

## THE ESSENTIALLEDs DRIVER POWER PANEL - CUSTOM - MIXED CV & CC

### Input Characteristics

Input Voltage AC	120-277V (UL approved) 1-phase, 2wire
Input Current	120V/60Hz: 14.8A, 230V/50hz: 7.4A, 227V/60Hz: 6.8A
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	35 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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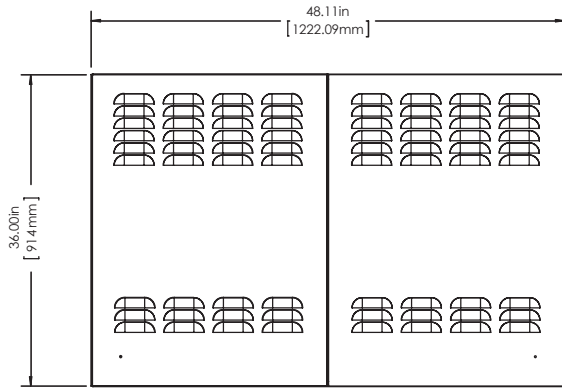
### Warranty

Warranty Period	3 years
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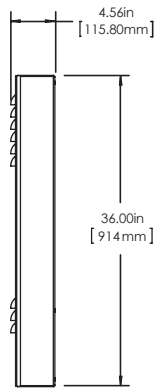
### Dimenstions and Weight

Dimensions	48" x 48" x 4.56" / 1219mm x 1219mm x 115mm
Cabinet Weight	109 lbs / 49.5 kg
Shipping Weight	251 lbs / 114 kg
Mounting	(4x) 1/4 -20 Lag Bolts, 0 clearance top to bottom, 2.5" [63.5mm] between panels

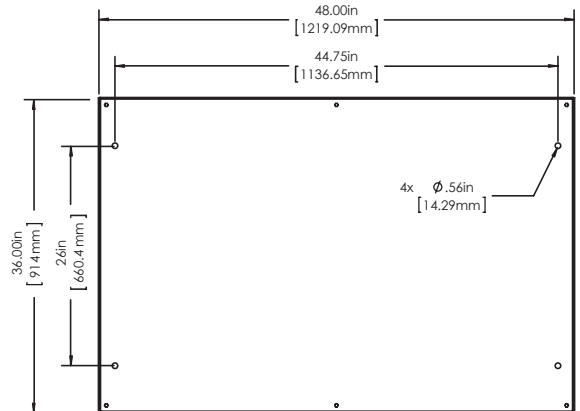
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Front View



Side View



Mounting Hole Pattern

LDPP -

<b>Type</b>		<b>No. of Inputs</b>		<b>CC Output Current</b>		<b>Control Signal</b>		<b>Ratings</b>	
CC/CV	Mixed Constant Current or Constant Voltage	1 Main	2 Main + 1 Alternate Power Source	350 350mA	500 500mA	DAL Dali	DMX DMX	UL UL Listed	CE CE Listed
<b>Input Volts</b>		<b>No. of Outputs</b>		700 700mA	1050 1050mA	<b>Dimming Curve</b>		<b>Options</b>	
UNV	120-277V/50-60Hz	28/7	28 Constant Current 7 Constant Voltage	C Custom		LN Linear	LG Logarithmic	MB Main Breaker <sup>1</sup>	DH Dali Hub <sup>1</sup>
				<b>CV Output Voltage</b>				DX DMX Splitter <sup>1</sup>	
				12 12V DC	24 24V DC				

<sup>1</sup> Consult factory for details