AC ELECTRONICS™
ACELEDS.COM

Constant Current LED Driver
Model Number
AC50CS1.4A4K

Input Voltage: 120-277V,
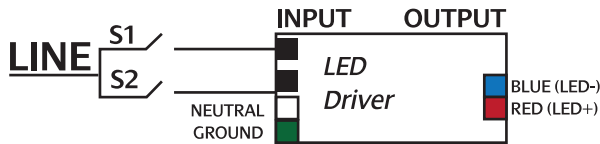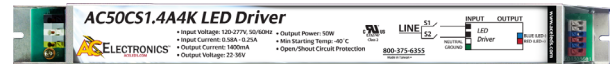Input Frequency: 50/60Hz
Side Mount

ELECTRICAL SPECIFICATIONS:

Output Power Max	Input Power	Input Current	Min PF (full load)	Max THD (full load)	Output Voltage	Output Current	T case Max	Min Starting Temp	Efficiency Up To	IP Rating
50W	58W	0.58A@120V 0.25A@277V	>0.9	<20	22-36V	1400mA +/- 5%	90°C	-40°C	85%	30

WIRING:

LINE S1
      S2

NEUTRAL
GROUND

INPUT   OUTPUT

LED Driver

BLUE (LED-)
RED (LED+)

Full Light (Full power) S1&S2 Closed (On)
Bi-Level mode   S1 or S2 Open (Off)

Cross-Section of supply conductors: 0.75 - 1.5mm2

PHYSICAL:

AC50CS1.4A4K LED Driver

Dimensions			
Length	12.4"	Height	1.08"
Width	1.3"	Mounting Length	11.8"

SAFETY:

• UL and cUL Recognized
• UL Outdoor Type 1
• Class A sound rating
• Overload Protection

• 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 (3 Kv)

INSTALLATION:

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

• LED drivers shall be installed inside electrical enclosures
• 18 AWG 600V/105C tinned stranded copper lead-wires are required for installation

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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.

RoHS COMPLIANT
LEAD-FREE

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Revised 12/12/2017