

Low Voltage Luminaire (12-24VAC/DC Input) Series Installation Instructions

Scope

This document outlines the installation instructions for a low voltage LED luminaire.

Types of Installation/Preparation

This product is designed for installation into new construction or retrofit applications. For New Construction no preparation is required other than making sure a single gang junction box or 4S/5S Junction box with metal mudplate is installed and power is supplied. For retrofit applications removal of the electrical outlet, switch, or existing luminaire must be done first by certified electrician.

It is recommended that the product be installed on a metal junction box or a metal mudplate to increase the useable life of the product. The product can be installed on a plastic junction box without any safety issues but user should expect diminished lifetime.

Understanding the Luminaire

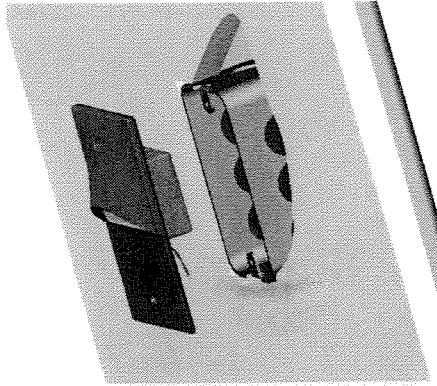
The luminaire comes pre-assembled but we have provided a quick "how-to" in the event servicing is required. The luminaire is a five (5) part fixture comprised of a two part housing, an LED module, a plastic lens, and an LED driver module with preconnected wire connectors. All parts are replaceable, repairable, and exchangeable to increase the useable lifetime of the luminaire.

The product is assembled by first attaching the LED driver module to the back housing plate and then securing the LED module through the back housing to the mating receptacles on the LED driver. The screws used to adhere the LED module to the back housing and to the power supply are socket head stainless steel. The lens is inserted into the cover housing and this assembly is then set onto the back housing. The cover housing is attached by screws holes on the back of the back housing plate.

Installation

The luminaire is designed to mount to a junction box or weather proof bell box. Installation is a five part process.

1. Disconnect power or switch off power coming into the junction box
2. Connect low voltage Class 2 UL Recognized and approved power sources (see company website for Class 2 power sources) to the low voltage connectors provided with the luminaire. Do not install the luminaire with other than intended Class 2 Power supplies.
3. Reconnect power or switch on power coming to the junction box
4. Set the brightness level by setting dip switches to LO, MED, or HI
5. Attach complete fixture to junction box with standard mounting screws



Troubleshooting

Light does not turn on:

Ensure that power to the outlet is not a switched off. If connected to a switch turn on power. A delay time of up to 1 second might be experienced in turning on the light. If the product still does not light, contact your supplier for technical assistance.

Light takes one second to turn on:

This is normal behavior for the LED driver

Cannot Dim the fixture with external wall dimmer:

The product is designed to put out a constant brightness despite fluctuations in the input voltage/power; therefore it is not intended to be used with a dimmer. It is recommended that if a lower brightness setting is required that the dip switches be set accordingly.

Using Up Light Wall Sconce Configuration and Would like to Reduce Glare:

Contact your supplier for a replacement frosted lens. The cover plate can be removed and the frosted lens can be installed to reduce glare.

