


DL Series: LED LAMP TANK ASSEMBLY FOR HAZARDOUS LOCATIONS

 **IMPORTANT:** DO NOT ATTEMPT INSTALLATION UNTIL YOU ARE FAMILIAR WITH ALL WARNINGS, PRECAUTIONS, AND PROCEDURES OUTLINED WITHIN THIS INSTRUCTION SHEET.



TURN OFF POWER

ELECTRICAL POWER MUST BE TURNED OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.

The Listed DL Series tank assemblies are intended for assembly with any one of the following Listed mounts to form a complete luminaire:

MOUNT TYPE	Catalog No.	MOUNT TYPE	Catalog No.
3/4 Inch NPT Cone Top Pendant	VA2	1 Inch NPT Flexible Pendant Mount	VF3
1 Inch NPT Cone Top Pendant	VA3	3/4 Inch NPT Rigid Pendant Mount	VP2
3/4 Inch NPT Wall Mount	VB2	1 Inch NPT Rigid Pendant Mount	VP3
1 Inch NPT Wall Mount	VB3	1-1/4 Inch NPT Straight Stanchion Mount	VL4
3/4 Inch NPT Ceiling Mount	VC2	1-1/2 Inch NPT Straight Stanchion Mount	VL5
1 Inch NPT Ceiling Mount	VC3	1-1/4 Inch NPT 25° Stanchion Mount	VS4
3/4 Inch NPT Flexible Pendant Mount	VF2	1-1/2 Inch NPT 25° Stanchion Mount	VS5

INSTALLATION PRECAUTIONS:

All national and electrical/building codes must be followed in the installation of the tank assembly. For code interpretation, consult local code authority.



— RISKS OF FIRE OR EXPLOSION —

1. DO NOT INSTALL THE TANK ASSEMBLY IN ANY CLASSIFIED LOCATION WHERE THE MARKED OPERATING TEMPERATURE EXCEEDS THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERES. CONSULT TANK ASSEMBLY NAMEPLATE FOR SUITABILITY IN SPECIFIC HAZARDOUS LOCATIONS.
2. DO NOT INSTALL THE TANK ASSEMBLY IN A LOCATION WHERE THE AMBIENT TEMPERATURE EXCEEDS THE MAXIMUM AMBIENT TEMPERATURE SHOWN ON THE TANK ASSEMBLY NAMEPLATE.
3. REFER TO NAMEPLATE AND LABEL ON THE EXTERIOR OF TANK ASSEMBLY FOR SUPPLY AND DIMMING WIRE MINIMUM TEMPERATURE AND VOLTAGE RATINGS. NOTE: MINIMUM VOLTAGE RATING MAY BE MARKED ON THE DRIVER MOUNTING PLATE INSIDE TANK ASSEMBLY.
4. VERIFY THAT THE SUPPLY VOLTAGE AGREES WITH TANK ASSEMBLY RATING AS INDICATED ON NAMEPLATE.
5. VERIFY THAT GROUND CONTINUITY HAS BEEN ESTABLISHED BY USING AN OHMMETER OR OTHER SUITABLE TESTING EQUIPMENT BEFORE ENERGIZING THE ASSEMBLED LUMINAIRE.



WARNING:

ASSEMBLED LUMINAIRE MUST BE GROUNDED AS REQUIRED IN THE APPLICABLE ARTICLES OF THE NATIONAL ELECTRICAL CODE AND/OR SECTIONS AND RULES OF THE CANADIAN ELECTRICAL CODE. FAILURE TO PROPERLY GROUND THIS LUMINAIRE WILL CREATE AN ELECTRICAL SHOCK HAZARD WHICH CAN CAUSE SERIOUS INJURY OR DEATH



CAUTION:

THE LED LAMP IS VERY FRAGILE TO SCRATCHES AND SKIN CONTACT. DO NOT TOUCH THE YELLOW SURFACE OF THE LAMP!
WARRANTY IS VOID IF THE YELLOW SURFACE OF THE LAMP IS TOUCHED OR SCRATCHED.

ASSEMBLED LUMINAIRE MAY BE ENERGIZED IN A HAZARDOUS LOCATION ONLY AFTER THE TANK ASSEMBLY HAS BEEN SECURED TO THE MOUNT.

