

LS-DIM

Phase Dimmable LED Driver

Key Features

- Leading and Trailing Edge dimmer compatible
- Selectable currents between 350 to 700mA
- Compact design housing for easy installation
- Threefold PSU protection
- CE approved

Protection

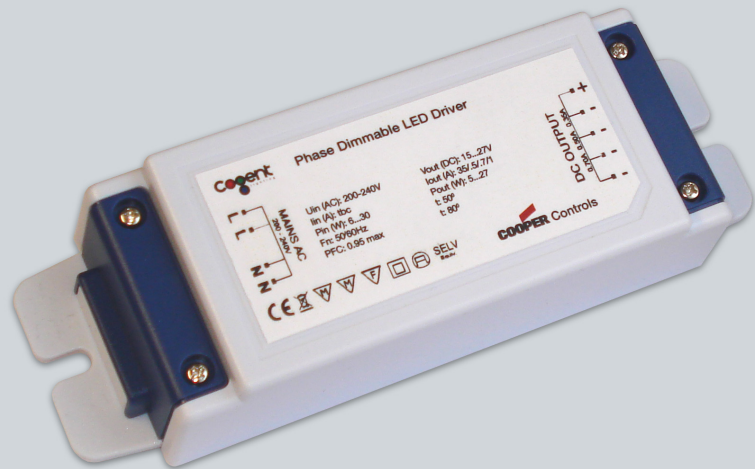
- Over Load Protection
- Short Circuit Protection
- Open Circuit Protection

Standards

- EN 61347-2, EN55015:2006,
- EN 61000-3-2, EN 61547,
- EN 61047, EN 62384:2006

Approval

- CE, EMC, FCC Class B



Phase dimmable LED driver range optimized for use with all good quality high powered LED products such as LUXEON, Cree, Seoul, Nichia and OSRAM.

The phase dimmable range offers the latest phase control (trailing and leading edge) mains dimmable LED drivers in various wattage outputs between 11W and 40W. The phase dimmable LED driver operates a single channel supplying a user selectable forward current between 350 to 700mA.

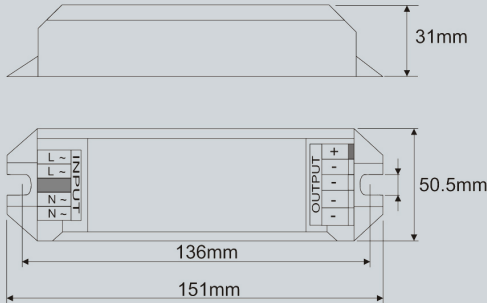
With many different driver DC voltage configurations, the MultiDIM enables each channel to contain a specific number of LEDs for maximum efficiency. The MultiDIM range offers threefold protection: Short circuit; over voltage and open circuit.

The phase is ideal for all types of LED lighting products that need to operate with conventional mains dimming circuits including applications such as dichroic or halogen with repeating and LED downlighters.

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Dimensions

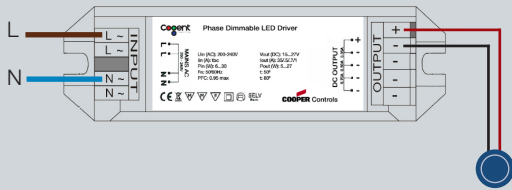


Weight

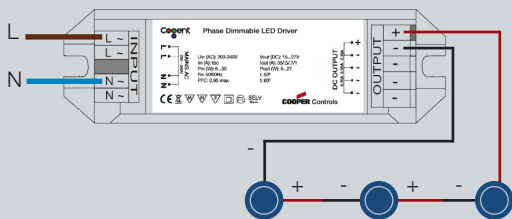
180 grams

Wiring Diagrams

230V Supply
Dimmed or Switched



230V Supply
Dimmed or Switched



Electrical Specifications

Input

Input Voltage Range: 110V AC, 277V AC

Input Frequency: 50Hz / 60Hz

Consumption: See table page 3

Power Factor: >0.9@Full load

Efficiency: 82-87% max at full load

Connection: Mains AC loop-in loop-out, 5-pin terminal block

InsulationClass: 1

Stand-by Power: <1W

Current Regulation: <5% current tolerance <10% on all outputs.

Control Input

Dimming control: Auto detection of either Trailing or Leading Edge Dimmer

Dimming Range: <10% to 100% of output load current.

Mechanical

Mounting: Two 5mm fixing holes

Construction: ABS Housing at IP 20 or IP64

Environmental

Operating Ambient Temperature: -20°C to + 50°C

Storage Ambient Temperature: -10°C to + 70°C

Relative Humidity: 80% MAX

Lifetime (failure after 50,000 hours): 5%

Lifetime (failures after 50,000 hours) : 5%180 grams

Ordering Codes

LS-DIM11V Dimmable Driver 350, 500, 700mA for 3 to 4 LEDs

LS-DIM20V Dimmable Driver 350, 500, 700mA for 5 to 9 LEDs

LS-DIM27V Dimmable Driver 350, 500, 700mA for 9 to 12 LEDs