Rev.02.25.11\_114 LDS70 Series 1 of 3

## **LDS70 Series** LED Lighting Power Supply - Class 2

**Total Power:** # of Outputs: 70 Watts 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
- UL
- CSA
- 1310 / 8750 C22.2 No. 107.1

61347-2-13

• CE Mark (LVD)

# Electrical Specifications

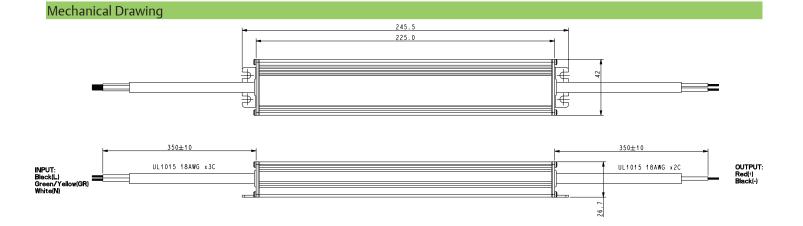
Input			
Input range:	100 - 240 Vac (U models); 120-277 Vac (H models)		
Input frequency:	47 - 63 Hz		
Inrush current:	< 50 A max., cold start @ 25 °C		
Leakage current:	750 μA, at 264 Vac 50/60 Hz		
Input power (no-load):	< 1.0 W, at no load		
Input power (max):	< 82 W, at full load		
Input fusing:	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**

Rev.02.25.11\_114 LDS70 Series 2 of 3

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 80 °C	Operating
Ingress Protection	IP64 through IP67	Refer to model table for details



Mechanical Miscellaneous			
Criteria	Specification	Reference	
Input Wiring	300 mm	3-wire	
Output Wiring	300 mm	4-wire	
Weight	370 grams		

Ordering Information						
Model Number	Rated Output Voltage	Rated Output Current	Current Adjust	Dimming Interface	IP Rating	Status
LDS70-12-U00	12 Vdc	5.0 Adc		None	IP67	Coming Soon
LDS70-12-H03	12 Vdc	5.0 Adc		0 - 10 V	IP67	Coming Soon
LDS70-58-U00	58 Vdc	1.2 Adc		None	IP67	Released
LDS70-58-U01	58 Vdc	1.2 Adc	DIP Switch	2-level	IP64	Coming Soon
LDS70-58-H03	58 Vdc	1.2 Adc		0 - 10 V	IP67	Coming Soon

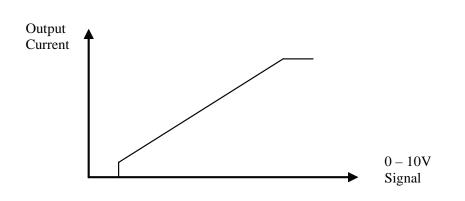
# Current Adjust and Dimming Description

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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Rev.02.25.11\_114

LDS70 Series 3 of 3

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