

LED-DR 30W

12/24V DC CONSTANT VOLTAGE DRIVER

The LED-DR Series features universal 100-240V AC power input with high reliability and Class 2 rating. Standard built-in protections include short circuit, over-current, over-voltage, and over temperature. Used commonly with Trulux receivers and controls for secondary side dimming, they can also be used in non-dimming applications (minimum loads apply). Durable plastic housing features integrated terminal blocks, wire cover strain reliefs and adjustable output voltage and output current levels.

- Class 2, 30W constant voltage driver
- Non-dimming; secondary side dimming only
- Double insulation barrier for surge protection (no ground)
- Built in short circuit, over-current, over-voltage, and over temperature protection
- Io and Vo adjustable through built-in potentiometers
- Compact housing features integrated wire cover strain reliefs
- Universal AC input (100-240V) with built-in constant current limiting circuit
- Compatible with ENCL-11 power supply enclosure (sold separate)
- cURus Recognized (indoor use)
- RoHs Compliant



LED-DR 30W DRIVER QUICK SPECS

| | |
|------------------------------|--|
| SERIES | LED-DR 30W |
| INPUT VOLTAGE | 100-240V AC, 50/60Hz |
| OUTPUT VOLTAGE | 12V DC / 24V DC |
| RATED CURRENT | 2.5A / 1.25A |
| MIN LOAD | 6W (non-dimming); 1W (secondary side dimming) |
| MAX LOAD | 30W* (non-dimming); 27W (secondary side dimming) |
| INPUT WIRE | 12 AWG maximum |
| OUTPUT WIRE | 12 AWG maximum |
| POWER FACTOR | ≥ 0.95/115V AC / ≥0.9/230V AC at full load |
| EFFICIENCY | > 82.5 (12V) / > 88% (24V) |
| DIMENSIONS | 6-1/4"L x 1-3/4"W x 1-3/16"H |
| DIMMING | Secondary side dimming w/Trulux controls (sold separately) |
| OVER CURRENT PROTECT | Constant Current limiting, auto recover after fault is removed |
| SHORT CIRCUIT PROTECT | Hiccup mode, auto recover after fault condition removed |
| OVER VOLTAGE PROTECT | Shut down o/p voltage, re-power on to recover |
| OVER TEMP PROTECT | Shut down o/p voltage, re-power on to recover |
| OPERATING TEMP | -30°C (-22°F) to 50°C (122°F) |
| OPERATING HUMIDITY | 20 ~ 95% RH non-condensing |
| RATING | cURus Recognized, RoHS Compliant, Class 2 |

*Recommended: Do not load a driver more than 90% of max load.

PROJECT:

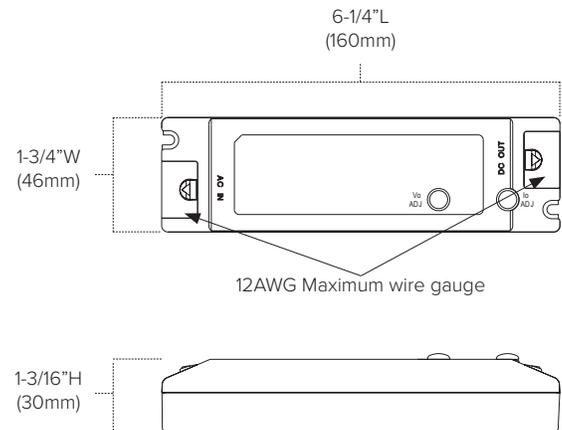
TYPE:

LOCATION:

CATALOG NUMBER:



