



PROJECT:

TYPE:

LOCATION:

CAT:

**Description**

This Class 2 CCV-DR100-24* 0-10V dimming driver features a dual mode constant voltage and constant current output. Featuring a metal housing with Class I design which allows it to operate with a case temperature from -40°F to 194°F under free air convection.

Features

- Constant voltage + Constant current modes
- 3-in-1 dimming capable: 1~10VDC, 10V PWM, and resistance dimming
- Maximum wattage output up to 100W
- Built-in active Power Factor Correction (PFC)
- Class 2 design and IP65 rating
- Metal Housing with Class I design
- Auto-reset protection for short circuit and over-voltage
- cURus Listed to UL8750 Standard "Type HL" & CSA C22.2

Mounting

Mounting feet at both ends allows for screw down upon flat surface

Applications

Suitable for LED lighting

Warranty

2 years



Technical Information

Model	CCV 100W
Output DC Voltage	24V DC
Rated Current	4A
Maximum Load	100W
Minimum Load	1W (non-dimming); 40W (dimming)
Input Voltage Range	90-305V AC
Frequency Range	47~63Hz
Power Factor	≥0.98/115V AC, ≥0.95/230V AC, ≥0.92/277V AC at full load
Efficiency	93%
Dimming	1~10V DC, 10V PWM signal, and resistance
Over Current Protect	95 ~ 106%, Constant current limiting, recovers automatically after fault condition is removed
Input Wire	11" 18AWG SJTW x3C
Output Wire	11" 18AWG SJTW x2C or 11" 14AWG x2C
Short Circuit Protect	Hiccup mode, recovers automatically after fault condition is removed
Over Voltage Protect	28 ~ 34V Shut down o/p voltage with auto-recovery or re-power on to recover
Over Temp Protect	Shut down o/p voltage, recovers automatically after temp goes down
Operating Temp	Tcase = -40°F to 194°F (-40°C to 90°C) General ambient temperature max: 140°F (60°C)
Operating Humidity	10 ~ 95% RH non-condensing
Rating	cURus for wet or dry locations; IP65; RoHS Compliant

Ordering Information

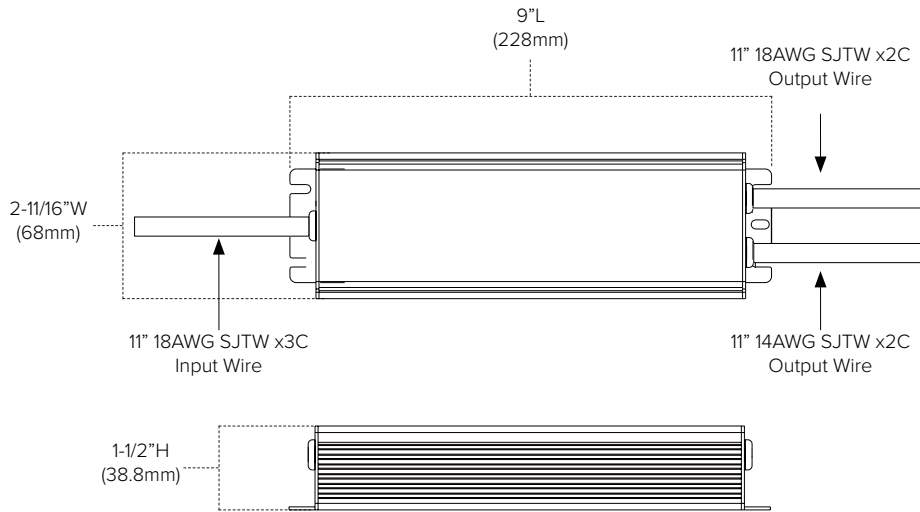
CCV 100W
Driver**CCV-DR100-24 includes:**

(1) 24V DC Power Supply

CCV-DR100-24 Drivers available as special order only.
Please allow up to 2 weeks for order processing.

Example Part # CCV-DR100-24

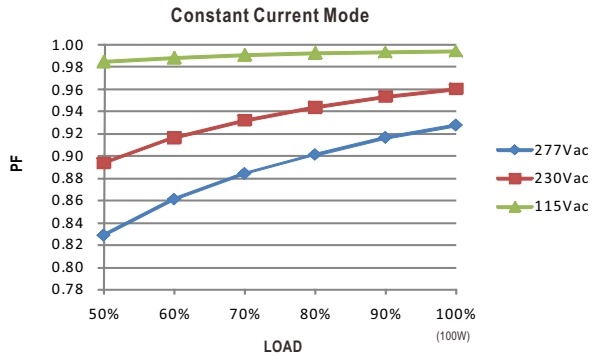




Additional Information

POWER FACTOR(PF) CHARACTERISTIC

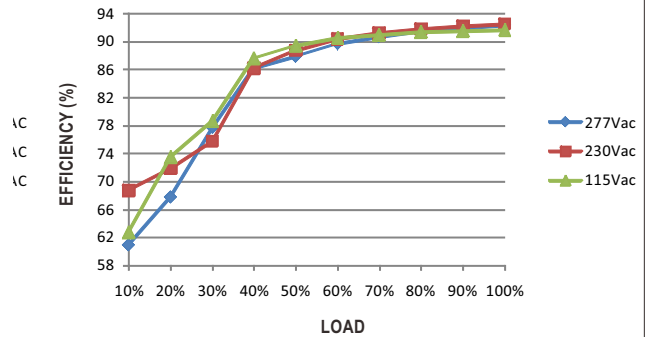
※ Tcase at 80°C



EFFICIENCY vs LOAD

HLG-100H series possess superior working efficiency that up to 93% can be reached in field applications.

※ 48V Model, Tcase at 80°C



NOTES
