



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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POWER

LDS70 Series

LED Lighting Power Supply - Class 2

Data Sheet

Total Power: 70 Watts
of Outputs: Single

SPECIAL FEATURES

- Constant Current & Constant Voltage operation
- Dimming options
- Free-Air rated - No forced air necessary for cooling

COMPLIANCE

- Class 2 Outputs
- IP64 to IP67 Water Protection
- CISPR 15 / FCC Part 15 EMI Performance
- Class C Harmonics
- < 1.0 W No-load power
- > 0.9 Power Factor

SAFETY

- EN 61347-2-13
- UL 1310 / 8750
- CSA C22.2 No. 107.1
- CE Mark (LVD)

WARRANTY

Standard 5-Year Warranty



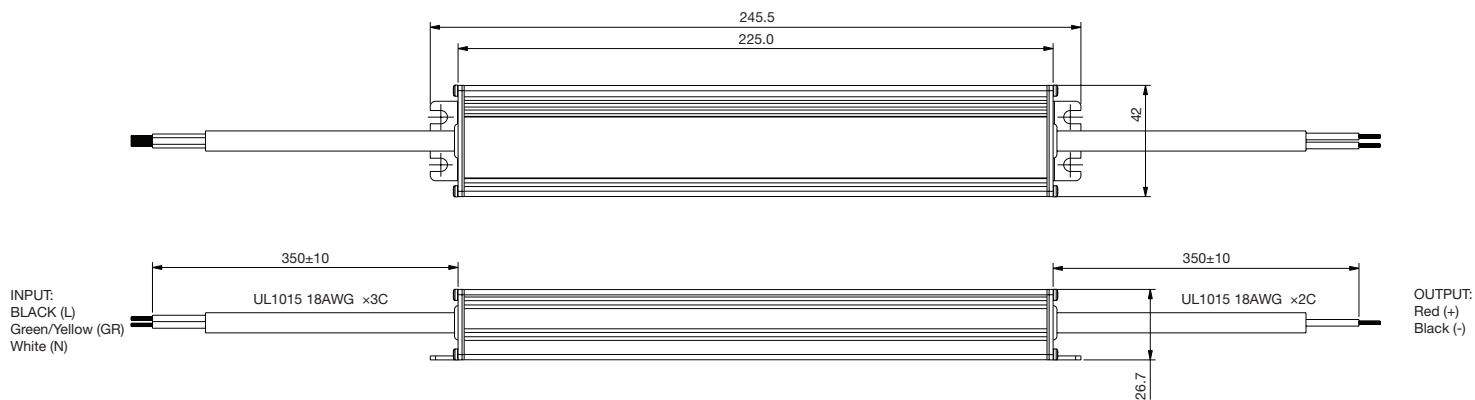
Electrical Specifications

Input	
Input range nom:	100 - 240 Vac (U models); 120-277 Vac (H models)
Input range (max):	90-264 Vac (U models); 90-305 Vac (H models); Derating may apply
Input frequency:	47 - 63 Hz
Inrush current:	< 50 A max., cold start @ 25 °C
Leakage current:	750 μ A, at 264 Vac 50/60 Hz
Input power (no-load):	< 1.0 W, at no load
Input power (max):	< 82 W, at full load
Input fusing:	Internally fused
EMI/RFI:	CISPR 15 FCC Part 15
Efficiency (typical):	88% - 230 Vac 87% - 115 Vac
Output	
Constant current:	Programmable current levels. Refer to model table for details
Constant voltage:	No load to Full load operation. Refer to model table for details
Output power:	70 W maximum (60 W for 12 V). Class 2 rated outputs
Ripple voltage:	< 2%
Control and Protection	
Current limit:	Programmable. Refer to model table for details
Protection:	Short Circuit Overvoltage Overtemperature

Environmental Specifications

Criteria	Specification	Reference
Power Factor	> 0.9	Energy Star
Harmonics	Class C	IEC 61000-3-2
THD - Input Current	< 20%	ANSI C82.11
Surge Immunity	Level 3 6 kV ring wave	IEC 61000-4-5 ANSI C62.41
EMC Compliance		IEC 61000-4-2, -3, -4, -5, -6, -8, -11
Temperature (case)	-40 °C to 90 °C	Operating
Ingress Protection	IP64 through IP67	Refer to model table for details

Mechanical Drawing



Mechanical Miscellaneous

Criteria	Specification	Reference
Input Wiring	300 mm	3-wire
Output Wiring	300 mm	4-wire
Weight	575 grams	

Ordering Information

Model Number	Rated Output Voltage	Rated Output Current	Current Adjust	Dimming Interface	IP Rating
LDS70-12-U00	12 Vdc	5.0 Adc		None	IP67
LDS70-12-H03	12 Vdc	5.0 Adc		1 - 10 V	IP67
LDS70-58-U00	58 Vdc	1.2 Adc		None	IP67
LDS70-58-U01	58 Vdc	1.2 Adc	DIP Switch	2-level	IP67
LDS70-58-H03	58 Vdc	1.2 Adc		1 - 10 V	IP67
LDS70-58-H04	58 Vdc	1.2 Adc		Programmable ¹	IP67

Notes:

1. The Dimming Interface on these highly-flexible models can be programmed via a Graphical User-Interface. The options include 0-10 V, 1-10 V and Bi-Level dimming. Maximum and minimum current levels and threshold levels are also programmable.

Current Adjust and Dimming Description

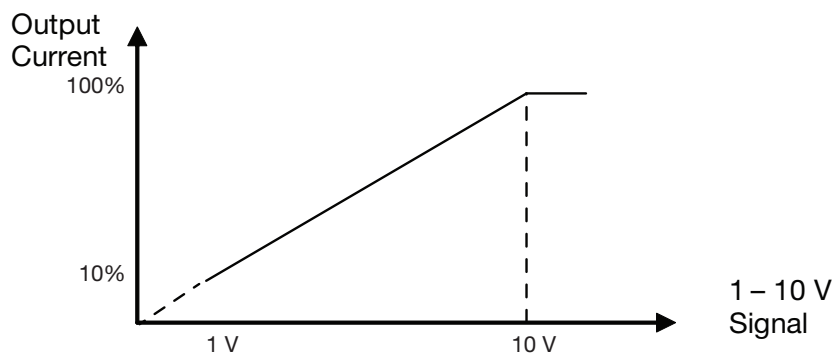
DIP Switch (for model -U01 only)

Switch 1	Switch 2	-12 Model	-58 Model
ON	ON	5.00 Adc	1.2 Adc
OFF	ON	3.75 Adc	0.9 Adc
ON	OFF	2.50 Adc	0.6 Adc
OFF	OFF	1.25 Adc	0.3 Adc

2 Level - External Switch between Purple & Grey Wires (for model -U01 only)

Switch	Open Current
CLOSED	At Programmed Level
OPEN	At 20% of Rated Level

0 - 10 V Between Purple & Grey Wires (for models -H03 only)



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