

OUTLET BOX MOUNTING INSTRUCTIONS

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


–WARNING–

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


–WARNING–


LUMINAIRE MUST BE GROUNDED AS REQUIRED PER PARAGRAPH 410.44 AND ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND/OR SECTION 10 AND RULE 30-500 OF CANADIAN ELECTRIC CODE. FAILURE TO PROPERLY GROUND THIS LUMINAIRE WILL CREATE AN ELECTRICAL SHOCK HAZARD WHICH CAN CAUSE SERIOUS INJURY OR DEATH.

INSTRUCTIONS FOR INSTALLATION

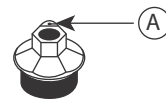
NOTE: For suitable fixture support, consult National Electrical Code (NEC) or Canadian Electrical Code.

FIXTURES MUST HAVE A MINIMUM OF FIVE FULL THREAD ENGAGEMENTS. INSTALLATION MUST BE IN COMPLIANCE WITH LOCAL AND/OR NATIONAL CODES.

NOTE: OUTLET BOX THREADS MUST BE LUBRICATED TO PREVENT GALLING. IF LUBRICANT IS REMOVED, LIGHTLY LUBRICATE WITH A CORROSION INHIBITING PETROLEUM BASED GREASE SUCH AS PETROLATUM OR SOAP-THICKENING MINERAL OIL TO INSURE EASE OF FUTURE MAINTENANCE.

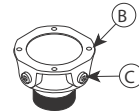
PENDANT MOUNT

Install pendant mount on conduit. Tighten set screw A to 30 in.-lbs. torque to prevent loosening.



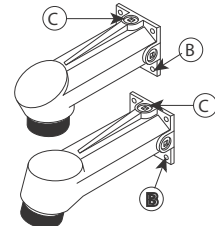
CEILING MOUNT

Install ceiling mount by means of four external mounting holes B on 6" bolt circle. Plug unused conduit entries with close-up plugs C.



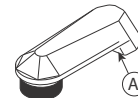
WALL OR BULKHEAD MOUNT

Install wall or bulkhead mount by means of four external mounting holes B in backplate so that threaded hub is extending downward. Plug unused conduit entries with close-up plugs C.



STANCHION MOUNT

Install stanchion mount on conduit. Tighten set screw A to 30 in.-lbs. torque to prevent loosening.



NOTE: For suitable supply wire, consult marking on fixture (ballast housing) for required temperature rating. Fixture mount must be grounded per applicable code referred to above. A separate grounding screw in the outlet box is provided to install ground lead. Check ground continuity before energizing the fixture.

LUMINAIRES FOR HAZARDOUS LOCATIONS AND ADVERSE ENVIRONMENTS

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



–WARNING–



TURN OFF POWER

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

INSTALLATION PRECAUTIONS:

1. DO NOT INSTALL LUMINAIRE IN ANY CLASSIFIED LOCATION WHERE THE MARKED OPERATING TEMPERATURE EXCEEDS THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERES. CONSULT LUMINAIRE NAMEPLATE FOR SUITABILITY IN SPECIFIC HAZARDOUS LOCATIONS.
2. DO NOT INSTALL LUMINAIRE IN A LOCATION WHERE THE AMBIENT TEMPERATURE EXCEEDS THE MAXIMUM AMBIENT TEMPERATURE SHOWN ON THE LUMINAIRE NAMEPLATE.
3. REFER TO LUMINAIRE NAMEPLATE FOR MINIMUM SUPPLY WIRE TEMPERATURE RATING.
4. VERIFY THAT THE SUPPLY VOLTAGE AGREES WITH LUMINAIRE RATING AS INDICATED ON NAMEPLATE.
5. LAMP RECEPTACLE SCREW SHELL MUST BE AT LOWEST POTENTIAL (OR GROUND)
6. ALL LOCAL, NEC AND CEC CODES MUST BE FOLLOWED WHEN INSTALLING THE LIGHTING LUMINAIRE. FOR CODE INTERPRETATION, CONSULT YOUR LOCAL CODE AUTHORITY. USE WIRING METHOD FOR CLASS I & CLASS II DIV.1 . AND PER NEC & CEC CODE.
7. BALLAST HOUSING MUST BE ASSEMBLED WITH LISTED LUMINAIRE FITTINGS AS SPECIFIED ON THE NAMEPLATE. THE MOUNTING OUTLET BOX AND GLOBE ASSEMBLY MUST FULLY ENGAGE THE HOUSING WITH A MINIMUM OF FIVE THREADS. REPLACE CRACKED OR DAMAGED GLOBE PRIOR TO USE.
8. VERIFY THAT GROUND CONTINUITY HAS BEEN ESTABLISHED BY USING AN OHMMETER OR OTHER SUITABLE TESTING EQUIPMENT BEFORE ENERGIZING THE LUMINAIRE. FAILURE TO PROPERLY GROUND THE LUMINAIRE WILL CREATE AN ELECTRICAL SHOCK HAZARD WHICH CAN CAUSE SERIOUS INJURY OR DEATH.



