

PSHW-20W-24V Hardwire Non-Dimming Constant Voltage Driver

CORE
LIGHTING

SPECIFICATION SHEET

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



Hardwire LED drivers are commonly used for DC LED systems, typically with on/off switches or compatible RGB controllers. These 24V constant voltage drivers are the perfect match for 120V switches and RGB(W) and DMX controls. Available in a wide range of wattages and multiple form factors. Use these LED drivers to meet your specific low-voltage lighting needs.

FEATURES

- Class 2 power supply
- Universal AC Input / Full Range
- Free Air Convection Cooling
- Small Form Factor / Compact Size
- Short Circuit / Overload / Over Voltage Protection
- Suitable for Indoor / Outdoor Use



INPUT SPECIFICATIONS

INPUT VOLTAGE RANGE	100V ~ 240V AC \pm 6%
FREQUENCY RANGE	47 ~ 63 Hz
EFFICIENCY	83%
AC CURRENT	0.55A/115VAC 0.35A/230VAC
INRUSH CURRENT	COLD START 70A at 230VAC
LEAKAGE CURRENT	0.25mA / 240VAC

ENVIRONMENT

WORKING TEMPERATURE	-30 ~ 70°C
WORKING HUMIDITY	20~90% RH non-condensing
STORAGE TEMPERATURE	-40~80°C
HUMIDITY	10~95% RH
TEMP COEFFICIENT	\pm 0.03% °C (0~50°C)
IP RATING	IP67

OUTPUT SPECIFICATIONS

OUTPUT VOLTAGE	24V
OUTPUT CURRENT	0.84A
CURRENT RANGE	0 ~ 0.84A
OUTPUT POWER	20.2W
RIPPLE & NOISE	150mVp-p
VOLTAGE TOLERANCE	\pm 5.0%
LINE REGULATION	\pm 1.0%
LOAD REGULATION	\pm 2.0%
SETUP, RISE TIME	500ms, 20ms/230VAC
	500ms, 20ms/115VAC at full load
HOLD UP TIME	50ms/230VAC
	16ms/115VAC at full load

SAFETY SPECIFICATIONS

OVER LOAD	Hiccup Mode
OVER VOLTAGE	Shut Off o/p Voltage

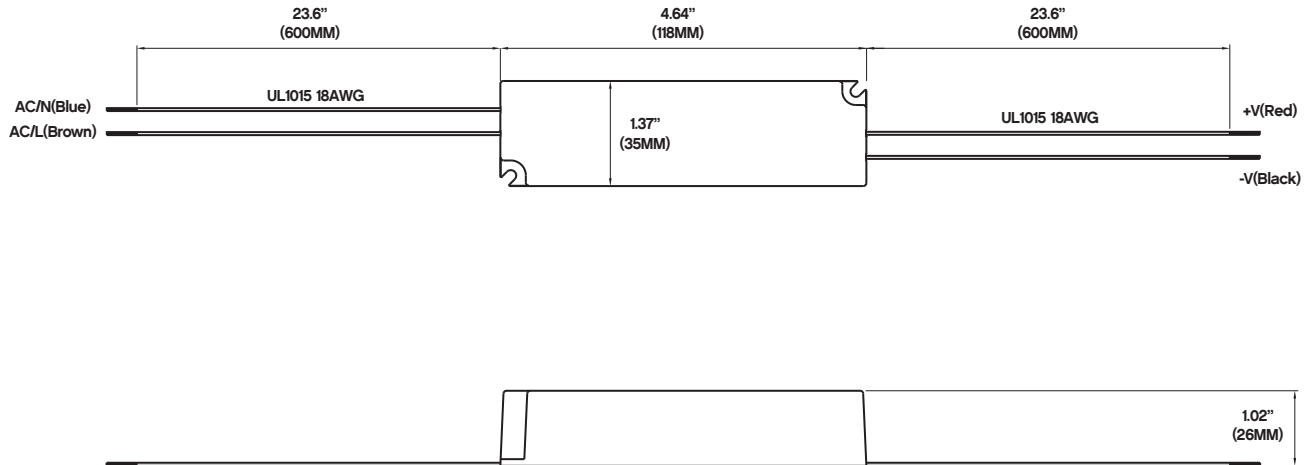
WIRING DIAGRAM



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DIAGRAM AND DIMENSIONS



INSTALLATION GUIDE



THIS TRANSFORMER IS ONLY TO BE INSTALLED BY A QUALIFIED TECHNICIAN IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES

BEFORE YOU BEGIN

Make sure the transformer has the proper input voltage and wattage for the intended job. Check wiring and make sure they match the diagram on this 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 strain reliefs.
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.

DERATING CURVE

