

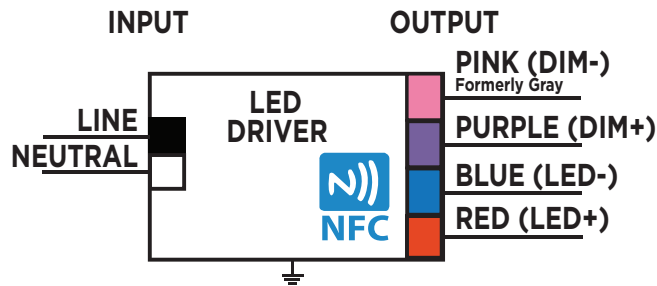
## AC40CD1.05BPB0M Programmable, Digital, Wide-Range Adjustable Current & Dimming LED Driver

### Primary Specifications:

Output Power	Input Power	Input Current	Min PF (full load)	Max THD (full load)	Output Voltage	Output Current	T case Max	Min Starting Temp**	IP Rating	Efficiency Up To	Dimming Protocol	Dimming Range
40 W	47 W	0.143 @ 347 V	>0.90	>20	23-38 V	250 mA-1050 mA $\pm 15\%$	90°C	0°C	64	85	0 to 10 V	0 to 100%

\*\* This driver can operate down to -40°C in a non-dimming condition. Below 0°C some flicker may be observed.

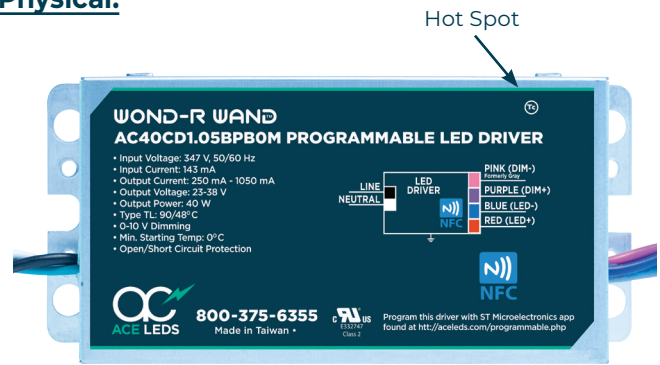
### Wiring:



### Lead Lengths

Black	5.9"	Blue	5.9"	Purple	7.1"
White	5.9"	Red	5.9"	Pink	7.1"

### Physical:



Dimensions	Length	Width	Height
AC40CD1.05BPB0M	4.56"	2.48"	1.8"

Tref Max Value (°C)	Tc/Tref Value (°C)	Ta/Value (°C)
90	48.5	40

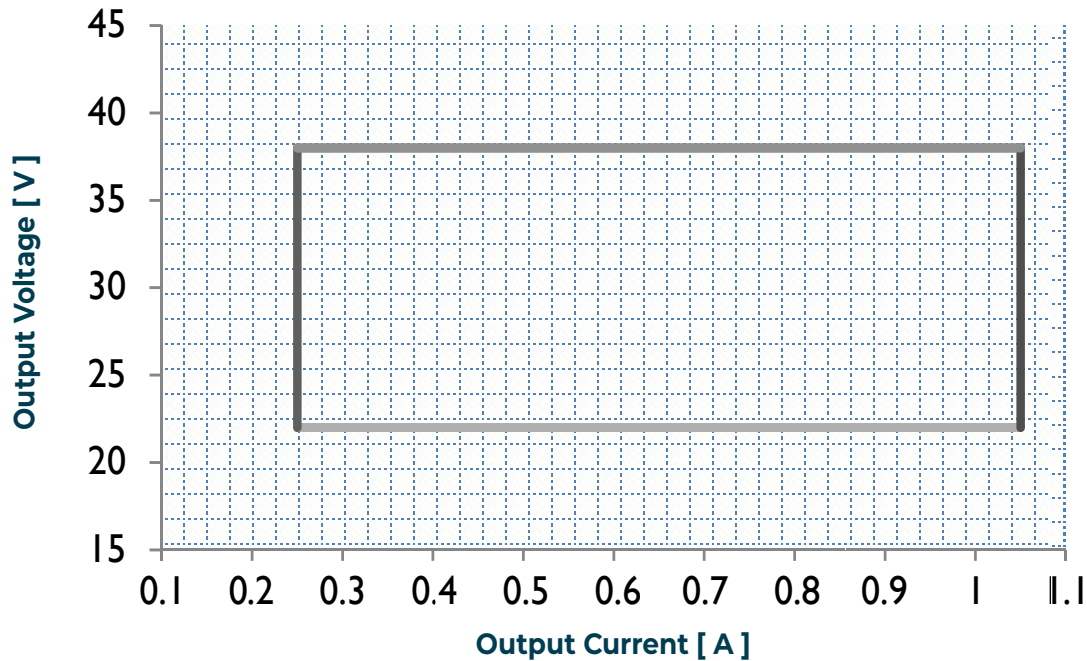
### Safety:

- UL and cUL Recognized
- Class 2
- 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  $\leq 75^{\circ}\text{C}$
- 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 (3 Kv)
- **Dim-To-Off Programming Option**
  - Active: Code = A2 03 01 0E
  - Inactive: Code = A2 03 00 0E

### Installation:

- IP 64
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105°C tinned stranded copper lead-wires are required for installation

### IOUT/VOUT Curve



**Control the IOUT with the programming wand. Download software from <http://aceleds.com/programmavle.php>**

**\*AC Electronics/AC LED Power Designs warrants to the purchaser that each Emergency 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 <60°C when properly installed and under normal conditions of use. See [aceleds.com](http://aceleds.com) for complete warranty policy.**

**3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • [www.aceleds.com](http://www.aceleds.com)**

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.