

DESCRIPTION

The **GEFCO #EE173 SUBMERSIBLE RGB LED Power supply** is used on **RGB Color Changing LED Lighting** projects that provide situations where the maximum distance between the light fixtures and the power supply may be exceeded without the power supply being placed in the middle of a FOUNTAIN where the above water location selection is limited and the access from below is non-existent. This method of installation requires a GFCI protected power supply to meet Article 680.51 (a) & (b) of the 2008 NEC.

This unit can also be used for surface mounted in landscape area applications. Available also in flush mounted version for under water installations (see **GEFCO #EE172 Submersible FLUSH MOUNT RGB LED Power Supply**). See also **GEFCO #EE170** and **GEFCO #EE171** for similar applications.

IMPORTANT NOTE:

Due professional diligence during the installation process is absolutely required to insure the successful outcome to avoid water and other contamination entry into the box during the installation process. Conduit entries MUST be sealed with water resistant materials to avoid the introduction of water into the control area. Boxes must be closed tightly during the installation process. Consult and follow the supplied installation instructions and recommendations.

TYPICAL SPECIFICATIONS:

- * **GEFCO Select #EE173 SUBMERSIBLE CONDUIT MOUNT RGB LED Power supply:**
- Cast Bronze U.L. Listed enclosure with
- SST hardware and Buna N Seal.
- Max. 4 ea. 3/4" or 1/2" NPT bottom entry hub (Power and Data loop) - specify.
- Max. 14 ea. 1/2" NPT side entry hubs for a max. of 14 lights or power/data runs - specify.
- 15 ea. internal #10 Ground terminals.
- max. 4 ea. built-in slab conduit, 3/4" or 1/2" NPT
- 1 ea. #8-24 external bonding terminal.
- 1 ea. brass water stop plate w/ bonding screw.
- ColorKinetics® PDS-60MR 24V power supply:
- 120 VAC 1.7A 24VDC 62W operation.
- See ColorKinetics® PDS-60MR 24V specifications.

IMPORTANT

Dimensions and/or Materials subject to change without notice.

IMPORTANT

The designers, installers and end users utilizing the electrical equipment described herein assume full responsibility for the compliance with the N.E.C and it's applicable articles, intents and consequences. Where the manufacturer and/or the supplier of the electrical equipment described herein does not control the application or usage, he assumes no responsibility whatsoever for any consequences arising out of the application, installation and/or usage of this or any other equipment and/or materials

OPTIONS (Specify Quantities)

* **GEFCO Select #EE112-00 External Cable Entry Seals:**

- mached Brass
- U.L. Listed
- 1/2" NPT connection.
- max. cable diameter: .350/.435 " (9-11MM)
- Buna N cable gland.

* **GEFCO Select #EE112-00SS External Cable Entry Seals:**

- mached Stainless Steel
- U.L. Listed
- 1/2" NPT connection.
- max. cable diameter: .350/.435 " (9-11MM)
- Buna N cable gland.

* **GEFCO Select #EE137-00 External cable entry seals:**

- mached brass
- 3/4" and 1/2" NPT connection.
- max. cable diameter: .350/.435 " (9-11MM)
- U.L. Listed.
- Buna N cable gland.

See the complete **GEFCO #EE112 Series** and **GEFCO #EE137 Series** for additional cable diameters.

IMPORTANT NOTE:

- BEFORE ROUGH IN REMOVE POWER SUPPLY.
- KEEP BOX COVER SEALED.
- PROTECT JUNCTION BOX SURFACE DURING INSTALLATION AND CONCRETE POUR.
- USE TEFLON PASTE OR TAPE ON ALL FITTINGS.
- USE ONLY SCH80 PVC FITTINGS.
- USE PRIMER AND GLUE !!!
- DO NOT USE ELECTRICAL CONDUIT FITTINGS.

IMPORTANT NOTE:

- AFTER INSTALLING POWER SUPPLY & TESTING: FILL THE CONDUIT ENTRANCES WITH EXPANDABLE WATER PROOF FOAM AND SEAL THE 120V CONNECTIONS WITH RE-ENTERABLE COMPOUND (3M #2123) IN A THIMBLE.

THE USE OF PARRAFIN WAX IS NOT PERMITTED.

