

Installation Manual

INTRODUCTION

This LED Driver is a dedicated LED driving device that delivers a constant voltage. It is suitable for powering LED lighting systems, such as LED Lamps, LED Modules, LED Strips, LED Bars, etc..

The LED Driver not only have PFC capability but also can be located in a harsh environment such as dusty, humid places.

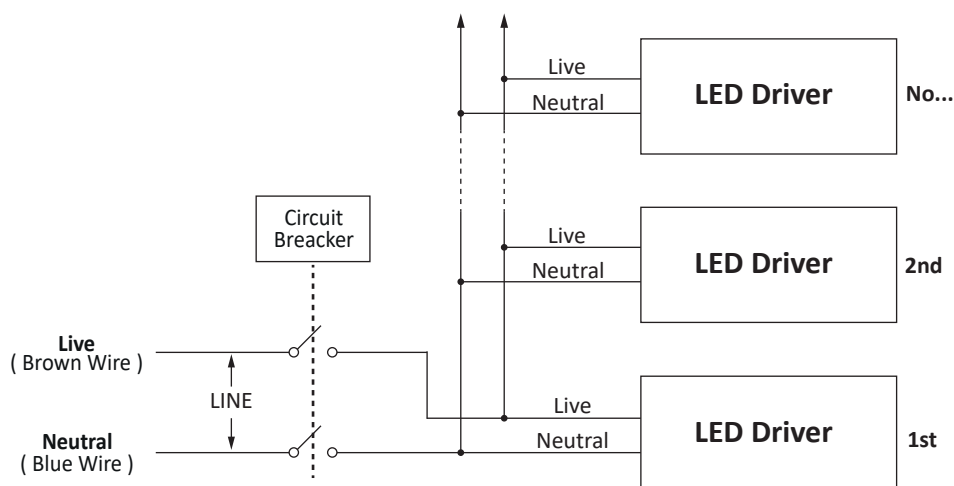
INSTALLATION

1. Wear the necessary PPE for personal safety during installation of the LED Driver.
2. Installation must be performed by qualified and authorized personnel.
3. Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
4. Keep proper ventilation around the LED Driver and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
5. Mounting orientations other than standard orientation or operate under high ambient temperature may increase the internal component temperature and will require a reduction of load. Please refer to the specification sheet to receive the optimum mounting position and information about the de-rating curve.
6. Current rating of primary and secondary cable should be greater than or equal to that of the LED Driver.
7. Please refer to its specification.
8. The LED Driver must be installed in compliance with the regulations in force in the country where it is installed.
9. Do not install the LED Driver immersed in water, even partially!
10. Wiring:

OUTPUT, SEC	Positive = Red ; Negative = Black
INPUT, PRI	Live = Brown ; Neutral = Blue

11. The maximum number of the LED Drivers can be connected to a circuit breaker at 230V is listed on table below.

CB TYPE	B10	B16	C10	C16	D10	D16
LED DRIVERS Q.TY	3	4	5	8	10	16



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12. Device is a component power supply, proper insulation around interconnections should be provided at system level. Single insulated wire should be covered by the system enclosure for safety concern.

WARNING !!

1. Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not try to open the case of the power supply by yourself!
2. Please do not install LED power supplies in places with high ambient temperature or close to fire source. Please refer to the specifications about the maximum ambient temperature limitations.
3. Before commencing any installation or maintenance work, please disconnect the power supply from the utility. Ensure that it cannot be re-connected inadvertently!
4. The Hitechled,s LED Drivers are designed in accordance with EMC regulations. Since they are belong to component power supplies and will be installed inside system enclosure, when they are integrated into a system, the EMC characteristics of the end system must be re-verified again.
5. LED Driver needs to be disposed together with lighting equipment after the end of its life.
6. LED Driver spacing to thermoplastic, wood, fiber, or other combustible type enclosure materials shall be not less than 30 mm. Two or more adjacent LED Drivers shall not be mounted closer than 30 mm end to end or 100 mm side to side.
7. The maximun case temperature (Tc) shall not be exeeded the temperature limit marked on LED Driver case/data sheet.

**Hitechled products carry limited warranty,
For complete details refer to the warranty
policy found at www.hitechled.it**

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