

MINI-BASE INSTALLATION INSTRUCTIONS

FOR DLS, GFO40

Fixtures must be installed by a licensed electrician. Installation must be in accordance with local code and with National Electric Code for U.S. Installations or Canadian Electrical Code for Canadian Installations. Power must be off during installation or maintenance.

1. Remove lens assembly by releasing two screw fasteners (A). Swing lens assembly out 30° and lift off.
2. Remove reflector screw (B), remove reflector and lift out housing cover plate.
3. Check voltage rating on ballast and be sure that it matches system voltage. For multi-tap ballasts, select correct voltage lead as marked on lead and either remove and discard other leads or insulate bare wire ends, tape leads together and tuck out of the way. Be sure bare wires of unused leads are insulated from each other and from housing.
4. Make sure unused 3/4" conduit plugs are sealed watertight.

Surface Mount to Junction Box

5. Remove backing from gasket and apply gasket to housing.
6. Drill out the mounting holes (C) with #17 drill, to match junction box. Drill mounting holes (D) with #17 drill. Drill wire entry hole (E) with 5/8" drill.
7. Install auxiliary mounting anchors for #8 screw (by contractor) on pattern shown above. Anchors must withstand 25 lb. pull each.
8. Pull common, line and ground supply leads through wire hole (E).
9. Affix housing to mounted junction box. Install anchor screws. Seal screw heads.

Surface Mount with Surface Conduit

5. Drill mounting holes (D) with #17 drill.
6. Install auxiliary mounting anchors for #8 screw (by contractor) on pattern shown above. Anchors must withstand 25 lb. pull each.
7. Mount housing. Seal screw heads.
8. Remove closure plug from desired conduit entrance location. Install standard 3/4" conduit fitting. Make sure fitting is watertight.
9. Pull common, line and ground supply leads.

Yoke Mount

5. Remove adjustment nuts on each side of yoke and remove yoke.
6. Place yoke in desired location and affix with three 1/4-20 anchors.
7. Place fixture in yoke and reinstall adjustment nuts.
8. Install strain relief clamp on gasketed junction box cover plate. Thread cord through strain relief. Make sure all connections are weatherproof.
9. Pull common, line and ground power leads into junction box.

Swivel Mount

5. Swivel mounts to standard 3/4" conduit. Install a conduit locknut on the conduit stub.
6. Remove access cover on lower section of swivel.
7. Thread swivel and fixture on conduit.
8. Position and lock fixture into position desired.
9. Pull common, line and ground power leads into splice compartment.

10. Connect line lead from power to the lead marked with correct voltage from ballast, common from power to common from ballast and ground from power to good (green) in housing, using approved crimp type, insulated connectors. Recheck all electrical connections to insure that there are no loose connections.

11. For fixtures mounted on a junction box, push all connections back through wire hole into junction box. For swivel or yoke mounted fixtures, check to see that gaskets are in place and not damaged, and replace covers.

12. **Warning:** Risk of electric shock, high temperature in fixture. For fixtures using conduit entrance, use glass fiber sleeving provided on each incoming supply lead. Put sleeving on incoming supply wire 1/2 inch extending into conduit, cut incoming supply leads 1/2 inch from sleeving, strip end and connect to fixture wiring. Entire length of supply leads must be covered. Apply glass fiber sleeving furnished to each supply lead and tie knot in leads to retain sleeving. Supply leads shall be held securely away from ballast so that sleeving cannot contact the hot surface of the ballast.

13. Install lamp as listed on data label in fixture. Only lamp listed may be used.
14. Turn on power to check installation. Stay clear of front of fixture in the event that lamp should shatter. Fixture will take 10 to 15 minutes to obtain full brightness.

15. Turn off power to install lens assembly. Inspect gasket on housing to insure that it is not damaged. Place latch end lip of lens in seal groove. Press to compress gasket and rotate lens into closed position. Press at the fastener end of the lens and tighten screw fasteners (A).

