

# VTs

## Surface Mounting

### Installation Manual

#### Safety & Warnings:

Failure to follow these instructions and warnings may result in death, serious injury or significant property damage.



**Warning: Risk of Fire and Electrical Shock. Fixture must be installed by a qualified electrician only in accordance with National, Local Building, and Electrical Codes. Disconnect power at the electrical panel before servicing.**

General contractor is responsible for the installation of appropriate anchors to support the load of the fixture at positions detailed in the installation manual. Installation of such anchors or other support systems must be completed in accordance with applicable building/installation code.

#### Steps

1.
  - Disconnect the electrical power on the electrical panel prior to installing the vapor tight fixture.
2.
  - Place the vapor tight fixture close to the junction box where the fixture will be installed.
3.
  - For mounting the vapor tight to the surface the fixture needs to be opened and the lens needs to be removed. The fixture comes with (2) stainless steel mounting brackets which need to be taken off and screwed to the ceiling (Fig.1,2).

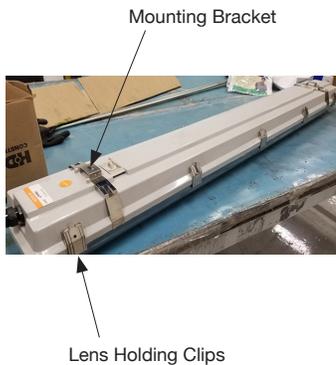


Fig. 1



Fig. 2

4.
  - First open the vapor tight lens holding clips (Fig.3) - 10 pcs total which presses the lens and body together. Place the lens on the side close by.



● Lens Holding Brackets

Fig. 3

5.
  - Measure the distance between the mounting brackets centers and use this dimension to locate them on the ceiling.
  - Grasp the stainless steel mounting brackets on side and push down
  - One will notice the mounting bracket 'legs' coming out of place and becoming loose (Fig. 4).
  - Now slowly remove the bracket and ensure that it does not get damaged.
  - One might also have to push on the side of the opposite leg to remove the bracket. Repeat for the other bracket on the fixture (Fig. 5).

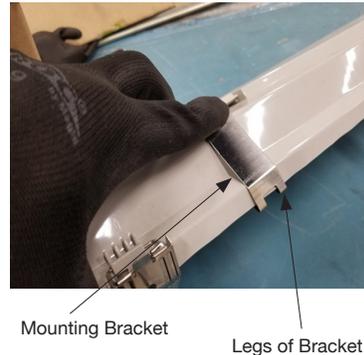


Fig. 4



Mounting Bracket Removed

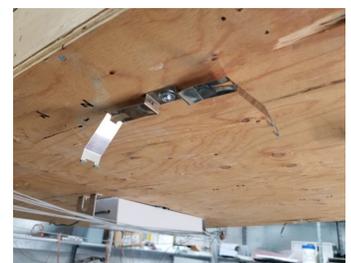
Fig. 5

6.
  - With the appropriate hardware fasten the mounting brackets onto the ceiling.
  - For metal use self drilling screws, for wood use wood screws and for concrete use tapcon screws (min #10 screw thread for all).
  - One can also use a washer inserted into the mounting hardware to better grip the mounting bracket.
  - If the environment is wet, damp or humid use stainless steel hardware (Fig. 6). Use the distance measured in step 5 and locate the second mounting bracket (Fig. 7).



Mounting bracket fastened to ceiling

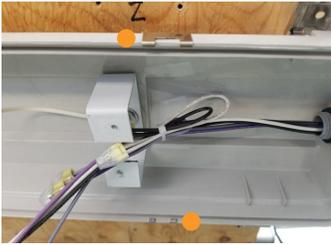
Fig. 6



Second mounted bracket fastened to ceiling

Fig. 7

7.
  - Place Vapor Tight body onto the mounting brackets in such a manner that the legs of the brackets 'clip' onto the plastic body.
  - Ensure that the mounting brackets are holding the body in 4 places (Fig. 8 and 9).



● Legs of Bracket



Lens Holder Cavity

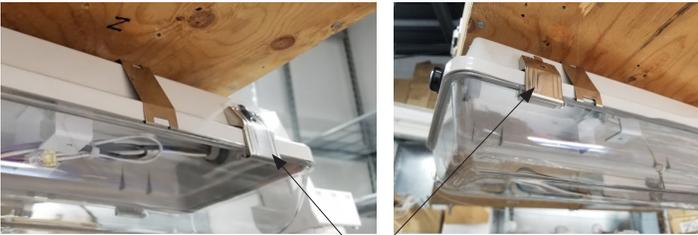
Clip one of the Vapor Tight mounting brackets onto the Vapor Tight body

**Fig. 8**

Clip the other Vapor Tight mounting bracket on the Vapor Tight body

**Fig. 9**

8.
  - The plastic body should not move and not be loose. If loose check to ensure that the parts are properly engaged.
9.
  - Carefully place the lens onto the body such that the lens fits nicely into the lens holding cavity (Fig. 9).
  - One should not see any open seams around the lens and body. Locate the 10 Vapor Tight holding clips and close them to ensure the fixture is sealed properly.
  - The clips should make a sound when properly closed (Fig 10).



Holding Clips "Closed"

Close the holding clips of the Vapor Tight body onto the lens

10.
  - Inspect the fixture and ensure that the lens and plastic body are engaged and they are no 'open' areas where moisture or water can enter the fixture.
  - All of the 10 Vapor Tight holding clips should be closed and not partially open or impeding onto the lens in a wrong manner.
11.
  - Now Pull the existing 18-3AWG or 16-3 AWG AC wires from the Vapor Tight fixture into the junction box.
  - Connect the appropriate wires using wire nuts (black to black, white to white and green to ground wire).
  - Ensure the ground wire is also grounded to the junction box using a ground screw.
12.
  - Check all connections for open loops and replace loose/damaged wires.
13.
  - Turn the electrical power on from the electrical panel to make sure the light turns on.

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