

short form data

LED drivers 700mA

Constant-current 'EUP' series



Meets the requirements for safety: EN61347-1 and 2-13 (with sign to IEC60-598): particular safety requirements for electronic control gear for LED modules.

Description

EUP range of three constant-current power supply units for Super Orbis LED modules.

High-performance, robust and fully featured, outdoor use LED drivers designed for street lighting, illuminated signage and other lighting applications.

Unique Adjustable Output Current - AOC

This feature makes these very adaptable LED drivers the ideal choice for getting the most from our Super Orbis LED Gen LED modules where LED module brightness, the number of modules that can be powered by one driver and the service life time of the LEDs can all be adjusted to suit project requirements. Contact our sales dept. for advice.

- EN61347-2-13 (with a sign to IEC60-598...): particular safety requirements for electronic control gear for LED modules
- Supplied set to 700mA DC as standard
- Recommended max power utilization: 85% *
- Short-Circuit Protection
- Over-Voltage Protection
- Over-Temperature Protection
- Extended Lightning Protection
- Class I: Protective Earth wire connection
- Non-dimmable
- Weatherproof (IP67)
- 5 year warranty*

Applications

For use Super Orbis LED modules

Compliance

Meets the requirements for safety: EN61347-1 and 2-13 (with sign to IEC60-598): particular safety requirements for electronic control gear for LED modules.



240W



150W



96W



For powering Super Orbis LED modules in Wide format media sign lighting

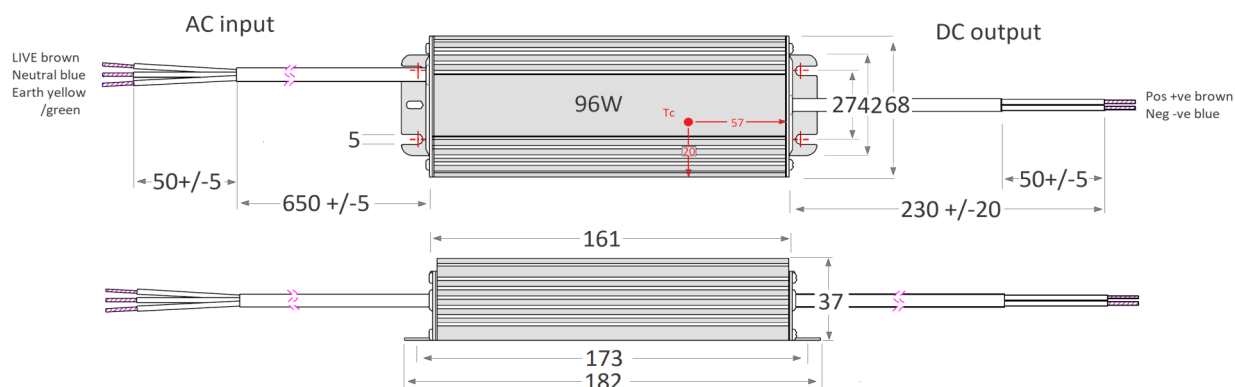
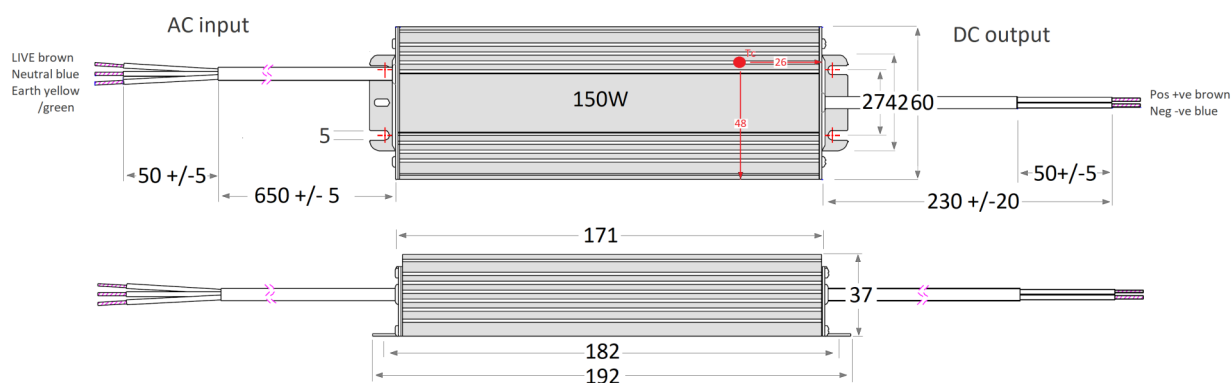
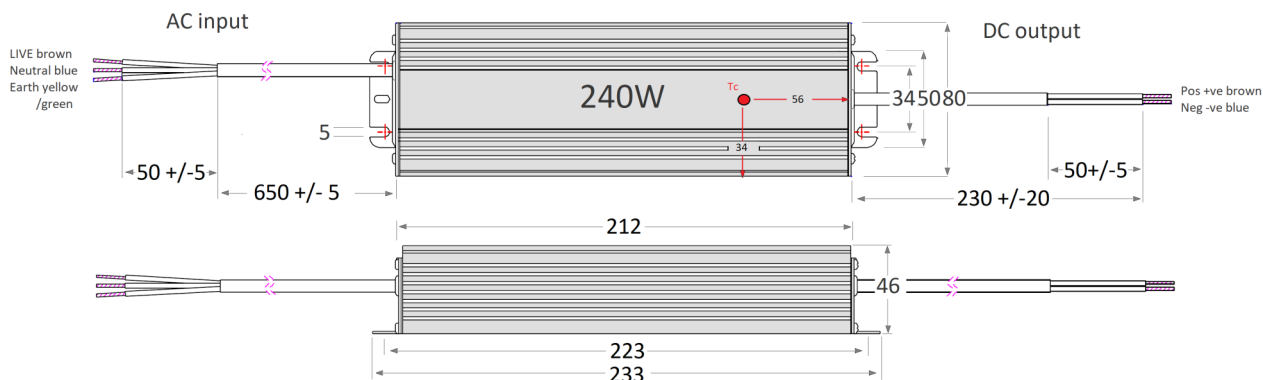
IP67



