

short form data

## LED drivers 700mA

Constant-current 'EUC' 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

**EUC range of 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.



200W



60W

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



Wide format media sign lighting

### Applications

Use with: Super Orbis LED modules including Super Orbis LED Gen<sup>3</sup>

### 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.

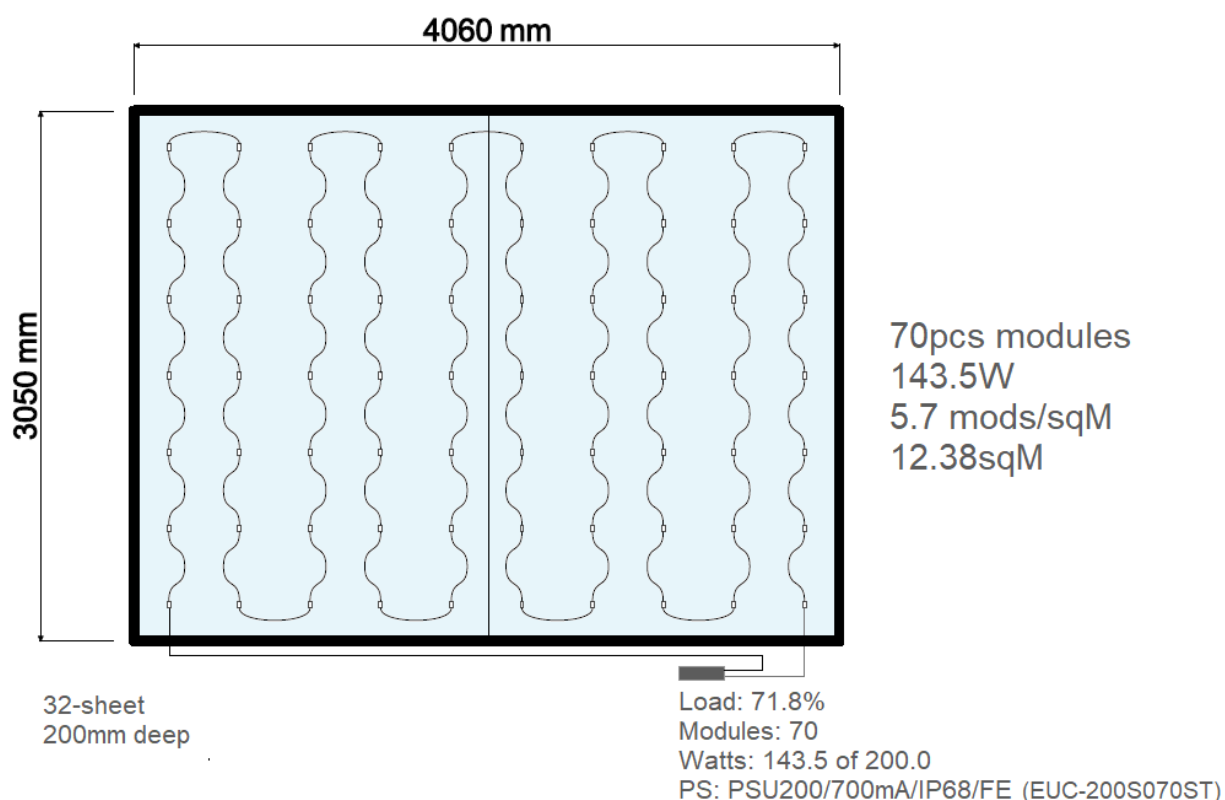
IP67



RoHS



## Connections

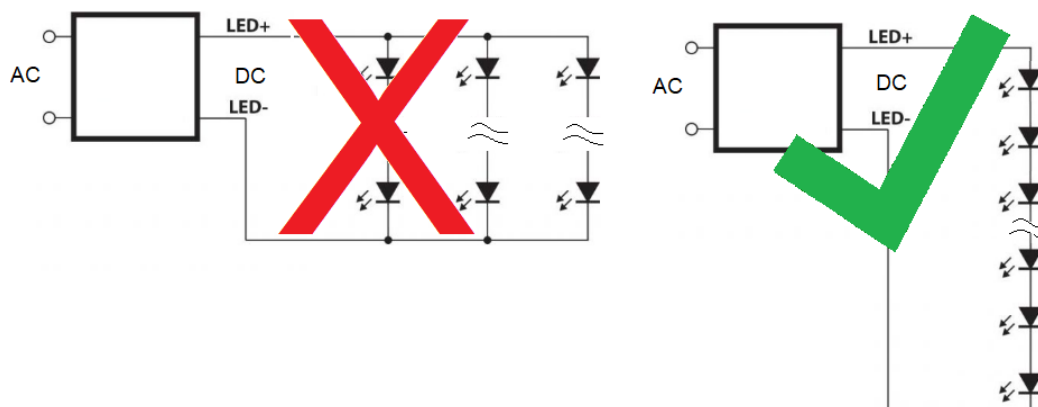


70pcs Modules: Oshino - Super Orbis LED Gen3 module 700mA max 5000K white OL-SOL-5000-1  
143.5 module Watts 159.4 circuit Watts 0.69A  
1pce Power Supply: Oshino - PSU200/700mA/IP67/FE