–WARNING–



**DO NOT SCRATCH, SCORE, NICK OR CHIP THE GLASS GLOBE.
FIRE AND EXPLOSION HAZARD.**

**BREAKAGE OF GLASS GLOBE AND EXPOSURE OF LAMP TO A COMBUSTIBLE ATMOSPHERE CAN RESULT IN AN
EXPLOSION AND POSSIBLE INJURY OR DEATH.**



–WARNING–



**LUMINAIRE MUST BE GROUNDED AS REQUIRED PER PARAGRAPH 410.44 AND ARTICLE 250 OF THE NATIONAL
ELECTRIC CODE AND/OR SECTION 10 AND RULE 30-500 OF CANADIAN ELECTRIC CODE. FAILURE TO
PROPERLY GROUND THIS LUMINAIRE WILL CREATE AN ELECTRICAL SHOCK HAZARD WHICH CAN CAUSE
SERIOUS INJURY OR DEATH.**

LUMINAIRE CLEANING:

Periodic cleaning of the globe assembly may be needed to maintain full lighting efficiency and to prevent excessive dust or dirt accumulation, which could cause the luminaire to operate at a higher temperature.

Cleaning the luminaires components should be done with a non-abrasive solution of soap or detergent and water. Residual solution should be removed by clean water rinsing.

NOTE: IF LUBRICANT IS REMOVED FROM THREADS DURING MAINTENANCE OR RELAMPING, LIGHTLY LUBRICATE WITH A CORROSION INHIBITING PETROLEUM BASED GREASE SUCH AS PETROLATUM OR SOAP-THICKENING MINERAL OIL.

DISCHARGE VESSEL REPLACEMENT PROCEDURES

DISCONNECT THIS LUMINAIRE FROM SUPPLY CIRCUITS BEFORE REMOVING GLOBE TO AVOID EXPOSING HOT SURFACES OR ELECTRIC ARCING TO HAZARDOUS ATMOSPHERE. DO NOT RE-ENERGIZE UNTIL THE GLOBE HAS BEEN RE-INSTALLED. FAILURE TO COMPLY WITH THIS WARNING CAN CAUSE FIRE OR EXPLOSION WHICH CAN RESULT IN SERIOUS INJURY OR DEATH.

1. Loosen thumb set screw to allow globe assembly to turn freely.
2. Remove globe assembly.
3. FOR H.I.D. MODELS
Remove H.I.D. lamp and/or optional quartz lamp.
(NOTE: it may be necessary to remove the H.I.D. lamp to replace the optional auxiliary quartz lamp.)
Verify that the H.I.D. lamp complies with lamp specifications on luminaire nameplate, then install. To install quartz auxiliary lamp, push and twist lamp into bayonet receptacle.
FOR FLUORESCENT MODELS
Remove lamp(s).
Verify that the replacement lamp complies with lamp specifications on luminaire nameplate, then install.
To install fluorescent lamp, push lamp into bi-pin receptacle.
4. To reassemble globe assembly, refer to installation procedure.

