



# Thomas Research Products

SSL Solutions Faster Than The Speed Of Light™

## LED-17W Series

Switch Mode LED Drivers  
Constant Current & Constant Voltage with Isolation  
Black Magic Thermal Advantage™ Plastic Housing

Total Power: 17 Watts  
Input Voltage: 100-277 Vac  
Outputs: Single from 6-36 Vdc  
Indoor or Outdoor Applications, IP66  
High Power Factor  
UL1310, Class 2 and UL48 Compliant

### Electrical Specifications

Input Voltage Range:	100-277 Vac Nom. (90-305 V Min/Max)
Frequency:	50/60 Hz Nom. (47-63 Hz Min/Max)
Power Factor:	>0.90 @ full load, 100V through 277V
Inrush Current:	<2 Amps max @ 230 Vac, cold start 25°C
Input Current:	0.20 Amps max at 115 Vac
Efficiency:	82% typical at max load
Maximum Power:	17W
Current Accuracy:	± 1% (when applicable)
Load Regulation:	± 3%
THD:	≤ 20% @ 120 Vac, ≤ 35% @ 277 Vac
Leakage Current:	300 µA Typical
Hold Up Time:	Half Cycle
Protection:	Output Over-Voltage, Output Over-Current, and Output Short Circuit Protection with Auto Recovery

### Environmental Specifications

Operating Temperature:	-30°C to +60°C
Storage Temperature:	-40°C to +85°C
Maximum Case Temp.	80°C
Humidity:	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 55 Hz/2g, 30 minutes
MTBF:	543,000 Hours at full load and 40°C ambient conditions per MIL-217F Notice 2
EMC:	Compliant to CISPR 22 Class B, CISPR 14-1 Class B, GB4343 1-2003, GB17625.1-2003



### Constant Current - Product Specifications

Model Number	Output Current (mA ±3%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED17W-36-C0470	470	18-36	17	83%
LED17W-24-C0700	700	12-24	17	82%
LED17W-12-C1400	1400	6-12	17	82%

### Constant Voltage - Product Specifications

Model Number	Output Voltage (Vdc ±3%)	Output Current Range (mA)	Max. Output Power (W)	Typical Efficiency
LED17W-36	36	118-470	17	83%
LED17W-24	24	175-700	17	82%
LED17W-12	12	350-1400	17	82%

Class 2: US/Canada



Specifications subject to change without notice.

3-06-13



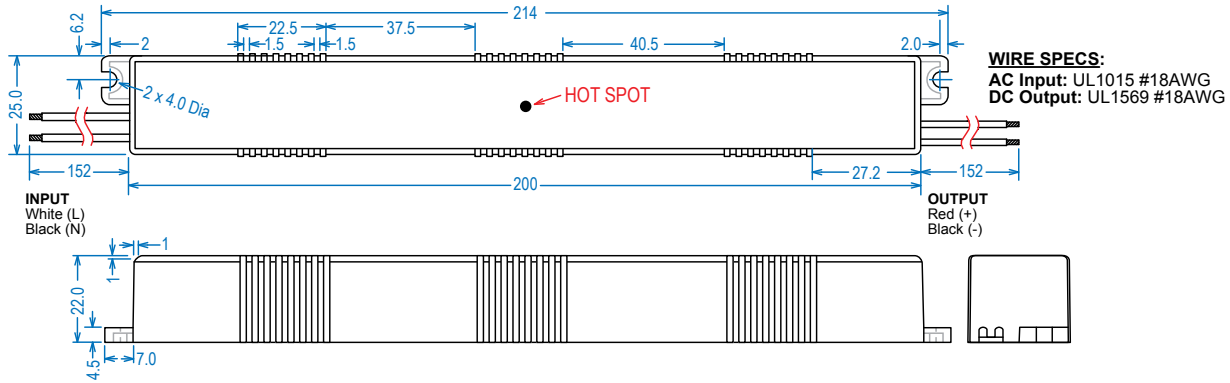
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LED17W

Pg 2 of 2

## Dimensions - mm



## Safety and Regulatory Certifications

UL8750, UL13110, UL47, CSA 22.2, CE, FCC, IP66