



LED DRIVER ^{24V}

Constant Voltage

Environmental Specifications

Working Temperature (ta): -30°C to 60°C / -22°F to 140°F

Case Temperature (tc): -40°C to 85°C / -40°F to 185°F

Operating Humidity: Dry or Damp Locations 10% - 90%

Storage Humidity: Dry or Damp Locations 5% - 95%



Item# 6124096 (96W)



Item# 6124150 (150W)

Electrical Specifications

	96W	150W
Input Rated Voltage:	100-240 Vac	100-240 Vac
Input Frequency:	50/60 Hz	50/60 Hz
Power Factor:	>95%	>95%
Efficiency:	>85%	>85%
Total Harmonic Distortion:	<20%	<20%
Output Power:	96W	150W
Output Voltage:	24V dc	24V dc
Output Current:	4.0A dc	6.25A dc

Physical Specifications

	96W	150W
Low Profile Design:	5 ^{1/4} " L x 2 ^{3/8} " W x 1 ^{1/2} " H 133mm L x 60mm W x 35 mm H	7" L x 2 ^{1/2} " W x 1 ^{1/2} " H 178mm L x 64mm W x 35 mm H
Weight:	1.10 LBs / 500g	1.7 LBs / 772g
Input Wires:	L (Black), N (White)	L (Black), N (White)
Output Wires:	Positive (Red), Negative (Black)	Positive (Red), Negative (Black)
Enclosure:	200 mm/7.87" Conforming to SELV	200 mm/7.87" Conforming to SELV

Notations

96W Promolux LED driver complies with standard UL1310; output is considered safe to contact and no major safety protection is required at the LED/luminaire level. No risk of fire or electric shock. Driver operates using less than 60 volts in dry applications, 30 volts in wet applications, less than 5 amps, and less than 100 watts.

150W Promolux LED driver provides a higher power output for applications requiring more wattage than permitted under Class 2 limits. While it does not fall under UL1310 Class 2, it is still a low-voltage, constant voltage power supply designed for commercial refrigeration environments. The driver includes built-in overload and short-circuit protection, and when installed properly with appropriate wiring (per Class 1 standards), it delivers safe and reliable performance for high-output Promolux LED systems.

EMC

Emission: Complies with EN 55015 Class B, EN 61000-3-2 Class C, EN 61000-3-3, FCC Part 15 Class B

Immunity: Complies with EN 61547, FCC 47 CFR Part 15, CISPR 22

Safety

- Class 2 Power Supply (96W)
- Class 1 Power Supply (150W)
- SELV Output
- Over Current Protection, Short Circuit Protection, Over Voltage Protection, Over Temperature Protection
- UL Recognized Component
- Intertek ETL Certified

