

## DCP-11-12V

**150W Constant Voltage/Current LED Driver - 90V/305V AC to 12V DC - 12.5A Max - IP65**

**Product ID: 45228**

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

### DCP-11-12V AC to DC Power Converter

**Unit Type:** Constant Voltage/Current LED Driver

**Dimensions:** 8.66" x 2.67" x 1.52"

**Weight:** 2.53 lbs

**Watts:** 150W

**Input Voltage:** 90V AC-305V AC, 127V DC-431V DC

**Input Frequency:** 47-63Hz

**Output Voltage:** 12V DC

**DC Output Adjustment:** +/-10% Rated Output Voltage

**Amps:** 12.5A Max

**Mode:** Constant Current

**Dimming:** NA

**Ripple/Noise:** 150mVp-p

**Efficiency:** 91.5%

**Power Factor:** PF = 0.98/115V AC, PF = 0.95/230V AC, PF = 0.92/277V AC @ Full Load

**Total Harmonic Distortion:** THD < 20% (@ load = 60% / 115V AC, 230V AC; @ load = 75% / 277V AC)

**Protection:** Short Circuit, Overload, Over Voltage, Over Temperature

**Operating Temp:** -40°C to +90°C

**Materials:** Metal

**Mount:** Surface

**Wiring:** Stripped Flying Leads (Input/Output)

### Ratings/Features

IP65 Waterproof

Air Convection Cooling

62,000+ Hours Lifespan

### Special Orders - Special Requirements

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**Fax:** 1-903-498-3364

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The Larson Electronics DCP-11-12V Constant Voltage/Current LED Driver is an AC to DC power converter for LED lighting systems and low voltage equipment. The 150-watt unit accepts 90V AC to 305V AC or 127V DC to 431V DC input voltages and provides 12V DC output (+/- 10% adjustable). Constructed of metal, the IP65-rated device supports an estimated lifespan of 62,000+ hours and a fanless design.**

The DCP-11-12V provides a safe and effective way for operators to convert AC to DC voltages for low voltage systems, including LED fixtures. This 150-watt unit features an input voltage range of 90V AC to 305V AC or 127V DC to 431V DC @ 47-63 Hz. Low voltage 12V DC is provided on the output side @ 12.5 amps (maximum). DC output is adjustable by +/- 10%, based on the rated output voltage. Protective mechanisms include the following: short circuit, overload, over voltage and over temperature. Featuring 91.4% efficiency, the AC to DC constant voltage/current LED driver comes with an estimated lifespan of 62,000+ hours. This power converter is constructed of metal and features a fanless design for natural cooling. The unit is equipped with an IP65 waterproof rating, making it suitable for indoor, outdoor and wet locations. The small size and wide input voltage range of this device makes it ideal for operating Larson Electronics LED light bars, remote control spotlights, and other equipment that requires 12V DC current.

**NOTE:** *In order to obtain the best performance and the longest operational life from these units, it is recommended that you do not exceed 75% of the unit's output amperage. To determine if this converter suits your desired application, add together the total wattage of the equipment you intend to use with this unit and divide this total by 12 volts to find the total amperage draw that will be placed upon the converter. For example, if you are using our LEDP10W-60E 60 watt LED light, 60 watts divided by 12 volts is 5 amps. This would mean the DCP-11-12V is well suited as it would run at slightly less than 50% capacity to produce the necessary 5 amps. Running these units at 100% of their capacity can create excess heat and lead to shortened converter life.*

**Wiring:** The AC to DC converter comes with stripped flying leads at the input and output for completing electrical connections. The input side contains a blue, green and brown wire. The output side features a red and black wire.

**Mounting:** The DCP-11-12V can be mounted on compatible surfaces via four slots located at each corner of the unit.

**Applications:** AC to DC power conversion, LED street lighting, parking space fixtures, LED fishing lamps, LED high bay lights, step down voltage, wet locations, industrial facilities and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

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## Frequently Asked Questions (FAQ)











**DCP-11-12V**

**Product ID: 45228**

**Export Control Classification Number (ECCN): EAR99**

Links (Click on the below items to view):

- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 3, Misc](#)
- [MSDS \(Material Safety Data Sheet](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)