

ELED-100-D-SL Series

100W Slimline DALI & Push Dimmable LED Driver



CE SELV IP20

Features:

- Slimline Constant Voltage Driver, Flicker free
- AC input: 100-277VAC
- Built in active PFC Function, >0.98
- Efficiency up to 88%
- Dimming range: 0-100%
- Protections: short circuit/ over loading/ over temperature
- Dimming function: Built in DALI interface dimming function conform to DALI Protocol IEC62386

Models

ELED-100-12D-SL

ELED-100-24D-SL

Output Specifications

Output Voltage	12V	24V
Voltage Tolerance	<500mV	
Output Current	8.33A	4.16A
Rated Power	100W	

Input Specifications

Input Voltage	100-277VAC
Frequency Range	47-63Hz
Inrush Current	35.2A (twidth=164us) @230VAC
Full Load Efficiency (Typ.)	88%
AC Current (Max.)	1.2A@100VAC
Power Factor	PF >0.98/120VAC

Protection

Short Circuit	Shut down o/p voltage, re-power onto recover after fault condition is removed
Over Loading	<120%, Hiccup mode ,recovers automatically after fault condition is removed
Over Temperature	100°C ±10°C, re-power onto recover
Protection Class	II

Environment

Working Temperature	-40~+60°C (Refer to derating curve)
Working Humidity	20-95% RH, non condensing
Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)

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Environment

Vibration 10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes

Safety & EMC

Safety standards EN61347-1, EN61347-2-13 (EU)

Withstand Voltage I/P-O/P:3.75KVAC (EU) and I/P-O/P:1.88KVAC (US)

Isolation Resistance I/P-O/P:100M Ohms/500VDC/25°C/70%RH

EMC Emission EN55015, EN61000-3-2 ($\geq 60\%$ load) (EU) and FCC Part 15 (US)

EMC Immunity Compliance to EN61000-4-2,3,4,5,6,11, EN61547, light industry

Other Specifications

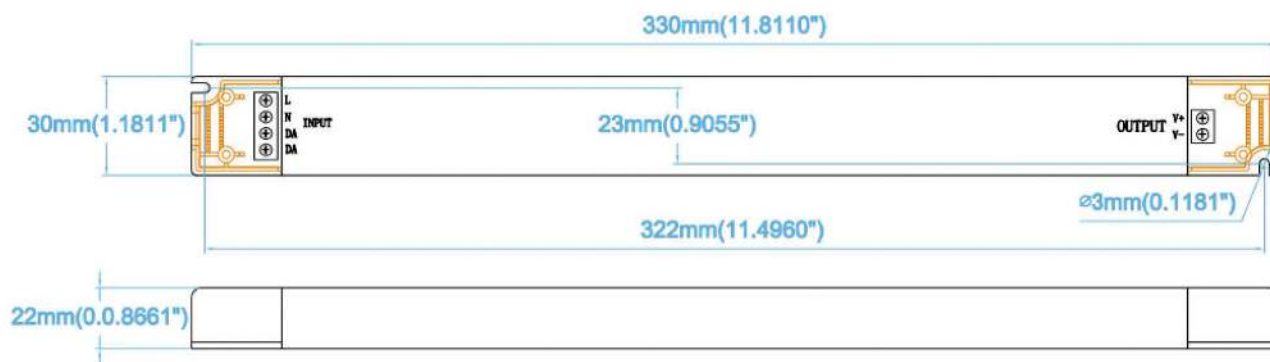
IP Rating IP20

Weight 0.29 Kg

Size 330 x 30 x 22 mm

Packing 350 x 330 x 145 mm (50PCS/CTN), G.W.: 15.5KG/CTN

Mechanical Specifications



Derating Curve