INSTRUCTIONS FOR INSTALLATION

1. Install tank assembly mount as per the installation instructions on page 3.
2. Ground tank assembly mount. If mount is not grounded through a metal raceway, such as metal conduit, a separate grounding conductor must be utilized. Attach this grounding conductor to the provided "EQUIPMENT GROUNDING SCREW". Location of the equipment grounding screw is marked in each mount except cone pendant mount. See Figure 1 for location of equipment grounding screw in cone pendant mount.

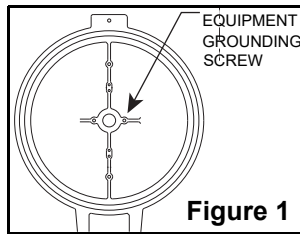


Figure 1

3. Pull branch circuit supply wires through the mount.

NOTE: Consult markings on the tank assembly nameplate for required temperature rating of supply wire insulation.

NOTE: Always inspect the gasket of tank assembly mating with the mount before securing the tank assembly to the mount. If gasket shows any indication of deterioration, replace the tank assembly.

4. Hang the tank assembly on the mount hinge (Figure 2).

The tank assembly is delivered with the globe already installed. Do not unscrew the globe during installation unless replacing the globe. Avoid contact with the LED lamp during installation.

Electrical connections

5. Attach the ground bonding lead provided with the tank assembly to supplied grounding screw in mount. Connect supply wires to tank assembly driver leads.

Verify that the utility voltage value comes within the AC voltage range printed on the tank assembly template: "120 – 277VAC" or "347 – 480VAC". The LED driver module accepts any value of AC voltage within the specified range.

6. Dimming option: connect the incoming dimming control wires (0-10Vdc) to the Violet (+) and Grey (-) lead wires of the tank assembly. Note: ensure the dimming control used is certified and suitable for the classification of the area of their installation. All field wiring (power and dimming) shall be rated for the maximum voltage.
7. Swing the luminaire closed. Secure it with the captive screw on the tank assembly.

THREADED GLOBE OR REFRACTOR (Figure 3)

8. Verify that the globe is screwed in the tank assembly hand-tight. Non-symmetrical refractor globes come pre-aligned in the factory (Figure 4). Tank assemblies installed with ceiling mount or pendant mount need to be aligned to the "Front Side" (Figure 4). Non-symmetrical refractor globes have the marking "FRONT SIDE" molded in the globe (Figure 5).

DO NOT unscrew the globe to align the light distribution.

EXTERNAL GUARD (Figure 3)

9. Back out three screws furnished in lower face of tank assembly (around globe). Install to allow for clearance of guard. Position the keyholes of the over screws and twist in place. Tighten three screws to retain the guard.

