

NOTES

- Installation should be completed by an individual familiar with the construction and operation of the luminaire.
- Installation of luminaire must be in accordance with national and local building and electrical codes.
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- Instructions do not cover all details and all possible product configurations
- Do not restrict luminaire ventilation.
- Ensure LED luminaire is not covered with material that will prevent convection or conduction cooling.
- Do not exceed luminaire's maximum ambient temperature.
- Ensure LED luminaire has the correct polarity before installation.
- Based on maximum voltage restrictions for class 2 circuits in Canadian Electrical Code, the output cannot be accessible. This product has accessible output terminals. This product complies with this requirement since the installation instruction requires installation in the Restricted Access Area.

WARNINGS

Electric shock:

- Disconnect or turn off power before installing or servicing luminaire.
- All electrical wiring to be completed by a qualified licensed electrician in accordance with local and National/Canadian Electrical Code.
- Ensure supply voltage corresponds with the correct ballast/driver voltage.
- Avoid exposing wiring to metal edges and sharp objects.
- Ensure that the luminaire is properly grounded to prevent electric hazards.
- Before powering up fixture, perform appropriate testing to ensure the fixture is properly grounded.

Fire:

- Keep flammable and combustible materials away from the light source and/or lens.
- Use correctly rated supply conductors as indicated by product labeling.

Burn:

- Allow luminaire to cool before handling luminaire.

Personal Injury:

- Wear safety glasses and gloves when handling the luminaire to avoid physical injury.
- Avoid direct eye contact with light source.
- Always support the weight of the luminaire.

Intended Use:

- Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate.
- Certain airborne contaminants may also adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the containments, ventilation, and temperature at the end-user location.
- Failure due to the effect of contaminants is not covered under our standard terms of warranty.

LUMINARIE WARNING NOTES

- A. Failure to follow all these warnings may result in injury or death.
- B. This fixture is intended only for use in supervised behavioral health spaces.
- C. This fixture is not for use in spaces where continual or frequent abuse is possible. It is also expressly not for use in confinement, correctional facilities, prisons, or similar spaces where residents are present.
- D. Professionals familiar with intentional ligature, self-harm, or abuse hazards must perform fixture selection and installation. If this fixture is determined to not be adequate for the hazard present within the space, discontinue use of the fixture or space until corrected.
- E. Failure to correctly fill seams with a site-approved security caulk/compound between the luminaire and the ceiling may increase the hazard, causing injury or death.
- F. Do not operate the fixture or occupy spaces when this fixture is damaged or not fully assembled.
- G. Before occupancy, all aspects of this fixture and its installation shall be thoroughly reviewed and tested for ligature concerns.
- H. Particular care is to be taken in tightening doorframe screws; when complete, doorframe screws must be double-checked. Caution: Do not overtighten screws.) Damage may result. Torque Trim/Bezel screws to 10 inch-lbs. (1.13 Nm)

Manufacturer is not responsible for any injuries due to the improper installation or handling of its products.

Installation Steps:

1. Unpack and separate Housing Rough-in section (RS) and set reflector/Trim Section (TS) aside. Leave the protective packaging surrounding the Flex Conduit Fitting in place until step #9.
2. Attach Universal Mounting Bracket (UMB) using wingnut provided
3. Install Housing Rough-in Section (RS). Locate fixture aperture center position within ceiling system, typically within the center of a T-Bar grid ceiling tile or centered between two GWB ceiling support members. Please pay attention to the vertical position so that the fixture's adjustable "Flange Ring" (FR) will reach to the lowest point of the ceiling room-side surface.
4. Using Universal Mounting brackets (UMB) provided, secure the brackets to structure in appropriate location using one of the following (provided by others):
 - a. Unistrut, Black Iron, Ceiling Steel etc.
 - b. ½" EMT conduit
 - c. Certolux "HB" Accessory Mount Rails (purchased and packed separately)The UMB provides for horizontal adjustment in only one dimension. Measure carefully when locating support hardware.
5. Remove only necessary knock-out(s) from the junction box and attach conduit from the branch circuit. To open the box cover, press the spring clip away from the box to remove the junction box cover. Connect ground wiring to the provided connection point. Make wiring splices carefully, inserting wiring into the junction box and snap junction box cover back into place when complete.
6. Remove Blue Metal Bracket (FCB) by unfastening screw. Connect harness wiring and reinstall FCB. There should be a positive mechanical connection made by tightening the screw.
7. Attach Trim Section (TS)
8. Adjust the UMB so that the aperture aligns horizontally with the building plans. Use the alignment notches in the flange ring as a guide.
9. Adjust vertical position of RS so that the bottom surface is flush with or slightly above the top surface of the finished ceiling. This is accomplished using the wing nuts located on the UMB. Tighten securely. (Caution: For Behavioral Health and Vandal prone areas, make sure that the fixture Rough-in section is very securely attached to structure, preventing vertical movement. This may require additional attention or hardware, depending on the ceiling type)
10. Adjust the FR lower surface using its vertical slots and three screws so that it is flush with the finished ceiling. Important: Tighten screws securely. (This may also be done after ceiling installation.)
11. Cut the opening in the ceiling to tightly fit the Flange Ring outer diameter. See spec sheet for specific ceiling cutout sizes. To maintain an airtight or watertight seal at the ceiling interface a flat smooth surface is required. If this is not accomplished due to ceiling irregularities for surface roughness, a bead of site approved caulk may be applied. For Behavioral Health installations a pick-proof security caulk should be used in any area where patients may be able to reach. Finish the ceiling making sure that the surface is smooth and flat.
12. Wearing PPE Gloves and glasses is required for these steps.
 - a. Some model Trim Sections have Torsion Springs:
 - i. Align and insert both Torsion Springs with corresponding C-shaped spring brackets.
 - ii. Check that the gasket is on the TS facing the ceiling and it is not distorted.
 - iii. (This can go very quickly. So keep fingers away from the closing surfaces or injury may occur.)
Slowly raise TS, sliding the springs through the spring brackets until the TS is self-supporting.
 - b. Some model Trim Sections are secured by screws
 - i. Verify that the Flange Ring is flush or slightly recessed (+/- 1/8") with the finished ceiling.
 - ii. Align screws with threaded nuts in RS Flange Ring. Start screws by hand first. Do not use a motorized tool.
 - iii. Check that the gasket is on the TS facing the ceiling and it is not distorted.
 - iv. Using a screwdriver, tighten screws until trim is tight against the ceiling surface and is sealed. (To maintain an airtight or watertight seal at the ceiling interface a flat smooth surface is required. If this is not accomplished due to ceiling irregularities for surface roughness, a bead of site approved caulk may be applied. For Behavioral Health installations a site approved pick-proof security caulk should be used in any area where patients may be able to reach.)
13. Energize Fixture from a protected branch circuit.