FILE THIS INSTRUCTION SHEET FOR FUTURE USE

INSTRUCTIONS FOR INSTALLATION

Install luminaire outlet box (A) (per instructions supplied with outlet box fitting).

Remove female contact assembly (E) from mounting bosses (B).

Pull supply wires (C) (use proper temperature rated wire- See luminaire nameplate on ballast housing).

NOTE: LUMINAIRE MUST BE GROUNDED. A SEPARATE GROUNDING SCREW IN THE OUTLET BOX IS PROVIDED TO INSTALL GROUND LEAD. CHECK GROUND CONTINUITY BEFORE ENERGIZING THE LUMINAIRE.

Install grounding lead (D) to grounding screw in outlet box. Connect line lead to terminal (G) marked "LINE". Complete circuit by attaching common or second line to terminal (F) marked "WHITE" in female contact assembly. Visually inspect connection.

Return female contact assembly to outlet box and secure to mounting bosses (B), with fasteners (H).

NOTE: ALL THREADS MUST BE LUBRICATED TO PREVENT GALLING. IF LUBRICANT IS REMOVED, LIGHTLY LUBRICATE WITH A CORROSION INHIBITING PETROLEUM BASED GREASE SUCH AS PETROLATUM OR SOAP-THICKENING MINERAL OIL TO INSURE EASE OF FUTURE MAINTENANCE.

Screw luminaire section (ballast housing) onto outlet box until hand tight. To secure luminaire section onto outlet box, tighten #10-24 set screw to 30 in.-lbs. (max.) torque.

BENCH ASSEMBLY- assembly of item (K)(L)(M)(N)(P) may be performed on a bench to facilitate ease of installation.

If luminaire was supplied with multi-tap ballast (indicated by more than one (1) ballast primary volts on luminaire, proper ballast voltage lead corresponding to supply voltage must be connected to luminaire lead labeled "line" with connector supplied. All leads must be inserted into cable tie and secured in place. Unused primary wire must be insulated to prevent shorting.

If luminaire is equipped with quartz auxiliary receptacle (J) install quartz lamp before H.I.D. lamp (H.I.D. luminaire only).

Verify that the lamp(s) (L) complies with lamp specification on luminaire nameplate, then install.

Screw globe assembly (M) (clockwise) onto luminaire section until hand tight. It may be necessary to back off globe assembly (counterclockwise) slightly, to allow thumb screw to enter nearest notch. To lock globe assembly in place, tighten thumb screw (K) into notch in globe retaining ring

NOTE: WARNING NOTICE MUST BE REMOVED FROM GLASS GLOBE BEFORE INSTALLATION.

