Continued from Previous Page

A. Chain or cable

1. There are (4) mounting hooks on the sides of the fixture (figure 2) that will allow for “S” hooks and chain or use the optional V-Hanger or aircraft cables (Gripple).

B. V Type Hanger Bracket

1. Connect the ends of the V type hanger into the attached mounting hooks and use “S” hooks and chain to mount at desired height. (figure 3)

C. Optional 1.25” ceiling mounts

1. Install ceiling mounts in desired position in ceiling using appropriate hardware (not supplied). Distance between center points on ceiling mounts is 36” apart (figure 4). Install fixture to ceiling mounts to mounting hooks.

D. Stainless Steel Adjustable Brackets

1.Determine if the fixture is to be ceiling or wall mounted. Mount both upper mounting brackets (figure 5) to desired surface using appropriate hardware (not supplied). The distance between centerline of mounting holes will be 48”.

2.Mount lower halves of mounting brackets on both sides of the fixture with the two supplied Hubs making sure to use the shims and gaskets (figure 6). If an occupancy sensor is used, install that when installing the adjustable bracket and use the open ¾” hub to mount the other adjustable bracket.

3. Position fixture to mounted brackets and install the supplied 1/4-20 bolts through the center holes to support the fixture

4. Rotate fixture to desired position and install 1/4-20 bolts through mating holes on arc of bracket and tighten all bolts securely

Wiring – See Wiring Diagram Below

1. If the unit is supplied with power cord, make power connections per NEC codes for your environment and observe all local codes.
2. To access internal wiring unscrew clasp screws and remove lens by unclasping SS latches.
3. Dimming – Join all LED driver purple wires (positive) together and join all gray wires (negative) together and wire to separate dimming control input wires. To rout the external control dimming wires into the fixture, remove the end black circular plug and use the appropriate IP rated cable gland (not supplied). Make connections per NEC codes for your environment and observe all local codes.
4. Occupancy Sensor (optional) – See wiring diagram.
5. Battery Back-up – Battery unit can be controlled with optional occupancy sensor. If using an Occupancy sensor, install prior to hanging the fixture. Wire per directions below.
6. Reinstall lens and clip latches
7. Install electrical only after all applicable codes and restrictions are followed for your environment.
8. Do not use outdoors
9. Do not use this equipment for other than its intended use.

Optional: Connect 0-10V dimming wires. The purple wire is positive (+) and the gray wire is negative (-) for the dimming cord.

Maintenance

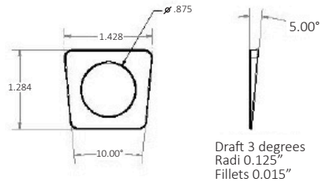
1) Disconnect the product from the power supply prior to cleaning.
2) Use a dry or slightly moistened cloth for cleaning

CAUTION: Do not clean the fixture—especially the lenses— with scouring pads, alkaline cleaning substances, gasoline, thinner, benzene, heating oil, glycol, alcohol, or polishing powder.

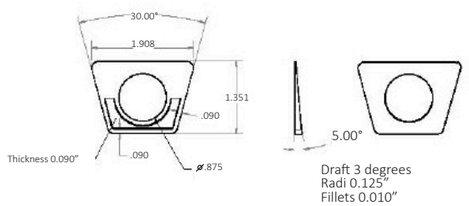
Figures:

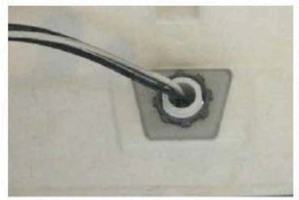
(Figure 1)

Gasket - Install on the outside of the housing



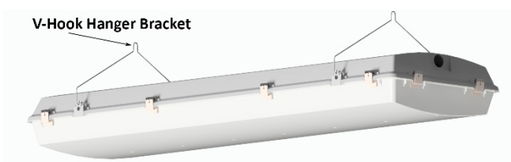
Shim - Install on the inside of the housing



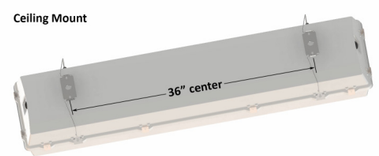


(Figure 2)

(Figure 3)



(Figure 4)



(Figure 5)