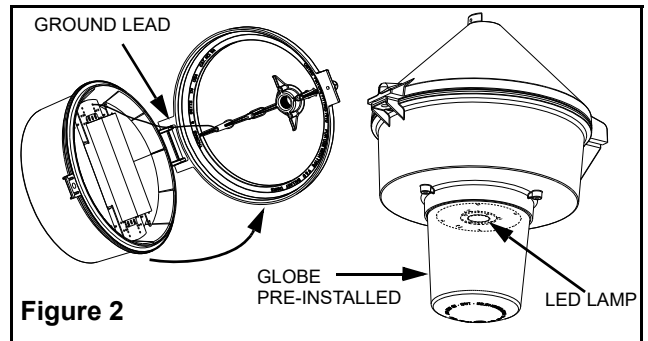


Figure 2

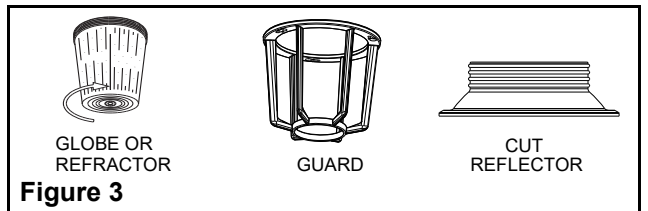


Figure 3

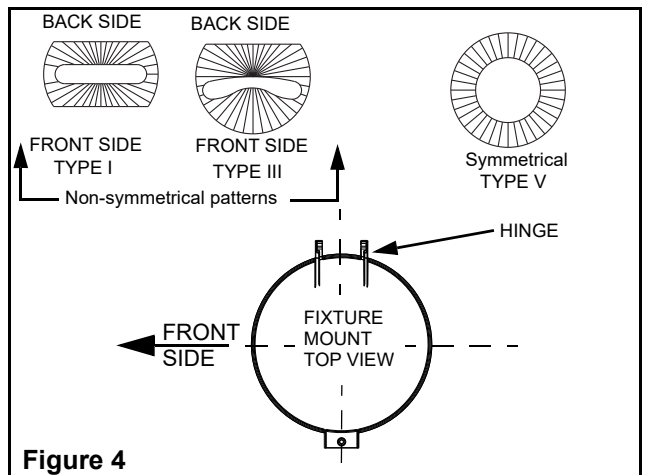


Figure 4

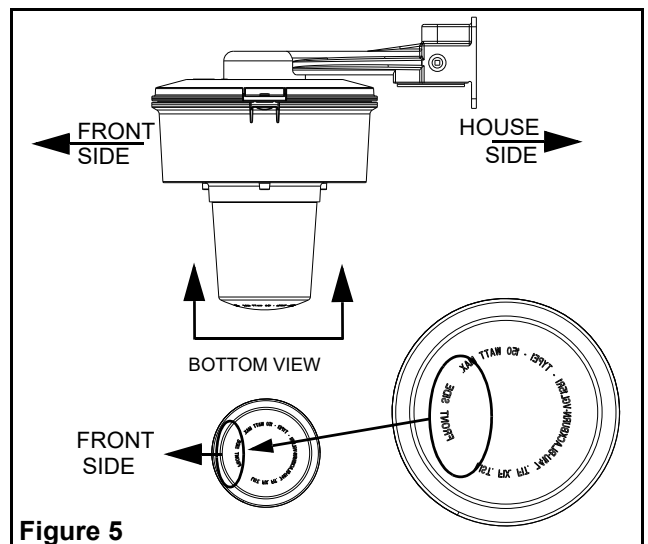


Figure 5



CAUTION:

INSUFFICIENT TORQUE TIGHTENING MAY LEAD TO WATER INFILTRATION AND DAMAGE OF THE LED LAMP.

Warranty:

Hazlux sells this product with the understanding that the user will perform all necessary tests to determine the suitability of this product for the user's intended application. Subject to the limitations set forth below, Hazlux warrants that the Hazlux lighting LED tank assembly will be free from defects in material and workmanship for a period of **five (5) years** beginning on the date of installation or 90 days from the date of shipment, whichever date is earlier.

Warranty Limitations and Exclusions:

The above warranty shall only apply when the product is installed in applications in which ambient temperatures are within the range of specified operating temperatures and is operated within the electrical values shown on the LED driver label. This warranty is also void if the product has been subjected to misuse, neglect, accident, fire, physical damage, improper installation, unauthorized modification, or use in violation of our instructions or any applicable laws, codes or ordinances. Upon prompt notification of a warranted defect, Hazlux will, at its option, repair or replace any products found to be defective under normal installation, use and service. Hazlux reserves the right to replace any warranted product with a substitute product of similar function if the warranted product is no longer available.

THE ABOVE WARRANTY IS THE SOLE WARRANTY CONCERNING THIS PRODUCT, AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE SPECIFICALLY DISCLAIMED. LIABILITY FOR BREACH OF THE ABOVE WARRANTY IS LIMITED TO COST OF REPAIR OR REPLACEMENT OF THE PRODUCT, AND UNDER NO CIRCUMSTANCES WILL HAZLUX BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

PENDANT AND STANCHION TYPE MOUNTS (Figure 6)

Screw the tank assembly mount onto previously install conduit, a minimum of 3 threads must be engaged between the conduit and tank assembly mount. Tighten the conduit locking screw (A) to 30 inch pounds.

