

PRELIMINARY SPEC



Constant Current LED Driver

**Model Number
AC-50CDI.4BPZS**

Input Voltage: 347V

Input Frequency: 50/60Hz

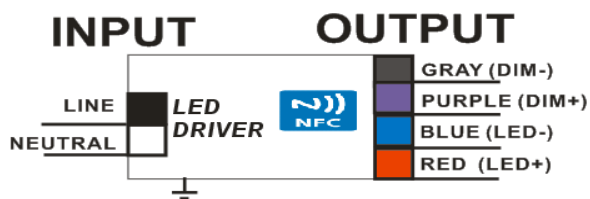
Side Mount/Leads

**PROGRAMMABLE,
DIGITAL, WIDE-RANGE
AJUSTABLE CURRENT & DIMMING**

Electrical Specifications

Output Power Max. (W)	Output Voltage (V)	Output Current (mA)	Min. Start Temp. (°F/°C)	Tcase Temp. Max. (°F/°C)	Input Current (A)	Input Power (W)	THD Max. (%)	IP Rating	Power Factor Min.	Typical Efficiency (%)
50	15-55	400-1400	32/0	194/90	0.17@347V	60	<20	64	>0.9	85

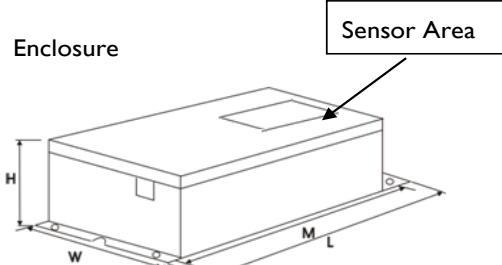
Wiring Diagram



	in.	cm.
Black	5.9	15
White	5.9	15
Blue	5.9	15
Red	5.9	15
Purple	7.1	18
Gray	7.1	18

The LED Driver Type TL Program is intended to assist you in gaining greater market access for your LED drivers. This service is also intended to assist end-product LED Luminaire manufacturers improve their speed-to-market by making it easy to source a compliant LED Driver.

Dimming Protocol 0 to 10V - Dimming Range 10 to 100%



Over All(L)	Width(W)	Height(H)	Mounting(M)
13.3cm	6.3cm	3cm	12.3cm
5.23"	2.48"	1.18"	4.84"

Tref max Value (°C)	Tc/Tref Value (°C)	Ta Value (°C)
90	69.2	40

SAFETY:

- 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 (2 KV)

INSTALLATION:

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required for installation
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded

*AC Electronics/AC LED Power Designs 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 aceleds.com for complete warranty policy.



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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.





IOUT/VOUT CURVE

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