

THE ESSENTIALLEDs DRIVER POWER PANEL - CONSTANT CURRENT

Input Characteristics

Input Voltage AC	120-277V (UL approved) 1-phase, 2wire
Input Current	120V/60Hz: 14.0A, 230V/50hz: 7.0A, 277V/60Hz: 6A
Input Frequency	50-60Hz
Efficiency @ Full Load	90%
Efficiency @ 1/2 Load	≥87%
Power Factor @ Full Load	>0.94
THD@ full load	<10%
Inrush Current	141A @ 120V/60Hz
Surge Protection	3kV (L to N), 4kV (L/n to GND)
Standby Power	<0.5W



Output Characteristics

LED Output Power	100W max each driver; (1400w total)
LED Output Current Range	200-1,400mA (settable per output)
LED Output Current Resolution	Programmable in 1mA steps
LED Output Current Tolerance	± 5%
LED Outputs	64 max. (UL Class 2)
LED Output Voltage Range	2-57V

Control Characteristics

Control Channels	14
Dimming Protocol	DALI / DMX / 0 - 10V
Dimming Range	100%-0.1% (up to 1050 mA) 100%-1% (over 1050 mA)
Dimming Method	Hybrid HydraDrive
Dimming Curve	Linear or Logarithmic
Driver Configuration	with TOOLbox pro and FluxTool

Standards and Certifications

EN	61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547, 62386-101/-102/-207
UL	 UL 2108 (Class 2 Output)
RoHS	 RoHS2

Wiring Specifications

Wire Type Input/Output	AWG 24 Min - AWG 8 Max, 0.2 - 10.0mm; Solid or Stranded Copper
Wire Type Control Signal	AWG 26 Min - AWG 12 Max, 0.14 - 2.5mm; Solid or Stranded Copper

Thermal Protection

External NTC Thermistor	Throttling @ 70°C / 158 °F (settable)
Externam Thermistor Value	47kΩ

Thermal Specification

Ta Operating Range	-40 °C...+50 °C / -40 °F...+122 °F
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Warranty

Warranty Period	3 years
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Dimenstions and Weight

Dimensions	48" x 36" x 4.56" / 1219mm x 914mm x 115mm
Cabinet Weight	73 lbs / 33.1 kg
Shipping Weight	215 lbs / 97.5 kg
Mounting	(4x) 1/4 -20 Lag Bolts, 0 clearance top to bottom, 2.5" [63.5mm] between panels