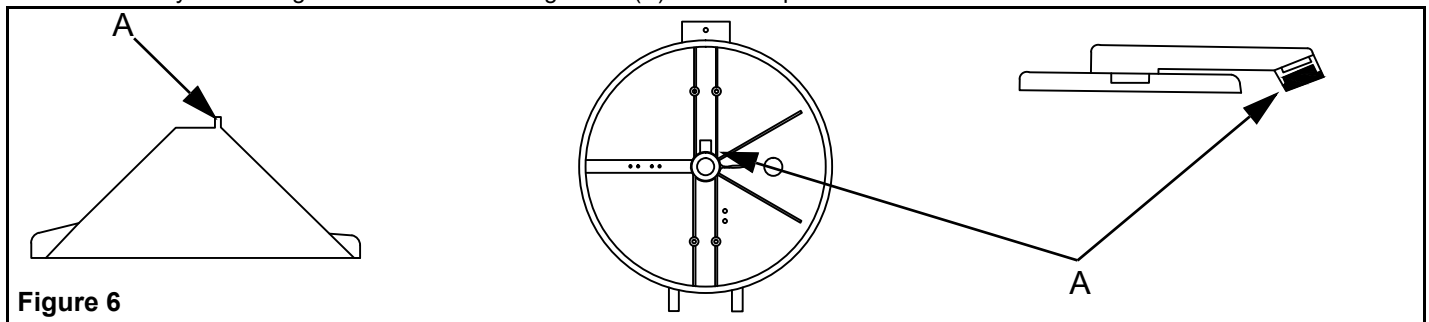


Figure 6

CEILING TYPE MOUNT (Figure 7)

Install the tank assembly mount to the appropriate mounting surface by means of the external mounting lugs (B).

Ceiling - bolt circle: 12-3/4"

Install conduits plug in any unused conduit entries with the supplied close-up plugs (C), minimum of 3 threads must be engaged between the conduit or close-up plug and tank assembly mount.

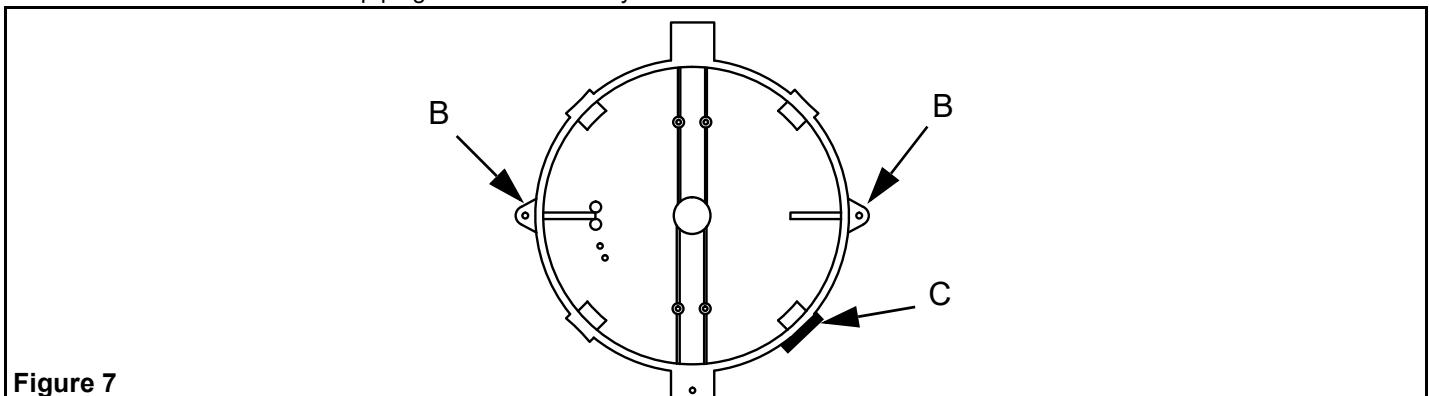


Figure 7

WALL TYPE MOUNT

Wall bolt pattern: 3-3/4" X 3-3/4"

Install conduits plug in any unused conduit entries with the supplied close-up plugs (C), minimum of 3 threads must be engaged between the conduit or close-up plug and tank assembly mount.



Always inspect gasket joints before closing the tank assembly, if gasket shows any indication of deterioration, replace the tank assembly.