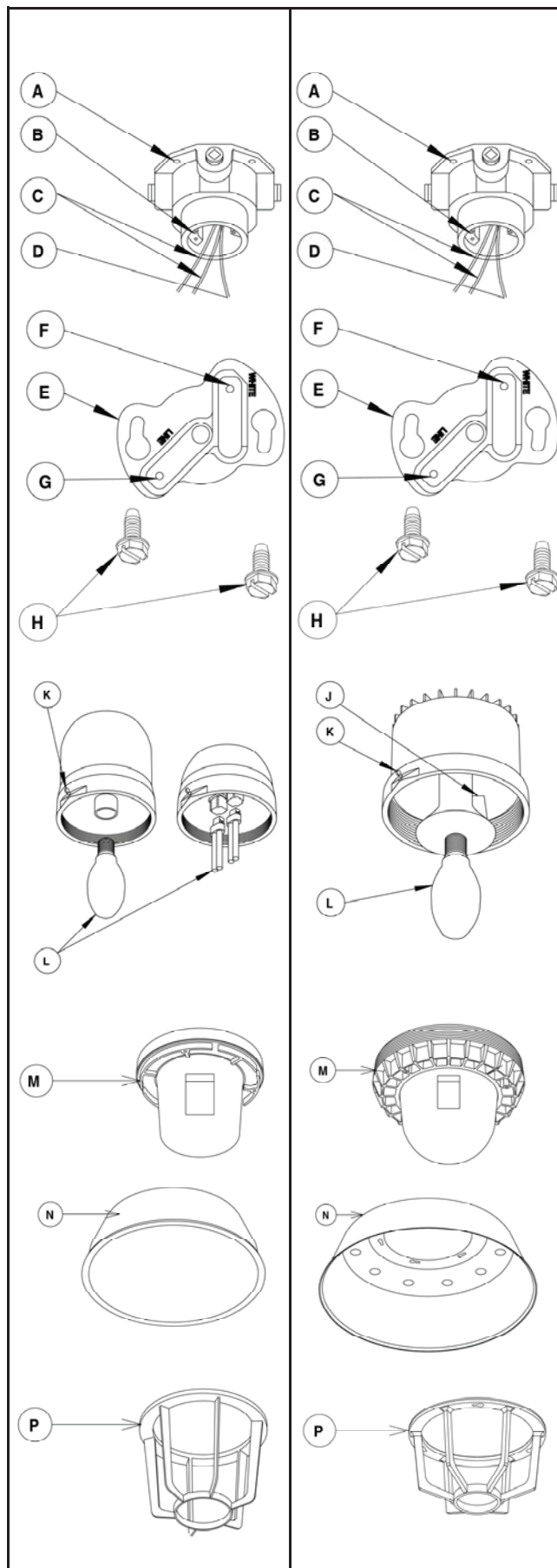
Install reflector (N) and/or globe guard (P) over three screws furnished in lower face of globe assembly. Back out screws sufficiently to allow reflector and/or globe guard to be inserted over screws and twist in place. Tighten screws to hold reflector and/or globe guard securely in place.



-WARNING-



DO NOT ENERGIZE THE LUMINAIRE UNTIL THE GLOBE ASSEMBLY AND MOUNTING OUTLET BOX HAVE BEEN INSTALLED TO AVOID EXPOSING HOT SURFACES OR ELECTRIC ARCING TO HAZARDOUS ATMOSPHERE. FAILURE TO COMPLY WITH THIS WARNING CAN CAUSE FIRE OR EXPLOSION WHICH CAN RESULT IN SERIOUS INJURY OR DEATH.



INSTALLATION INSTRUCTIONS FOR LUMINAIRE MOUNTS

DO NOT ATTEMPT INSTALLATION UNTIL YOU ARE FAMILIAR WITH ALL PRECAUTIONS AND PROCEDURES OUTLINED WITHIN THIS INSTRUCTION SHEET.



WARNING:
Risk of Shock.
Disconnect Power before Installation.



-WARNING-

LUMINAIRE MUST BE GROUNDED AS REQUIRED PER PARAGRAPH 410.44 AND ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND/OR SECTION 10 AND RULE 30-500 OF CANADIAN ELECTRIC CODE. FAILURE TO PROPERLY GROUND THIS LUMINAIRE WILL CREATE AN ELECTRICAL SHOCK HAZARD WHICH CAN CAUSE SERIOUS INJURY OR DEATH.

1. PENDANT AND STANCHION TYPE MOUNTS

Screw the luminaire mount onto previously install conduit, a minimum of 3 threads must be engaged between the conduit and luminaire mount. Tighten the conduit locking screw (A) to 30 inch pounds (figure.1).

