

# Apex Series Fluorescent Luminaires

## Installation Instructions

IF LBL1404

**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

**Note: All the following instructions are meant for skilled trades people only. We strongly recommend that only skilled trades people install this product.**

The Apex series of fixtures are a polyester powder coat, sheet aluminum or natural stainless steel, compact design fluorescent designed for easy installation. If the instructions below are followed installation time and all problems should be minimized.

### A. Chain mounting

1. Make sure that the power is disconnected to the conduit system before installing the fixture.
2. Prepare ceiling with desired hook or chains, of equal length  $26\frac{1}{2}$ " or  $50\frac{1}{2}$ " apart (see Figure A).
3. Fixture is now ready for mounting. It is strongly suggested to use two qualified trades people to proceed with the final mounting of the fixture to avoid any possible personnel injury or damage to the fixture. The unit weighs up to 50 lb. (22.7 kg.) and will be slightly awkward to hold into position and make the wire terminations. Depending on ceiling height, scaffolding, hydraulic man-lift or two good quality ladders should be used.
4. Lift fixture into position, attaching chains to 4 tabs with  $\frac{1}{2}$ " holes on fixture and making the necessary attachments to the chains.
5. Once fixture is mounted, you may wire fixture using preferred conduit or flex cable and strain relief connector.
6. After proper wiring connections are made, you may install lamps.
7. To install lamps (this procedure can be performed before the fixture is mounted), open fixture lens door by releasing (4 or 8) slotted thumb screws and allowing door to open and hang on hinges.
8. Install lamp by angling past the flange on the fixture housing. Insert lamp into socket and rotate 90 degrees to lock into place for T5/T8 lamps, or simply depress spring loaded lamp holder for other lamp types.
9. Close fixture lens doors, making sure the door is properly seated on the housing flange for gasket seal and tighten all (4 or 8) slotted thumb screws securely.
10. Restore power to fixture.

### B. Ceiling mounting, using a FX7091 bracket.

1. Make sure that the power is disconnected to the conduit system before installing the fixture.
2. Install two mounting brackets to faces of fixture with the slotted tabs on bracket aimed outward from fixture using the supplied nuts and lock-washers.
3. Measure and mark four holes to wall or ceiling for  $\frac{1}{4}$ " bolts (not supplied) at center to center measurements, shown on drawing below.
4. Fixture is now ready for mounting. It is strongly suggested to use two qualified trades people to proceed with the final mounting of the fixture to avoid any possible personnel injury or damage to the fixture. The unit weighs up to 50 lb. (22.7 kg.) and will be slightly awkward to hold into position and attach to brackets mounted on wall or ceiling. Depending on mounting height, scaffolding, hydraulic man-lift or two good quality ladders should be used.
5. Lift fixture into position and bolt into place.
6. Once fixture is mounted, you may wire fixture using preferred conduit or flex cable and strain relief connector.
7. After proper wiring connections are made, you may install lamps.
8. To install lamps (this procedure can be performed before the fixture is mounted), open fixture lens door by releasing slotted thumb screws (4 or 8) and allowing door to open and hang on hinges.
9. Install lamp by angling past the flange on the fixture housing. Insert lamp into socket and rotate 90 degrees to lock into place for T5/T8 lamps, or simply depress spring loaded lamp holder for other lamp types.
10. Close fixture lens doors, making sure the door is properly seated on the housing flange for gasket seal and tighten all (4 or 8) slotted thumb screws securely.
11. Restore power to fixture.

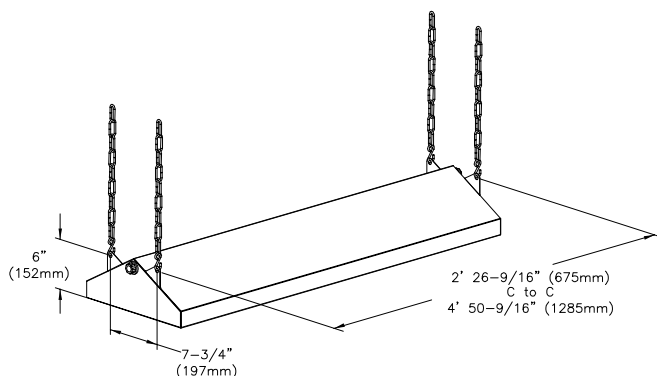


FIGURE A

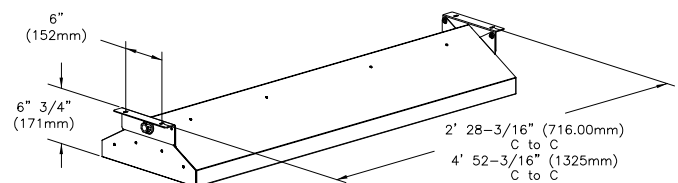


FIGURE B

# Apex Series Fluorescent Luminaires

## Maintenance Instructions

IF LBL1404

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**Note: All the following instructions are meant for skilled trades people only. We strongly recommend that only skilled trades people service this product.**

The Apex series of fixtures are a polyester powder coat, sheet aluminum or natural stainless steel, compact design fluorescent designed for long maintenance free life. The only component 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 T5/T8 Bi-Pin

**Tools required: Insulated slotted #2 screwdriver.**

1. Turn off power source to fixture.
2. Open fixture door by or unscrewing (4 or 8) thumb screws allowing door to open and 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 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, and turn all (4) ¼ turn fasteners in locked position.
7. Restore power to fixture.

### B. Lamp replacement for T8HO

**Tools required: Insulated slotted #2 screwdriver.**

1. Turn off power source to fixture.
2. Open fixture lens door by unscrewing (4 or 8) slotted thumb screws allowing door to open and hang on hinges.
3. Depress spring loaded sockets and remove lamp. If difficulty occurs, use insulated screwdriver in between lamp and socket to assist in lamp removal.  
**(Caution: Use of excessive force when replacing lamps may result in damage to sockets or lamps and may cause bodily injury.)**
4. Replace lamps (using lamps of equal specifications ) to maintain maximum lumen output.
5. Close fixture lens doors making sure the door is properly seated on the housing flange for gasket seal and tighten all (4 or 8) slotted thumb screws securely.
6. Restore power to fixture.

### C. Ballast replacement

**Tools required: 3/8" nutdriver or socket, slotted #2 screwdriver, wire cutters & compression tool, if compression connectors are used.**

1. Turn off power source to fixture.
2. Remove lamps as per above instructions.
3. Remove screws holding reflector in place ( three screws at each end ) and remove reflector.
4. Disconnect power leads ( black and white wires ).
5. Cut leads from sockets to ballast at 6 inches ( 15 cm. ) from ballast.
6. Remove nuts holding ballasts.
7. 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.
8. Hold ballast in place and secure with a nut at each end.
9. Connect wires with an approved wire nut or compression connector making sure to match the same colored leads coming from each socket.
10. Connect power leads to ballast ( black and white wires ).
11. Replace reflector using the screws supplied ( three screws at each end ).
12. Replace lamps as per above instructions.
13. Close fixture lens door making sure the door is properly seated on the housing flange for gasket seal and tighten all (4 or 8) slotted thumb screws securely.
14. Restore power to fixture.

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