



DL-PS-80/24-JB-OD

LED POWER SUPPLIES

24V DC Hard Wire in Junction Box Enclosure Series

Type	
Project	
Catalog No.	



SPECIFICATIONS

Input Voltage *	110 – 277V AC
Input Frequency	47 – 63Hz
Output Voltage	24V DC +/- 3%
Output Power	80W
Output Current	4A
Input Current	0.85A (115V) – 0.425A (230V)
Efficiency	90.5%
MTBF	357K hours @ 77°F
Weight	1.1 lbs
Housing	Metal
Max Case Temperature †	176°F / 80°C
Operating Temperature †	-13°F to 140°F / -25°C to 60°C
Operating Humidity	20% - 95% RH
Environment	Wet, Damp, or Dry
Certifications	UL

* Derating may be needed under low input voltages. Check the derating curve for more details.

† Refer to derating curve if approaching max operating temperature. Exceeding the temperature may damage this product. It is recommended adequate airflow and heat sinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure.

FEATURES

- UL Listed for Wet, Damp, and Dry locations
- Short circuit / overload / over voltage / over temperature protection
- Built-in PFC function (< 0.96)
- UL1310 Class 2 power supply
- UL8750 Listed
- Cooling by free air convection
- 0-10V Dimmable (LC-DIM5A-HW optional)

DIMMING NOTES

For best dimming performance use the LC-DIM5A-HW (Do not use the DIM + and DIM – wires with the LC-DIM5A-HW).

For alternate 0-10V dimmers using the provided DIM + and DIM – wires, the table below represents typical values for reference purposes only. Performance may vary depending on the load, dimmer, product, and installation. It is highly recommended a dimming test be conducted prior to specifying dimming.

Load	Dimming Range
20W	100 – 60%
40W	100 – 40%
60W	100 – 35%
80W	100 – 30%

Interference, noise control/reduction, and voltage drop must be taken into consideration when installing this product. Long wire runs can produce a significant drop in the signal level resulting in different light levels by the same control device. Installing high voltage cable near low voltage wiring may cause interference and result in flickering.

It is recommended this product and the power supply be installed as close as possible to the LED fixture(s). Shielded cable should be considered during the installation to reduce interference.

Always install according to NEC.

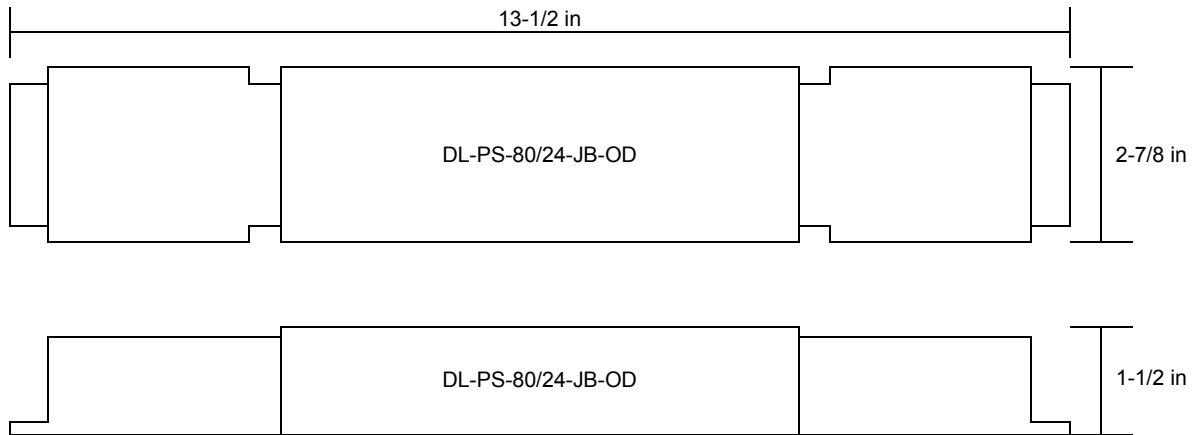


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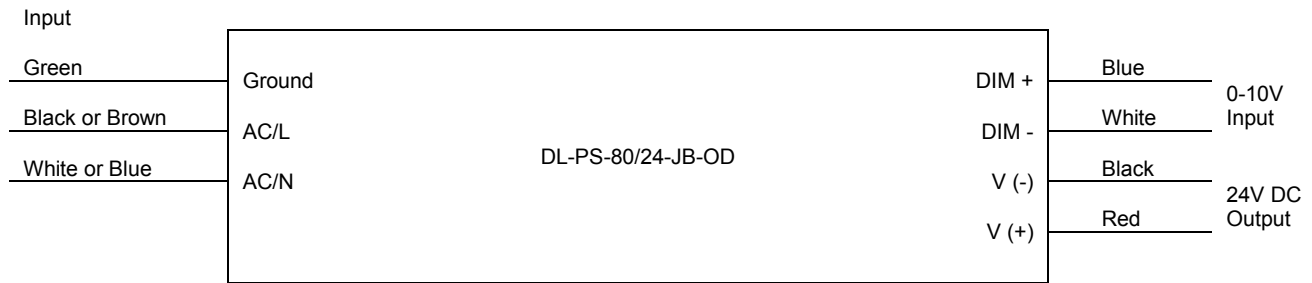
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DIMENSIONS



WIRING DIAGRAM



DERATING CURVES

