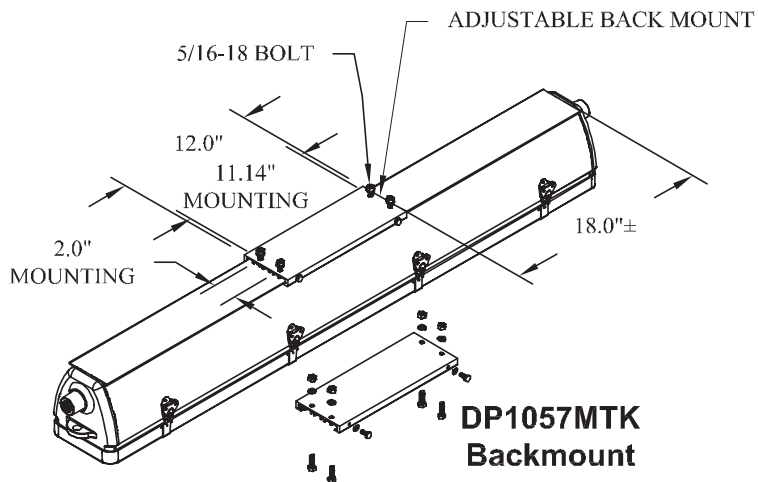


Figure 5. DP1057MTK Back Mount Installation

D. DP1050MTK

1. Make sure the power is disconnected to the conduit system before installing the fixture.
2. Mark and drill holes for fastening swivel brackets. Use two (2) 1/4" bolts (not supplied) at center to center measurements. For swivel brackets, holes may be spaced as required. It is recommended to keep them at least 12" (305mm) apart (see Figure 7).
3. Fixture is now ready for mounting. It is strongly suggested to use two (2) qualified tradespeople to proceed with the final mounting of the fixture. This is recommended to avoid any personal injury or damage to the fixture.
4. Slide the fixture into the mount brackets, engaging the flange on the top of the fixture and position it near the center.

WARNING

Do not let the fixture hang or flex on one bracket at a time. Failing to comply will result in breakage of bracket and possible injury or death.

5. Tighten the two (2) 1/4" set screws on each slide bracket until they bottom (see Figure 6). Torque to 78 in.-lbs. (8.8 N-m).
6. Adjust the position of the fixture to the desired angle and tighten the two (2) 5/16" pivot bolts. Torque to 138 in.-lbs. (15.6 N-m).

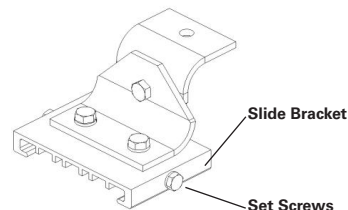


Figure 6. Swivel Mount Details

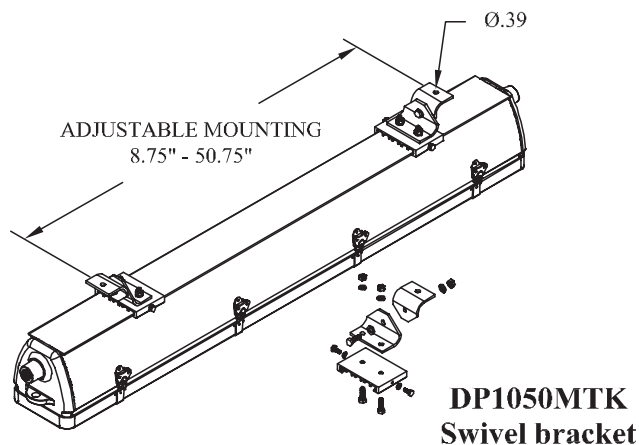


Figure 7. DP1050MTK Swivel Mount Installation

WIRING INSTALLATION CHECKLIST

1. Verify sufficient STL lubricant is on conduit entries and that all unused conduit entries on the end caps are closed with lubricated plugs (see Figure 8).
2. Verify conduit is installed to at least five (5) full threads into the end cap conduit entries. Recommend approximately 1/8" bead STL on conduit entries.
3. Verify installed conduit is torqued to 42-52 ft.-lbs. (57-71 N-m) for 3/4" plug.
4. Verify supply wires are connected to luminaire wire leads (or terminal block) per wiring diagrams.
5. Verify all electrical connections are tightened.
6. Verify all wires are safely and neatly inside driver cover and not on top of driver. Re-attach driver cover to fixture housing.
7. Verify captive attachment screws are tightened to 32 in.-lbs. (3.6 N-m) and cover is in contact with fixture housing.



Figure 8

MAINTENANCE GENERAL

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 a 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).
2. The lens should be cleaned periodically to ensure continued lighting performance. To clean, wipe the lens with 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.
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. Replace all worn, damaged or malfunctioning components, and clean gasket seals before putting the luminaire back into service.
4. Electrically check to make sure that all connections are clean and tight. Mechanically check that all parts are properly assembled.
5. Check and re-torque all mounting hardware.

REPLACEMENT PARTS

Eaton's Crouse-Hinds series linear LED fixtures are designed to provide years of reliable lighting performance. However, should the need for replacement parts arise, they are available through your authorized Eaton's Crouse-Hinds distributor. Assistance may also be obtained through your local Eaton's Crouse-Hinds representative or the Eaton's Crouse-Hinds Sales Service Department, 1201 Wolf Street, Syracuse, New York 13208, Phone 866-764-5454.

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.