PSDE-180W-24V-010 180W/120V~240W/277V Constant Voltage LED Driver

CORE LIGHTING

SPECIFICATION SHEET

JOB NAME: _____
LOCATION: _____
QUOTE/REF#: _____

INDOOR | OUTDOOR | IP67 IP65 | DIMMABLE

FEATURES

- 180W/120V - 240W/277V
- Constant Voltage
- 0-10V Dimming
- Metal Housing with Class I Design
- IP67/IP65 Rated
- Built-in Active PFC Function
- Suitable for Indoor or Outdoor Use
- 93% High-Efficiency Output

5 YEAR WARRANTY

c UL us LISTED

PSDE-180W-24V-010 is a 240W AC/DC LED driver that features a high-efficiency output of 93% allows it to operate under free air convection. The metal housing design and IP67/65 ingress protection rating makes it suitable for both indoor and outdoor use. It has dimming functions, adjustable output, and built-in active PFC.

INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	100 ~ 305VAC
INPUT FREQUENCY RANGE	47 ~ 63Hz
INPUT CURRENT	2.2A / 115VAC
INRUSH CURRENT	cold start 60A at 230VAC
EFFICIENCY	93%
POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC @ full load
TOTAL HARMONIC DISTORTION (THD)	THD < 20%

OUTPUT SPECIFICATIONS

OUTPUT VOLTAGE	24V DC
CONSTANT CURRENT REGION	12V ~ 24V
OUTPUT CURRENT	10A
OUTPUT POWER	180W ~ 240W
ADJUSTABLE VOLTAGE RANGE	22.4V ~ 25.6V
ADJUSTABLE CURRENT RANGE	5A ~ 10A
VOLTAGE TOLERANCE	± 2.0%
LINE REGULATION	± 0.5%
LOAD REGULATION	± 0.5%
SETUP, RISE TIME	500ms, 100ms/230VAC

ENVIRONMENT SPECIFICATIONS

ENV. PROTECTION RATING	IP67 / IP65
WORKING TEMPERATURE	Tcase = -40~+90ºC
MAX CASE TEMPERATURE	Tcase = +90ºC
WORKING HUMIDITY	20 ~ 95% RH non-condensing
STORAGE TEMP, HUMIDITY	-40~+90ºC, 10~95% RH non-condensing
TEMPERATURE COEFFICIENT	± 0.03% / ºC (0~60ºC)

SAFETY / PROTECTION SPECIFICATIONS

OVER CURRENT PROTECTION	95 ~ 108%
OVER VOLTAGE PROTECTION	YES; 27 ~ 34V; shut down, power on recover
OVER TEMPERATURE PROTECTION	YES; 27 ~ 34V; shut down, power on recover
OVER LOAD PROTECTION	YES
SHORT CIRCUIT PROTECTION	YES; Hiccup mode auto recover

WIRING DIAGRAM

15024 Staff Ct., Gardena CA, 90248
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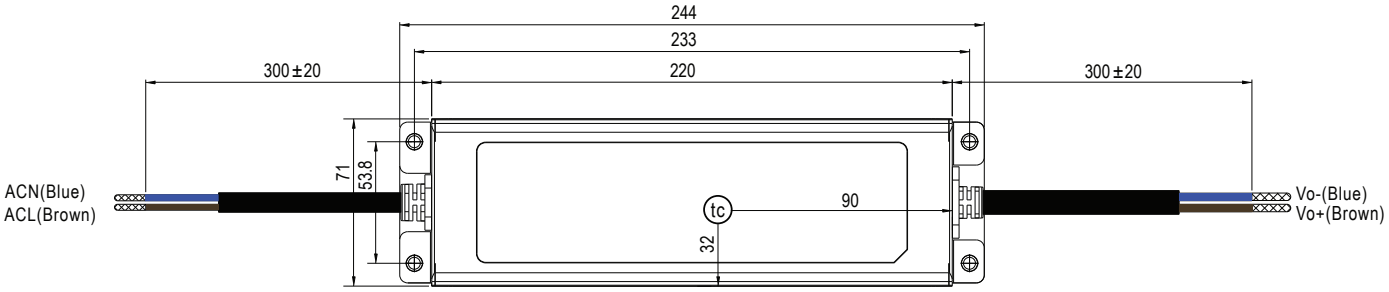
T: 888.737.9192 | F: 888.789.4643

DIAGRAM AND DIMENSIONS

Unit: MM



• tc : Max. Case Temperature

INSTALLATION GUIDE

MOUNTING

Select a suitable and proper location to mount the driver. Consider the weight of the driver to be supported.

INPUT CONNECTIONS / GROUNDING

1. Remove input wiring cover and install clamp connectors.
2. Make sure power is turned off. Route input wires and make connections based on wiring diagram following the INPUT side.
3.Make sure that driver is properly grounded in accordance with the N.E.C.

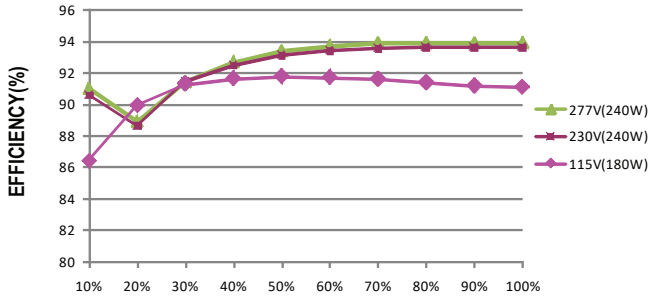
OUTPUT CONNECTIONS

1. Remove output wiring cover and install clamp connectors.
2. Make sure power is turned off. Route fixture wires and make connections based on wiring diagram following the OUTPUT side.

DIMMING

1. Make sure power is turned off.
2. Connect dimmer based on wiring diagram. Follow wire connections using suitable wire connectors .

EFFICIENCY VS LOAD



LIFETIME