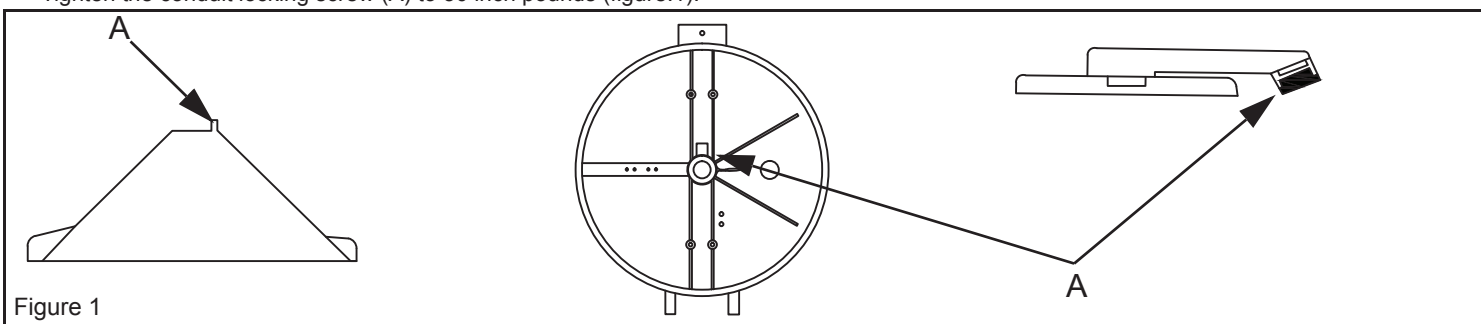


Figure 1

2. CEILING AND WALL TYPE MOUNTS

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

The bolt positions are as follows:

a. Ceiling:

12-3/4" bolt circle for std - 3 or 9-5/8" bolt circle for mini - M3

b. Wall:

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

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 luminaire mount.

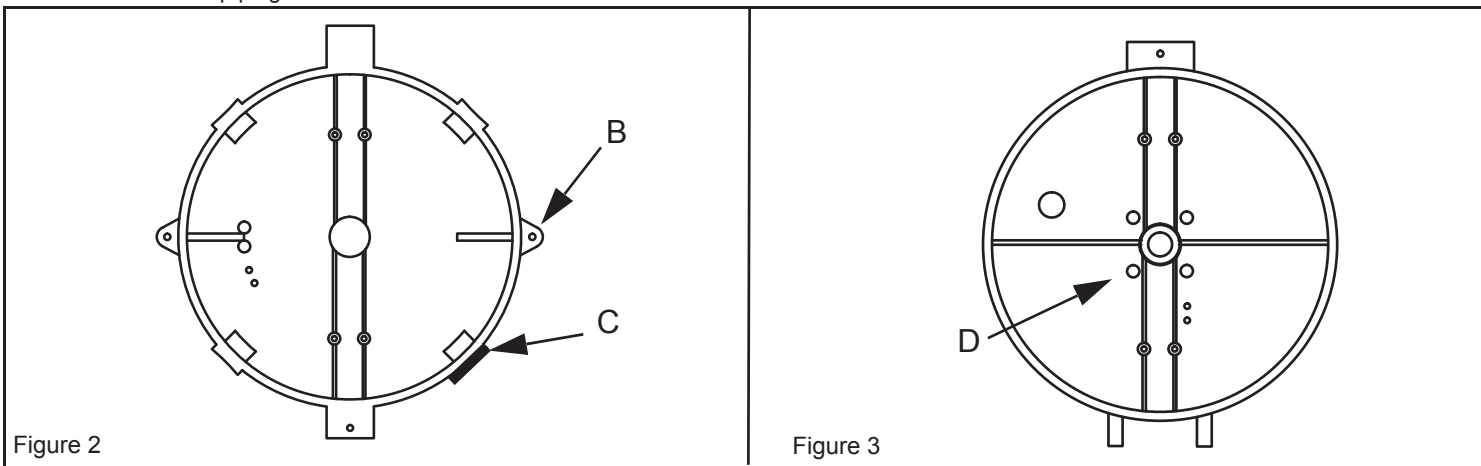


Figure 2

Figure 3

3. 4 INCH OUTLET BOX TYPE MOUNTS

Install the luminaire mount to previously installed 4 inch outlet box using supplied gasket and screws tighten mounting screws (d) to 30 inch- pounds.



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

