

iDrive[®]

Innovation LED

Solo 70W CC/CV

- Universal AC Voltage input 100V to 240V AC
- High efficiency (90% Typical) two stage design
- Built-in active PFC (up to 0.99 typical @ full load)
- Short circuit, Over voltage, Over power and temperature protection
- Compact U-frame open chassis for indoor use or IP65 enclosure
- Small and compact size
- Standard & 1-10V dimmable models



Specifications

The new iDrive[®] Solo[™] 70 provides a compact, high efficiency range of constant voltage and constant current LED drivers for indoor and outdoor applications suitable for LED lighting and signage. The 70W iDrive[®] Solo[™] is available in a compact U-Shaped open frame or black anodised aluminium IP65 rated chassis enabling the system to be used in a wide variety of applications.

Incorporating the latest active PFC design the Solo[™] 70 is able to combine high efficiency with high PFC over a wide range of AC voltage inputs from 100V to 240V AC. The iDrive[®] Solo[™] is approved to CE 61347-2-13 for use in Europe markets.

Safety & EMC

Safety	UL1310 Class 1 (Pending)
	cUL:CAN/CSA C22.2 NO.223-M91 (Pending)
	EN61347-1
	EN61347-2-13
EMC	EN62384
	FCC Part 15 Class B
	CISPR 15 Class B
	CE EN55015
	EN61547
	EN61000-3-2
	EN61000-3-3
IEC61000-4 Series	

Electrical Specifications

Input

Input voltage range: 100 - 240V AC

Input frequency: 47 - 63 Hz

Input current: 0.9A_{rms} max.

Efficiency: 90% typical at full load

Total harmonic distortion: 20% max.

Power factor: Up to 0.99 max.

Output

Line regulation: 1%

Load regulation: 5%

Constant current regulation: 5%

Ripple and noise V: 1% Constant voltage
5% (max.) Constant current

Hold up time: 10ms min. a full load 115V AC input

Output power: 70W max.

Protection

Over voltage protection: Auto recovery

Short circuit protection: Built-in

Over power protection: Built-in

Over temperature protection: 125°C, Latch

Control Input

Dimming control: Optional 1-10V

Dimming range: 0 - 100% (min. on = 3%)

Mechanical

Dimensions: See overleaf

Weight: See overleaf

Construction: U-frame and IP65 aluminium chassis

Environmental

Operating ambient temperature: -20°C to + 50°C

Storage ambient temperature: -20°C to + 85°C

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iDrive[®] products are covered by IST's worldwide patent portfolio. For more information please refer to www.istl.com/patents.

Version 1.7

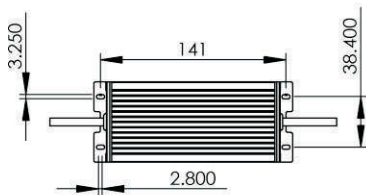
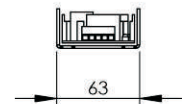
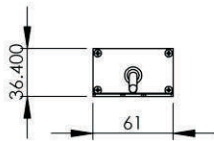
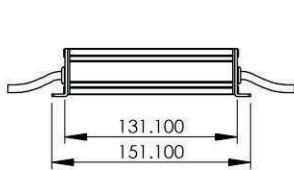
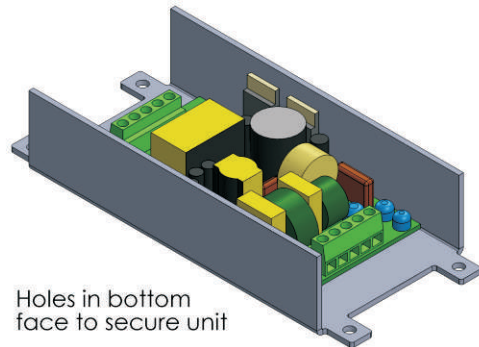
70W SINGLE OUTPUT CC & CV LED DRIVER

Specifications

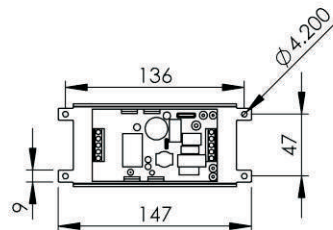
Model number	Type	Function	Input Voltage (V/AC)	Power (W)	Output Voltage (V/DC)	Output Current (mA)	Efficiency (%)
IDCV4070242900	Constant Voltage	Non-dimmable	100 - 240	70	24	2900	>90%
IDCV4070125600	Constant Voltage	Non-dimmable	100 - 240	70	12	5600	>90%
IDS4067381760	Constant Current	Non-dimmable	100 - 240	70	28 - 38	1760	>90%
IDS40701950350	Constant Current	Non-dimmable	100 - 240	68	160 - 195	350	>90%
ID14067381760	Constant Current	1-10V Dimmable	100 - 240	70	28 - 38	1760	>90%
IDS4070242920	Constant Current	Non-dimmable	100 - 240	70	15 - 24	2920	>90%
ID14070242920	Constant Current	1-10V Dimmable	100 - 240	70	15 - 24	2920	>90%
IDS4070302330	Constant Current	Non-dimmable	100 - 240	70	21 - 30	2330	>90%

Note: For open frame version add '-OF' suffix to model number. For example - IDCV4070242900-OF

Dimensions



Weight:
375g



Weight:
TBC

NOTE: Dimensions in mm