RoHS



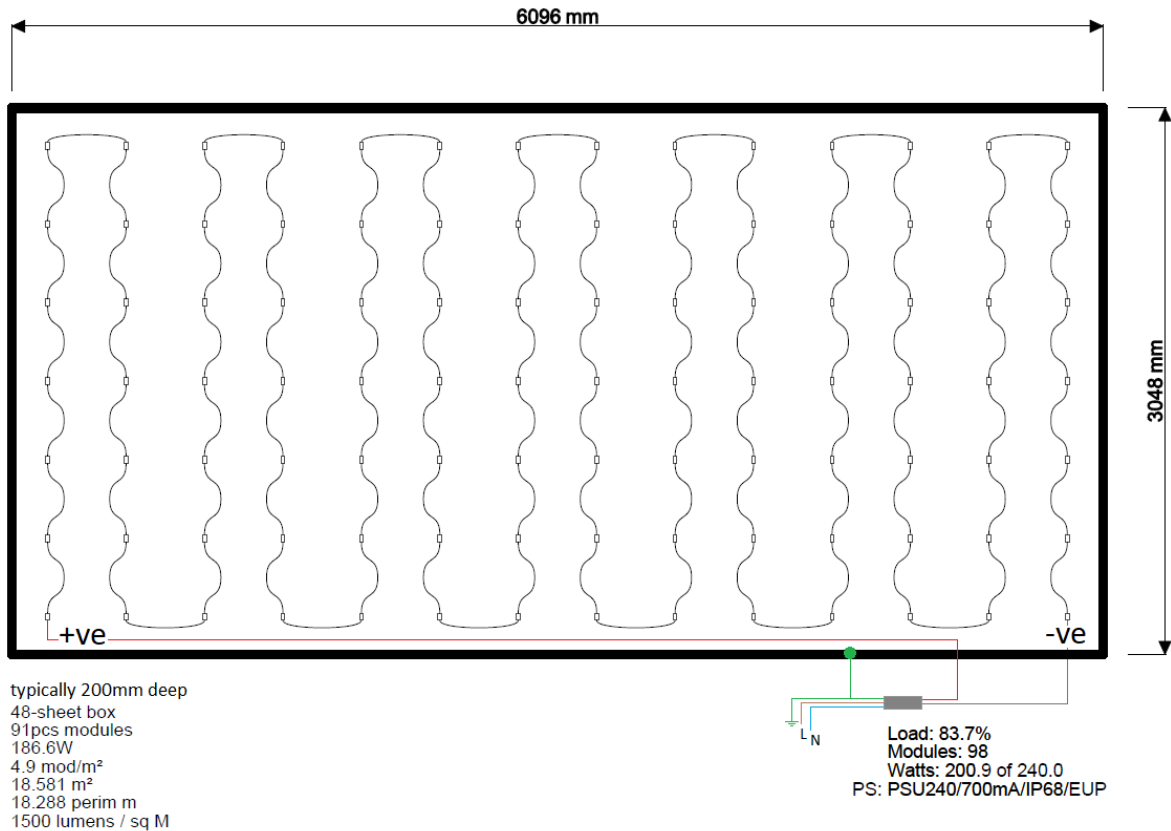
Dimensions



Caution!

1. For use with **Super Orbis LED Gen3** modules only and with modules connected in a single-series circuit and with a maximum current 0.7A (700mA).
2. Suitable for one series circuit chain of modules; no parallel chains allowed
3. Do observe in minimum and maximum quantity of modules per driver—see table, right
4. As with all constant-current operated LED module systems it is important to connect the module chain to the LED driver **BEFORE** energising the LED driver. **Disconnect from normal 'Mains' supply BEFORE** fault-finding or servicing. This is not a 12V or 24V system and a high **DC voltage up to 400V** maybe present even when the sign is unlit. Making module wiring connections with the LED driver 'live' maybe **hazardous** and will cause damage to LED modules which is not covered by our warranty.

Connection



Specifications

Electrical data typical @ ta 25°C +/-2°C and within the rated voltage range¹

Product / (Part No.)	Output Voltage (V)	Rated power (W) / current (A) output	Rec. max power (W)	Input current max (A) @ 230V	Typ. Eff. %	IP	Operates SOL3 modules min & max	Dims (mm) / Wt (kg)
PSU240/700mA/IP67/EUP Manu p/no: EUP-240S105SV	172-343	240 / 0.7	205	1.3	93	67	57min ~ 100max	L266 × W80 × H46 / 1.5
PSU150/700mA/IP67/EUP Manu p/no: EUP-150S070SV	117-214	150 / 0.7	130	0.9			39min ~ 62max	L192 × W60 × H37 / 0.75
PSU96/700mA/IP67/EUP Manu p/no: EUP-096S070SV	74-137	96 / 0.7	82	0.65			24min—40max	L182 xW60 x H37 / 0.75

Electrical connections: flying leads

Input voltage range: 90 to 305V a.c. 50-60Hz

Output Current Range +/- 5%

Class: I Protective Earth Wire Attached

Independent (mounting) driver

Index of Protection: IP67

Leakage current: <1mA at 277Vac 60Hz input

Case operating temperature -35 to +60°C with humidity: 10% RH to 100% RH. See Derating Curve for more details.

Over Temperature Protection: when the case temperature reaches 110+/-10°C, OTP mode will be triggered; The power supply shall not self-recover until the case temperature

becomes normal and the 'Mains' is supply reset

Power factor: ≥ 0.9 @ full power

Average no-load consumption: ≤0.2W

Surge current (inrush) peak: <60A

EMC (emission) to: IEC55015

EMC (immunity) to: IEC61547

Non-dimmable

For powering a series chain of LED modules only; no parallel connections allowed

DO NOT USE with products other than Super Orbis LED

Warranty: *5 yrs when operated within the parameters of these specifications



Our Design Guide is for reference only and the ideal appearance should be checked with a lit trial | Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE |
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