

Pre-Installation Checklist for Electronic LED Fixtures

Must Read Instructions Before Any Installations of Your On/Off System

Hot Shock LED Failure

Constant current LED drivers rise to the maximum output voltage in the absence of a load. Without a load the LED driver output is 75VDC and if connected to the LED fixture when on/hot the LED's will be permanently damaged.

The LED driver needs to off/power down first before being connected to the fixture so that when the driver turns on with the fixture connected, the LED driver can only provide the power the LED driver is required, to operate the LED fixture properly.

If the LED driver is connected to the fixture hot/on, it will send 75VDC to the diodes, which will fry them and cause the LED's to burn out (It will light up, then turns off immediately).

Clarté Lighting Operating Voltage when LED Driver and LED fixture are turned on connected

Par 8 = 11-12VDC

Par 16 = 9-10VDC

Par 20 = 18-20VDC

Par 30 = 27-29VDC

Par 38 = 36-38VDC

Caution!

Every item on this checklist must be completed before connecting the LED On/Off fixture to power. If the checklist is not followed, damage will be caused to the electrical components and warranty will be voided.

- Determine if your system is ON/OFF or dimming. If dimming please follow the instructions for 0-10 or MLV.
- Check that the house voltage is compatible with the fixture if it is 120V or 277V.
- LED fixtures must have a Dedicated Grounded line. Do not share line with any other powered devices!
- Check that the circuit has a **circuit breaker** and a **surge protector** installed and tested before connecting to power. **If not installed your warranty will be voided! No Temporary Power or extension cords!**

Attention!

LED fixtures are different than incandescent lights. LED fixtures contain electronic parts that if not handled with care and installed properly, damage can be caused to the fixture and will shorten its life and void your warranty!

1. Clarté LED electronic fixtures are not like incandescent; they do not need "burn in" time. During installation of transformer/LED module, all power/line power to housing fixture needs to be off.
2. A power surge refers to an increase in voltage that substantially exceeds the standard designated flow of electricity 120 volts - 277 volts. At a basic level, the wiring overheats and starts to burn. A slight surge or spike power surge can put a strain on the system, compromise its performance or burn out the driver and/or LED board. Installing this product without surge protection voids the warranty!

For the purchase and installation of a surge protector, please consult a specialist. This protection must be hard-wired into the main electrical panel by a licensed electrical contractor.

3. It is highly important to follow the installations instructions carefully. Improper or negligent installation will put the fixture at risk of immediate malfunction or failure.
4. We are here to help. If your installer has any questions or concerns please call Customer Service (626)261-4242 and ask to speak with someone in engineering regarding your installation instructions.