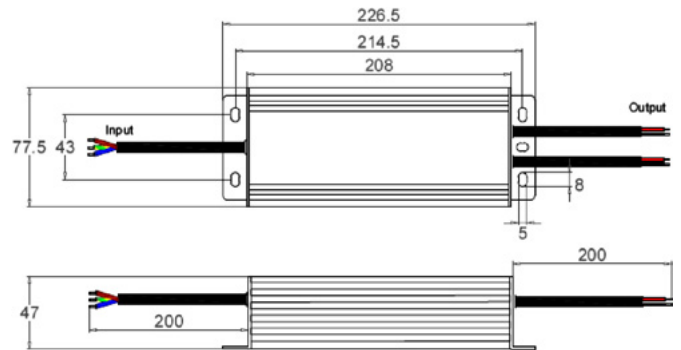


DARKLIGHT DESIGN

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ELED 200W 24V CONSTANT VOLTAGE

TRIAC DIMMABLE IP66 DRIVER



PRODUCT OVERVIEW

- Triac dimmable
- Constant voltage design
- Universal AC input/ Full range
- IP66 design for indoor or outdoor installations
- Protections: Short circuit/ Overload/ Over voltage/ Over temperature
- Built-in PFC function (PFC>0.98)
- Over 85% efficiency

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OUTPUT SPECIFICATIONS

DC Voltage	24V
Voltage Tolerance	$\pm 0.5V$
Rated Current	8.33A
Rated Power	200W

INPUT SPECIFICATIONS

Voltage Range	180 – 240 VAC
Frequency Range	47 – 63HZ
Power Factor (Typical)	PF $\geq 0.6/220V$
Full Load Efficiency (Typical)	86%
AC Current (Typical)	1.76A
Leakage Current	$< 0.7mA/220VAC$

PROTECTION SPECIFICATIONS

Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	$\leq 280VAC$
Over Current	$\leq 1.4 \cdot I_{out}$

OTHER INFORMATION

Dimensions	L. 226.5mm x W. 77.5mm x H. 47mm
Weight	1.8kg

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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	EN61347-2-13.IP66
Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation Resistance	I/P-O/P I/P-FG O/P-FG:100MΩ/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2 (≥60%load)
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6, 11, EN61547, A light industry level

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