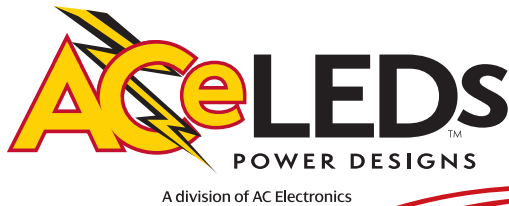


# PRELIMINARY SPEC



Constant Current LED Driver

**Model Number**  
**AC-80CD2.2BRMD**

Input Voltage: 347Vac  
Input Frequency: 60Hz  
Side Mount

**DIMMING**

## ELECTRICAL SPECIFICATIONS:

| Output Power | Input Power | Input Current | Min PF (full load) | Max THD (full load) | Output Voltage | Output Current    | T case Max | Minimum Starting Temp | Efficiency Up To | Dimming Protocol | Dimming Range |
|--------------|-------------|---------------|--------------------|---------------------|----------------|-------------------|------------|-----------------------|------------------|------------------|---------------|
| 80W          | 93W @ 347V  | 0.29A @ 347V  | >0.9               | <20%                | 28 to 36V      | 1500 to 2200mA±5% | 90° C      | -40° C                | 88%              | 0 to 10V         | 10 to 100%    |

## WIRING:

### INPUT

(BLACK) LINE  
(WHITE) NEUTRAL  
(GREEN) Ground

### OUTPUT

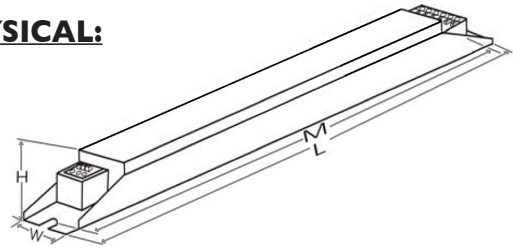
DIM- (GRAY)  
DIM+ (PURPLE)  
RSET (GRAY)  
RSET (GRAY)  
LED- (BLUE)  
LED+ (RED)

**LED DRIVER**

## RSET TABLE

| RSET ( $\Omega$ ) | Iout (mA) | RSET ( $\Omega$ ) | Iout (mA) |
|-------------------|-----------|-------------------|-----------|
| >30K              | 2200      | 3.9K              | 1210      |
| 30K               | 2200      |                   |           |
| 15K               | 2000      |                   |           |
| 6.8K              | 1570      |                   |           |
| 5.1K              | 1380      |                   |           |

## PHYSICAL:



### Dimensions

|                 |         |
|-----------------|---------|
| Length          | 15.55"  |
| Width           | 1.49"   |
| Height          | 1.06"   |
| Mounting Length | 15.23"  |
| Hole Diameter   | xx"     |
| Weight          | xx lbs. |
| Case Qty.       | xx pcs. |

## SAFETY:

- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at Tcase of  $\leq 75^{\circ}\text{C}$
- LED driver has a life expectancy of 100,000 hours at Tcase of  $\leq 65^{\circ}\text{C}$
- Warranty: 5 yrs based on max case temp of  $<75^{\circ}\text{C}$ ; 3 yrs based on max case temp of  $90^{\circ}\text{C}^*$
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (2 KV)

## INSTALLATION:

- IP 66 Harsh Waterproof
- 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

\*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  $<75^{\circ}\text{C}$ ; 3 years from date of manufacture when operated at a max case temp of up to  $90^{\circ}\text{C}$  when properly installed and under normal conditions of use. See [aceleds.com](http://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.