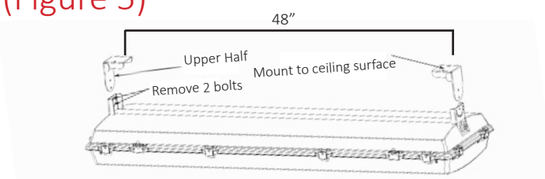
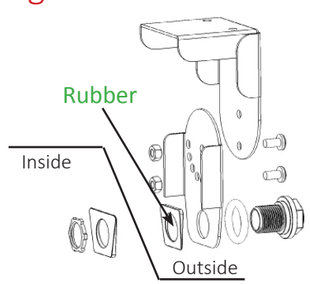
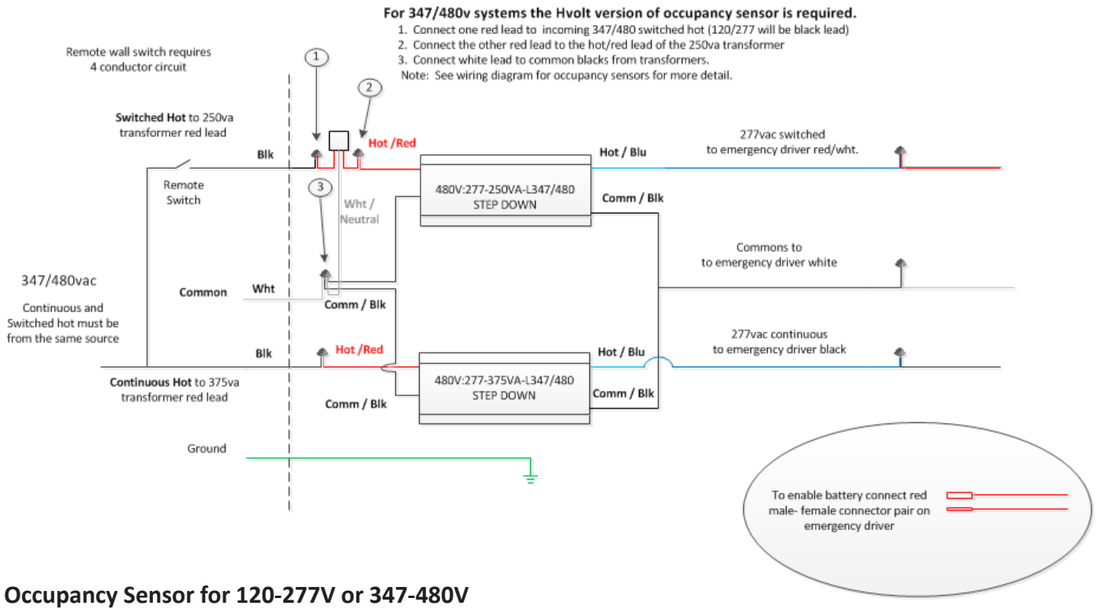


Figure 6



Wiring Diagrams For Occupancy Sensor

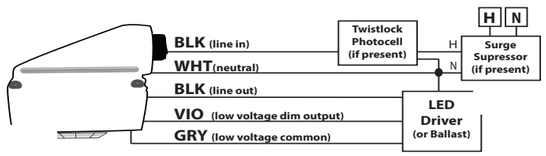


Occupancy Sensor for 120-277V or 347-480V

WIRING

WIRING TO SINGLE PHASE POWER (120/277/347 VAC)

BLACK* - 120/277 VAC Input
(**RED** wire for 347 VAC - requires HVOLT optio..)
BLACK* - Switched Line Voltage Output to Luminaire
(**RED** wire for 347 VAC - requires HVOLT option)
WHITE - Neutral
VIOLET (w/ D option) - Low Voltage Dim Output (0-10 VDC)
GRAY (w/ D option) - Low Voltage Common

