

## Solo 40

- Power factor corrected (0.95)
- Selectable currents between 350mA and 1000mA
- Self resetting thermal trip
- Up to 89% efficient
- 4 to 40W output in just 2 models
- Double insulated (Class II)



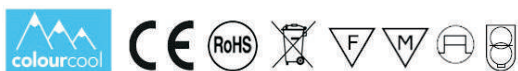
## Product Overview

The market leading iDrive® LED driver range now offers the iDrive® Solo 40 a high performance constant current solution for powering high-brightness LEDs from a mains supply. The power factor corrected, class II LED driver has a fully galvanic isolated, SELV output delivering up to 40W of power.

All iDrive® LED drivers have been designed in the UK using a high efficiency single stage topology, which ensures cool operation and long life. The compact, fire retardant enclosure complete with suitable cable clamp end caps allow the drivers to be used safely in both internal and remote type fixture applications.

The iDrive® Solo LED driver range consists of two models enabling fixture manufacturers to drastically reduce driver inventory covering all of their fixture range between 4W and 40W saving warehouse space, reduce stocking costs and improving availability on a project by project basis. The two Solo 40W models provide an industry leading wide-output voltage range through innovative LED output stability circuitry to enable LED fixtures with forward voltages between 11 and 54V and forward currents from 350mA to 1000mA.

The Solo 40W models offer industry leading safety protection including open and short circuit protection; over voltage protection and a convenient self-resetting over temperature trip.



## Electrical Specifications

### Input

Input Voltage Range: 220 – 240V ac rms  
Input Frequency: 47Hz to 63Hz  
Power Factor: >0.95 max @ Full load  
Efficiency: 89% max at full load  
Connection: Mains AC loop-in loop-out, 5-pin terminal block  
Insulation Class: II

Stand-by Power: 0.5W Typical  
Current Regulation: +/-5% current tolerance <10% across voltage range  
Mains surge protection: 4kV common-mode, 2kV differential  
Input-output isolation: 3.75kV ac rms  
Leakage Current: <0.25mA

### Mechanical

Mounting: Two 5mm fixing holes  
Construction: Polycarbonate UL94-V0 rated (Low Smoke and Halogen Free)  
Terminal blocks: Rising clamp 5mm pitch  
Wire size: 0.5 to 3mm<sup>2</sup> (12 to 26 AWG)  
Wire Strip Length: 4 to 5mm  
Screw Torque: 0.45Nm (4 lb-inch)  
IP rating: IP20

### Environmental

Operating Ambient Temperature: -20°C to +50°C  
Maximum Tc Temperature: 80°C  
Storage Ambient Temperature: -10°C to +70°C  
Humidity: 80% max non-condensing

### Protection

Thermal trip: 110 °C self-resetting  
Over Voltage Protection: < 46V for 40V model / < 60V for 54V model  
Short Circuit Protection  
Open Circuit Protection

**Dimensions:** 151 x 50.5 x 31 mm

**Weight:** 220 grams



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### Solo 40

### Standards

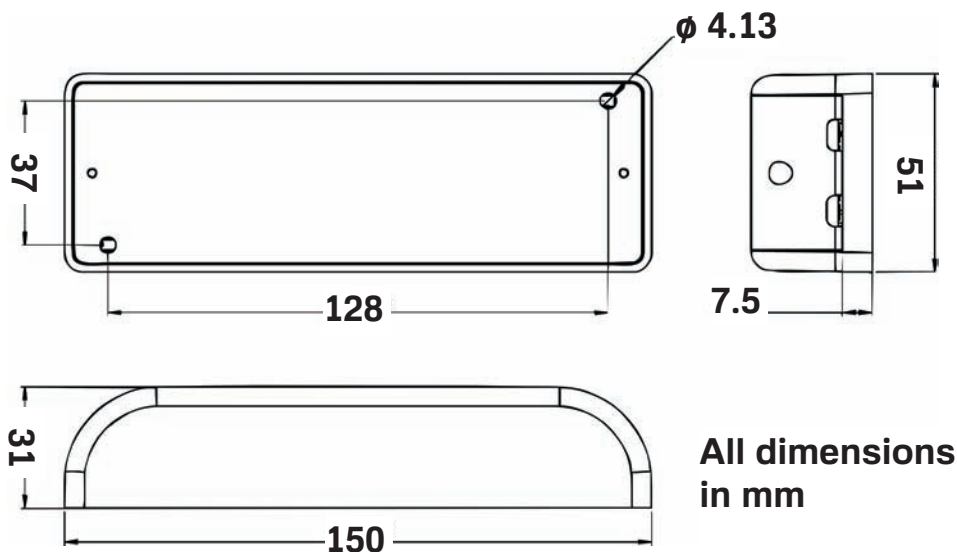
The iDrive® Solo 40 is accredited to the following international standards:

EN 61347-2-13, EN 55015:2006  
 EN 61000-3-2, EN 61547,  
 EN61000-3-3  
 EN 61047, EN 62384:2006  
 CE, EMC

### Typical Applications

- Office
- Commercial
- Retail
- Amenity
- Architectural
- Domestic
- Outdoor
- TV + Film
- Theatre
- Signage
- Education
- Replacement

### Product Dimensions



### Part Numbers

IST Part No.	Pi	Vo	Po	Current Options	Inrush Current
IDI2038540700	6-46W	11-54V	4-38W	0.35/0.5/0.7A	+/-3A
IDI2040401000	8-49W	11-40V	6-40W	0.5/1A	+/-3A

CONSTANT CURRENT 4 – 40W LED DRIVER RANGE

