



250W 12V DC Dimmable LED Power Supply, Triac & 0-10V, 120V AC Input

- Delivers regulated 12V DC output at 250W
- Accepts 90-130V AC input for standard line voltage compatibility
- Supports Triac and 0-10V dimming, compatible with Lutron controls
- Aluminum alloy housing measures 9.75 × 2.75 × 1.5 in
- IP20 rated for dry indoor environments
- Rated for ambient operating temperatures from -30C to 50C

OVERVIEW

The P-250S-D is a 250W, 12V DC dimmable LED power supply designed for indoor LED lighting installations in commercial and residential applications. Its aluminum alloy housing measures 9.75 × 2.75 × 1.5 in. and weighs 1 lb, allowing installation in space-constrained enclosures.

The unit accepts 90–130V AC input and delivers a regulated 12V DC output at 250W. It supports Triac and 0-10V dimming protocols, providing compatibility with Lutron and similar control systems. An IP20 rating provides protection against solid particle ingress in dry indoor environments, and the unit is rated for ambient temperatures from -30°C to 50°C.

The P-250S-D carries a 3-year warranty and is CE marked.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	12 V
Wattage	250 W
Dimmer Type	Triac + 0-10V
Power Supply Input	90 - 130VAC
Power Supply Output	12VDC

ENVIRONMENTAL

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

MECHANICAL

Product Dimensions	9.75 × 2.75 × 1.5 in
Material	Aluminum Alloy
Weight	1 lb

ORDERING

Warranty	3 y
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CERTIFICATIONS & COMPLIANCE



APPLICATIONS

- Indoor architectural LED lighting
- Commercial signage illumination
- Residential accent and cove lighting
- Retail display lighting

slug	value	source	confidence
operating_voltage	12 V	pdf	high
wattage	250 W	db	high
dimmer_type	Triac + 0-10V	db	high
ps_input	90 - 130VAC	db	high
ps_output	12VDC	db	high
product_dimensions	9.75 × 2.75 × 1.5 in	db	high
material	Aluminum Alloy	db	high
weight	1 lb	db	high
ip_rating	IP20	db	high
ambient_temp_c	-30–50 °C	db	high
warranty_years	3 y	db	high

Specifications subject to change without notice.

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