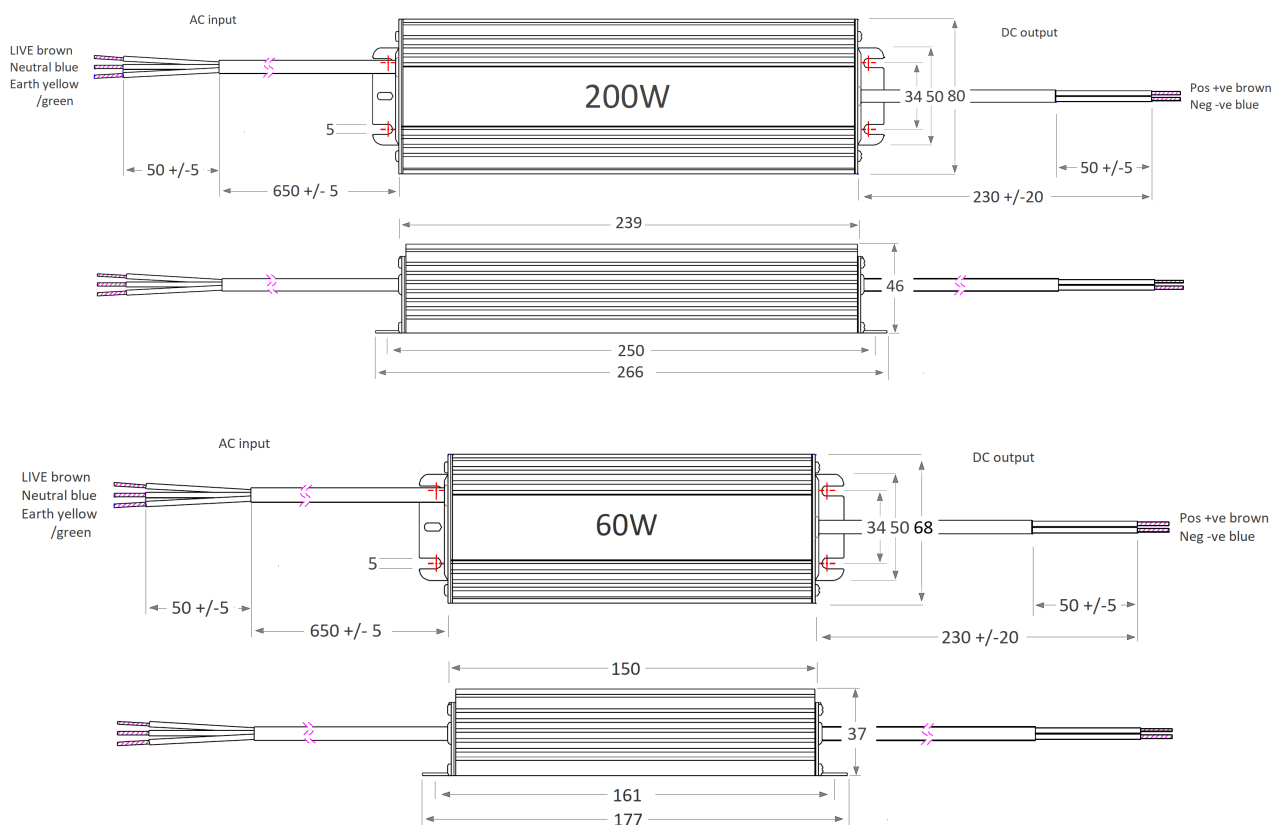
### Caution!



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.



## Dimensions



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)
PSU200/700mA/IP67/EUC Manu p/no: EUC-200S070ST	171~285	200 / 0.7	170	0.94	93	67	57min ~ 83max	L266 × W80 × H46 / 1.5
PSU60/700mA/IP67/EUC Manu p/no: EUC-060S070ST	43 ~86	60 / 0.7	51.25	0.29	88	67	15min ~ 25max	L177 × W68 × H37 / 0.75

Electrical connections: flying leads  
 Input voltage range: 90 to 305V a.c. 50-60Hz  
 Output Current Range +/- 5%  
 Class: I  
 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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