

## LDS150 Series LED Lighting Power Supply

**Total Power:** 150 Watts  
**# of Outputs:** Single



### Special Features

- Constant Current & Constant Voltage operation
- Dimming options
- Free-Air rated - No forced air necessary for cooling
- Life: 100 K Hours @ 65 °C  
50 K Hours @ 75 °C

### Compliance

- IP67 Water Protection
- CISPR 15 / FCC Part 15 EMI Performance
- Class C Harmonics
- > 0.9 Power Factor

### Safety

- EN 61347-2-13
- UL 8750, 1012
- CSA C22.2 No. 107.1 -01
- CE Mark (LVD)

### Warranty

Standard 3-Year Warranty  
(Consult Factory for Extended Terms)

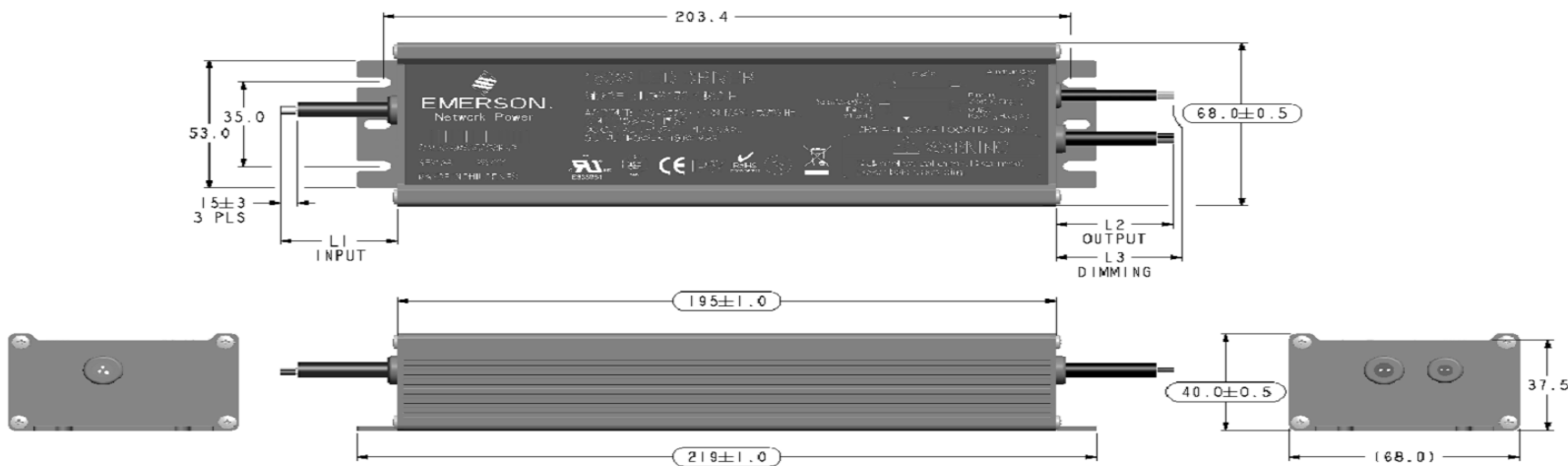
## Electrical Specifications

Input	
Input range nom:	100-277 Vac (H models)
Input range max:	90-305 Vac
Input frequency:	50/60 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, 277Vac (< 2.0W at 100Vac)
Input power (max):	< 170 W, at full load
Input fusing:	Internally fused
EMI/RFI:	CISPR 15 FCC Part 15
Efficiency (typical):	94% - 277 Vac 92% - 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:	150 W maximum.
Ripple voltage:	< 2%
Ripple current:	< 10% pk-pk at rated load
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 4 Combination Surge (4kV CM, 2kV DM) 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 , Startup at -40 C, Spec Compliance at -20 C
Ingress Protection	IP67	Refer to model table for details

## Mechanical Drawing



## Mechanical Miscellaneous

Criteria	Specification	Reference
Input Wiring	250 mm	3-wire, 18 ga. BLACK (L), WHITE(N), YELLOW/GREEN (GND)
Output Wiring	250 mm	2-wire, 18 ga. , RED (+), BLACK (-)
Dimming Wiring	250 mm	2-wire, 24 ga. , VIOLET (DIM+), GREY (DIM-)
Weight	1050 grams	

### Ordering Information

Model Number	Rated Output Voltage	Rated Output Current	Dimming Interface	IP Rating	Status
LDS150-1400-H03	107 Vdc	1400 mA	1 - 10 V	IP67	Sampling

### Americas

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Carlsbad, CA 92008  
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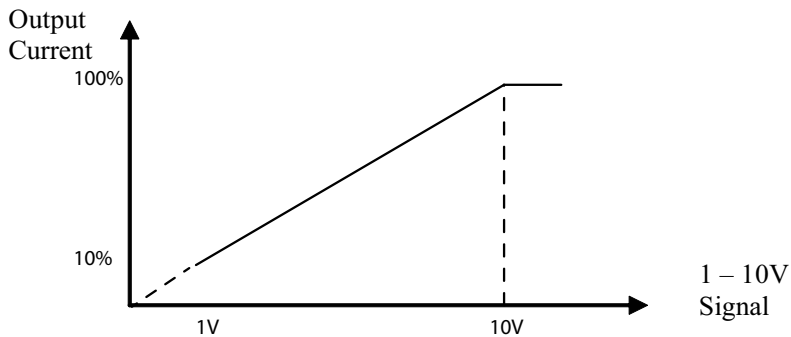
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## Current Adjust and Dimming Description

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



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