

24VDC 100W Dimmable LED Power Supply, IP67, 5-in-1 Dimming, UL Listed

OVERVIEW

The P-S100-24-D-UL is a constant-voltage LED dimming driver rated at 100W with a 24VDC output. Designed for commercial and architectural LED lighting installations, it supports five dimming protocols—0-10V, 1-10V, 10V PWM, Triac, and Resistance—allowing integration with a broad range of dimming control systems without additional adapters.

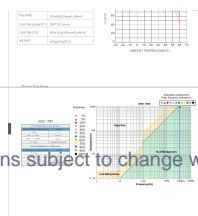
The driver delivers up to 4.17A at 24VDC±0.5VDC with a typical efficiency of 89% and a rated service life of up to 50,000 hours. Input voltage accepts 175–264Vac or 100–130Vac at 50/60Hz. The unit operates across an ambient temperature range of -30°C to 50°C and is cooled by free-air convection. Protections include overload, over-temperature, short-circuit, and over-voltage, with automatic recovery on most fault conditions. Dimming range spans 0–100% with a minimum LED start point of 1% and flicker-free output per IEEE 1789.

The power supply carries an IP67 ingress protection rating, confirming suitability for wet and dust-exposed environments. The unit references UL file E498189 and has undergone 100% full-load burn-in testing. No warranty term is confirmed in the available source data.

SPECIFICATIONS

Power	100 W	Weight	1.03 lb
IP rating	IP67	Rated life	50000 hr
Input voltage	100-130 / 175-264 Vac	Efficiency	89 %
Output Voltage	24 VDC	Power Factor	>0.55
Output Current Max	4.17 A	Dimming Interface	0-10V / 1-10V / 10V PWM / Triac / Resistance
Operating temp	-30 to 50 °C	Dimming Range	0-100 %
Dimensions	8.78 x 2.44 x 0.73 in (L x W x H)		

DIMENSION





IP67