



LED-17W Series

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

Electrical Specifications

Input Voltage Range:	100-277 Vac Nom. (90-305 V Min/Max)
Input Over-Voltage:	Can endure 320Vac for 48 Hrs, 350Vac for 2 Hrs
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

Minimum Starting Temp:	-30°C
Storage Temperature:	-40°C to +85°C
Maximum Case Temp.	80°C
Humidity:	5% to 95%
Cooling:	Convection
Sound Rating:	Class A
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



- Total Power: 17 Watts
- Input Voltage: 100-277 Vac Nom.
- UL Dry & Damp Location Rated
- Suitable for use signs (UL48)
- High Power Factor

Constant Current - Product Specifications

Model Number	Output Current (mA ±3%)	Output Voltage Range (Vdc)	Max. Output Power (W)	Typical Efficiency
LED17W-036-C0470	470	18-36	17	83%
LED17W-024-C0700	700	12-24	17	82%
LED17W-012-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-012	12	350-1400	17	82%
LED17W-024	24	175-700	17	82%
LED17W-036	36	118-470	17	83%

Class 2: US/Canada



Safety and EMC Compliance

UL/CUL	UL8750, UL1310
CSA	22.2
C E	EN61347
FCC, 47CFR Part 15	Class B

Note:

LED drivers are designed and intended to operate LED loads only. Non-LED loading may be outside the specified design limits of our LED drivers, and therefore cannot be covered by any warranty. If you desire to use our LED drivers to operate non-LED loads please contact us to discuss compatibility.

Specifications subject to change without notice.

Rev 9-15-14

Dimensions - mm
