



Outdoor Dimmable LED Driver, 600 W, 110-277 VAC Input, 24 VDC Output, Triac Phase-Cut, IP66

- 600 W constant-voltage output at 24 VDC, 25 A rated current
- 110-277 VAC input with built-in active PFC, PF 0.95 or higher
- Efficiency up to 93.5% at 277 VAC, free air convection cooling
- IP66 aluminum alloy housing for dry, damp and wet locations
- Forward phase, MLV, reverse phase, ELV and TRIAC dimming, 0-100%
- UL, CE, FCC and RoHS with 5-year warranty

OVERVIEW

A 600 W constant-voltage outdoor LED driver with a 110-277 VAC input range and 24 VDC output, housed in an aluminum alloy enclosure rated IP66 for dry, damp and wet locations. Phase-cut dimming operates through the AC line, working with forward phase, MLV, reverse phase, ELV and TRIAC dimmers over a 0-100% range with PWM output.

Built-in active PFC holds power factor at 0.95 or higher, with efficiency up to 93.5% at 277 VAC and 25 A rated output current. Cooling is by free air convection, and hiccup-mode short circuit, overload and over-temperature protections recover automatically once the fault is cleared. Operating range is -40 to +60 C at 20-95% RH non-condensing.

UL, CE, FCC and RoHS. Backed by a 5-year warranty.

SPECIFICATIONS

ELECTRICAL

Operating Voltage	110-277 V
Wattage	600 W
Current Draw	5.97 A
Dimmer Type	Triac
Power Supply Input	110 - 277VAC
Power Supply Output	24VDC
Wire Gauge *	18 input, 14 output

ENVIRONMENTAL

IP Rating	IP66
Environmental Rating	Suitable for Wet/Damp Locations
Ambient Operating Temperature *	- 40 to + 60 C
Operating Humidity	20-95% RH non-condensing

MECHANICAL

Product Dimensions	284*109*48.5mm
Finish	Metallic Silver
Material	Aluminum Alloy
Weight	4.37 lb

COMPLIANCE

UL File Number	E495946
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ORDERING

Warranty

5 y

DIMENSIONS & DIAGRAMS

	Packing	5pcs /CTN
Notes	1. All parameters NOT specially mentioned are measured at 120VAC input, rated load and 25℃of ambient temperature. 2. Tolerance: includes set up tolerance and load regulation .	

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DIMENSION

CERTIFICATIONS & COMPLIANCE

FCC

FCC

RoHS

RoHS Compliant

UL

UL Listed
E495946

CE

CE

APPLICATIONS

Exterior facade and architectural lighting

Landscape and site lighting runs

Parking structure and canopy LED fixtures

Signage and channel letter power feeds

Outdoor cove and linear LED installations

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
operating_voltage	110-277 V	pdf	high
wattage	600 W	pdf	high
current_draw	5.97 A	pdf	medium
dimmer_type	Triac	db	high
ps_input	110 - 277VAC	db	high
ps_output	24VDC	db	high
wire_gauge	18 input, 14 output	pdf	low
product_dimensions	284*109*48.5mm	pdf	high
finish	Metallic Silver	db	high
material	Aluminum Alloy	db	high
weight	4.37 lb	db	high
ip_rating	IP66	db	high
environmental_rating	Suitable for Wet/Damp Locations	db	high
ambient_temp_c	- 40 to + 60 C	db	low
operating_humidity	20-95% RH non-condensing	pdf	high
ul_file_number	E495946	db	high
warranty_years	5 y	both	high

* Value inferred from source data; verify before specification.
Specifications subject to change without notice.