LED-DR 30W DRIVER QUICK DIMENSIONS

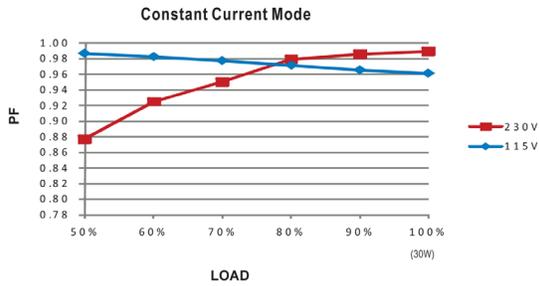


LED-DR 30W DRIVER ORDERING INFORMATION

| ITEM NUMBER | DESCRIPTION | INPUT VOLTAGE | OUTPUT VOLTAGE | MIN LOAD | MAX LOAD |
|-------------|---|---------------|----------------|------------------|-------------------|
| LED-DR30-12 | 30W constant voltage driver | 100-240V AC | 12V DC | 6W (non-dimming) | 30W (non-dimming) |
| LED-DR30-24 | 30W constant voltage driver | 100-240V AC | 24V DC | 6W (non-dimming) | 30W (non-dimming) |
| ENCL-11 | Power supply enclosure 11-1/2"L x 1-7/8"W x 1-3/4"H | N/A | N/A | N/A | N/A |

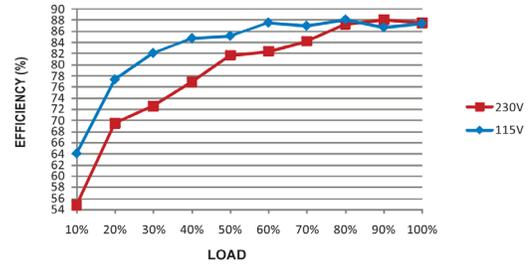
LED-DR 30W DC DRIVER ADDITIONAL INFO

■ Power Factor Characteristic



■ EFFICIENCY vs LOAD (48V Model)

PLC-30 series possess superior working efficiency that up to 85.5% can be reached in field applications.





AMERICAN LIGHTING WARRANTY

LIMITED WARRANTY FOR LED PRODUCTS: 2 YEARS

LIMITED PRODUCT WARRANTY

Our products are warranted to be free from defects in material and workmanship for the warranty period listed. Warranty periods begin from the date of shipment from American Lighting Inc's warehouse to the original purchaser. Products that prove to be defective during their specific warranty period will be either repaired or replaced, at the sole discretion of American Lighting Inc. Claims for defective products must be submitted in writing to American Lighting Inc's RGA Department within the warranty period. Upon approval of such return, American Lighting Inc reserves the right to inspect the product for misuse or abuse. Claims for indirect or consequential damages or for product that, in American Lighting Inc's opinion, has been misused will be denied. This is a warranty of product reliability only and not a warranty of merchantability or fitness for a particular purpose. American Lighting Inc shall have no liability whatsoever in any event for payment of incidental or consequential damages, including, without limitations, installation costs and/or damages for personal injury and/or property. These products may represent a possible shock or fire hazard if improperly installed or altered in any way. This warranty does not apply to any product that has not been properly installed in accordance with current local codes and/or the National Electrical Code. Products that require a transformer, driver, or power supply must be used in conjunction with American Lighting Inc's recommended power supply to ensure safety and retain product warranty.

PRODUCT SPECIFICATIONS

For the latest product information, updates, instructions and details concerning specifications, colors, finishes, performance, installation and design, visit www.americanlighting.com. Color may vary from the color printed herein due to limitations in photographic and printing processes. American Lighting Inc. reserves the right to change product specifications without notice. Other product specifications such as color temperature, wavelength characteristics and lumen output are subject to production limitations and may vary. LED technology is changing rapidly, and not all color temperatures and performance levels can be duplicated at a later time. Best practices include purchasing 10-15% more for a particular project on the same initial order where white LED color temperatures must be maintained over project and product life. Eventual product replacement should be considered at layout and design stages. Best practices also include testing connections and product performance prior to mounting and/or installing.

AVERAGE LIFE

Average incandescent lamp life, rated life and average life are terms used to describe the number of hours at which half of the lamps have failed. For LEDs, the hours of rated life specify the point where 70% of original lumen output is reached. Below this point, the effective life is over, however, the LED may still emit light. Individual results may vary with actual environmental conditions including, but not limited to, proper installation, ambient temperature and/or input voltage fluctuations.