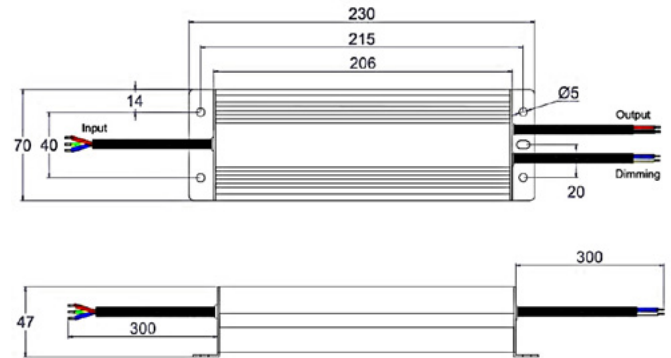


DARKLIGHT DESIGN

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ELED 100W 24V CONSTANT VOLTAGE

DALI DIMMABLE IP66 DRIVER



PRODUCT OVERVIEW

- Dimming function: Built in DALI interface
- Dimming range from 0.1% to 100%
- Output Constant Voltage
- Range 100-265VAC
- Built-In active PFC function
- Efficiency 87%
- Protections: short circuit/over load/ over current/ over temperature
- IP66 design for indoor or outdoor installation

All the information in this document is provided in good faith. Darklight Design will not be held responsible for any losses due to inaccuracies within this document.

OUTPUT SPECIFICATIONS

DC Voltage	24V
Voltage Tolerance	$\pm 0.5V$
Rated Current	4.16A
Rated Power	100W

INPUT SPECIFICATIONS

Voltage Range	100 – 265 VAC
Frequency Range	47 – 63HZ
Power Factor (Typical)	PF>0.98/220V
Full Load Efficiency (Typical)	85%
Leakage Current	< 0.7mA/220VAC

PROTECTION SPECIFICATIONS

Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
Over Load	$\leq 120\%$
Over Current	$\leq 1.4 \cdot I_{out}$

OTHER INFORMATION

Weight	1.3Kg
Size	L. 230mm x W. 70mm x H. 46mm
Packing	L. 324mm x W. 298mm x H. 176mm

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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 - +60°C
Operating Humidity	20 – 95% RH, non-condensing
Storage Temperature., Humidity	-40 - +80°C, 10 – 95%RH
Temperature Coefficient	±0.03%/°C (0-50°C)
Vibration	10-500Hz 2G 10min./ 1 cycle, period for 60min.each along X, Y, Z axes

CONFORMITY & STANDARDS

Safety Standards	EN61347-1 EN61347-2-13
Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation Resistance	I/P-O/P: 100MG / 500VDC /25°C / 70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2 (≥50%load)
EMC Immunity	EN61000-4-2,3,4,5,6,11 (Surge 4KV)

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