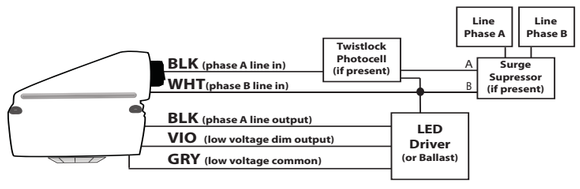


***BLACK wires can be reversed**

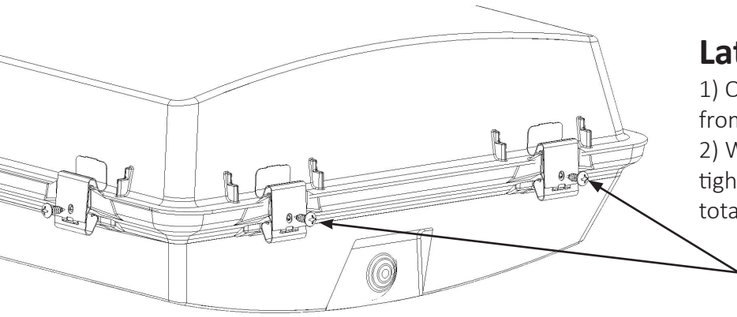
WIRING TO 2-PHASE POWER (208/240/480 VAC)*

BLACK* - 208/240 VAC Phase A Input
(**RED** wire for 480 VAC - requires HVOLT option)
BLACK* - Switched Line Voltage Output to Luminaire
(**RED** wire for 480 VAC - requires HVOLT option)
WHITE - Phase B of 208/240/480 VAC Input
VIOLET (w/ D option) - Low Voltage Dim Output (0-10 VDC)
GRAY (w/ D option) - Low Voltage Common

***Safety Note: only one line phase is being switched**



***BLACK wires can be reversed**



Latch Securement Install

1) Open up the fixture and remove screws from plastic bag located inside the fixture.
2) With a screwdriver, secure the housing by tightening screws on each latch. There are a total of 10 latches.

Secure latches with screw

Ironclad™ Vapor Tight High Bay
Installation Guide

Shat-R-Shield is an ISO 9001:2015 Certified Company

Please read this entire manual to understand how to safely use this product. Specifications are subject to change without notice. Please visit www.shatrshield.com for the most recent user guide versions. **INSTALLATION OF THIS FIXTURE IN ANY OTHER MANNER THAN WHAT IS INDICATED WITHIN THE SUPPLIED INSTRUCTIONS WILL VOID ALL WARRANTIES**. If mounting in wet locations, any additional connectors that are installed which include drilling holes into the fixture must be rated for the application to prevent ingress of water. **This product must be installed in accordance with the applicable installation code by a certified electrician with the construction and operation of the product and the hazards involved. This unit is not to be installed directly to a ceiling surface in higher ambient temperature environments due to operating temperature and can void warranty**. Check with Shat-R-Shield for additional information.

Your fixture has been supplied with a universal voltage driver that utilizes 120-277vac. If using 347/480vac single phase power source ensure the correct fixture was ordered with the designation "H" for power option. This configuration provides a step-down transformer to power the universal drivers. If ordering the 347/480vac single phase option with battery backup the "HB" designation for power option should be selected. This configuration provides two separate step-down transformers: one for switched power, and one for continuous power. This configuration also requires a 4 conductor circuit to accommodate remote switching. If an occupancy sensor is desired, it should be wired to the incoming switched hot. See wiring diagram for details.

Unpacking:

1) Unpack and carefully examine the product.
2) Report any damage and save all packing materials if any part(s) were damaged during shipping.
3) Do not attempt to use this light fixture if it is damaged.

Fixture is Supplied With:

1) Power pigtail cord and optional plug if selected
2) 4 installed Stainless Steel mounting brackets for chains (supplied by others) or use with optional mounting accessories

Optional Mounting Accessories:

A. V-Hook hanger brackets
B. Y type Stainless Steel aircraft cables (Gripple)
C. Optional 1.25" ceiling mounts
D. Stainless Steel Adjustable Brackets

Installation Instructions:

1) Consult a qualified electrician to ensure correct installation into your facility.
2) The product should be installed by a qualified electrician or technician in accordance with relevant local codes.
3) There is always a risk of electric shock when installing electrical devices. Ensure that the main power source is off when wiring the product.

* A short-term discharge test may be conducted after the emergency driver has been charged for one hour. Charge for 24 hours before conducting a long-term discharge test.

Occupancy Sensor:

If optional occupancy sensor was purchased, install prior to hanging fixture. Open unit by unscrewing clasp screws and unclasping the outer clamps to open the lens. Raise the white LED board mounting tray. Remove the round rubber plug from the end and install the occupancy sensor Use angled shim and gasket to ensure the occupancy sensor is parallel with the floor when mounted into the fixture. The Shim is installed on the inside of the housing and the Gasket is installed on the outside of the housing. (Figure 1). Wire per directions on next page.