



80W 24V DC Dimmable LED Power Supply, 120-277V Input, Triac & 0-10V, UL Listed

- Delivers 80W output at 24V DC, 3.3A constant voltage
- Accepts 120-277V AC input for broad commercial compatibility
- Supports Triac and 0-10V dimming, compatible with Lutron controls
- Aluminum alloy enclosure for durability in indoor settings
- IP20 rated for dry indoor installation environments
- UL Listed with a 1-year warranty

OVERVIEW

The P-80-24-D-UL is an indoor LED power supply designed for commercial and industrial lighting installations requiring a stable 24V DC output. It is suited for use with LED strip systems, signage, and other 24V DC LED loads where a reliable constant-voltage driver is needed.

This unit delivers 80W of output power at 24V DC and 3.3A, accepting an input voltage range of 120-277V AC to accommodate a variety of commercial electrical systems. It supports Triac and 0-10V dimming, compatible with Lutron and other common dimming controls. The enclosure is constructed from aluminum alloy and carries an IP20 rating, suited to dry indoor environments, with an ambient operating range of -30 to 50 degrees C.

This power supply is UL Listed and carries a 1-year warranty.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	24 V
Wattage	80 W
Current Draw	3.3 A
Dimmer Type	Triac & 0-10V
Power Supply Input	120VAC
Power Supply Output	24VDC

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-30-50 °C -22-122 °F

MECHANICAL

Material	Aluminum Alloy
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ORDERING

Warranty	1 y
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CERTIFICATIONS & COMPLIANCE



UL Listed

APPLICATIONS

LED strip lighting installations

Commercial signage power supply

Indoor architectural lighting systems

Retail display lighting

Dimmable LED lighting retrofit projects

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
operating_voltage	24 V	pdf	high
wattage	80 W	db	high
current_draw	3.3 A	pdf	high
dimmer_type	Triac & 0-10V	pdf	high
ps_input	120VAC	db	high
ps_output	24VDC	db	high
material	Aluminum Alloy	db	high
ip_rating	IP20	db	high
ambient_temp_c	-30-50 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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