AC ELECTRONICS
LED
POWER DESIGNS™
DIVISION

PRELIMINARY SPEC

MULTI-CURRENT SWITCHING

Switch-Hitter™

Model Number
AC-40C500UV-DS
Type: Constant Current LED Driver
Input Voltage: 120-277V
Input Frequency: 50/60Hz

ELECTRICAL SPECIFICATIONS:

Output Power Max.	Input Power	Input Current	Minimum PF (full load)	Max. THD (full load)	Output Voltage	Output Current	T case Max.	Minimum Starting Temp.	Efficiency Up To
40W	50W @ 120V 49W @ 277V	0.42A @ 120V 0.18A @ 277V	>0.95	<20%	60-80V	500mA±5%	90° C	-40° C	81%
28W	50W @ 120V 49W @ 277V	0.42A @ 120V 0.18A @ 277V	>0.95	<20%	60-80V	350mA±5%	90° C	-40° C	80%

WIRING:

INPUT   OUTPUT

BLACK (LINE) — LED DRIVER — RED +

WHITE (NEUTRAL) — LED DRIVER — BLUE −
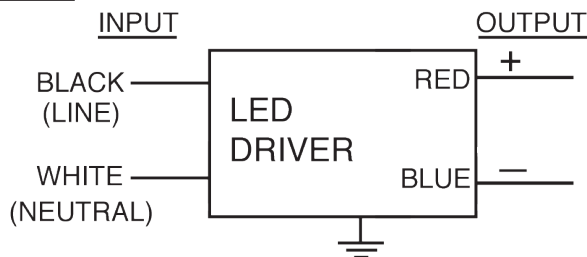
Lead Lengths

White	5.9"
Black	5.9"
Red	5.9"
Blue	5.9"

PHYSICAL:
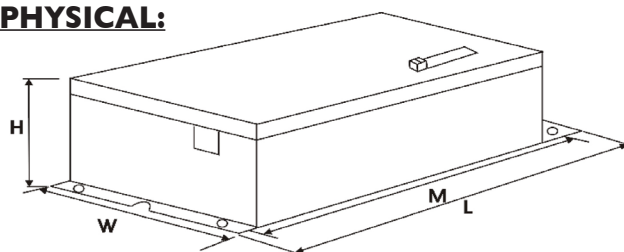
Dimensions

Length	9.5"
Width	1.7"
Height	1.14"
Weight	lbs.
Case Qty.	pcs.

SAFETY & PERFORMANCE:

- Class A sound rating
- No PCBs
- IP66

- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
- LED driver has a life expectancy of 100,000 hours at Tcase of ≤65°C

- Warranty: 5 yrs based on max case temp of <75°C; 3 yrs based on max case temp of 90°C*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (2 KV)

INSTALLATION:

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required to use in installation

- Max Remote installation distance is 18 ft
- LED driver cases should be grounded

RoHS COMPLIANT LEAD-FREE

*A.C.E. warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to <75°C; 3 years from date of manufacture when operated at a max case temp of up to 90°C when properly installed and under normal conditions of use. See www.aceleds.com for complete warranty policy.

Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

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