



CENTRALISE • OPTIMISE • ECONOMISE

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)



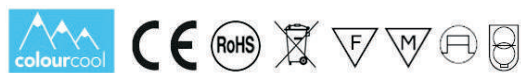
Product Overview

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 3mm² (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 +40°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

CONSTANT CURRENT 4 – 40W LED DRIVER RANGE



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Version: V1.1



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Standards

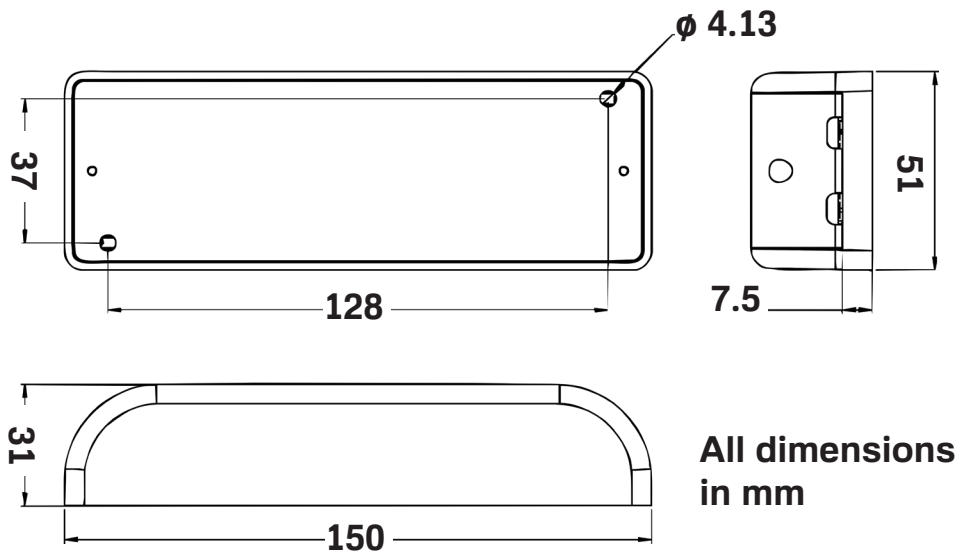
The iDrive® Solo 40 is accredited to the following international standards:

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



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