



# Minuteman 5™ LED Retrofit Kit For Canopy Light

*"Fits Any Canopy Housing  
11.7"W x 11.0"H x 2.9"D or Larger"*

LED Replacement Components for 150 Watt & 175 Watt HID Fixtures

Made In USA



## LED Retrofit Kit Model Number CBNZ35/1.0/50

Fits Lighting Housings:  
11.7" H x 11.0"W x 2.9"D or Larger

### Includes:

- Single-Output Channel, Class 2 LED Driver, Model Number: AC-35C1.0AUA
- Instructions for Installation
- All Required Assembly Hardware
- 1 PCB LED Array with 10 Samsung LH351B LEDs mounted to industrial grade aluminum LED/Driver bracket (10 LEDs per array)

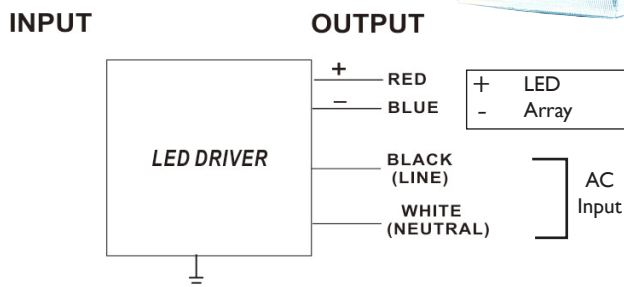
### Specifications

| Item                                 | Specification                    |
|--------------------------------------|----------------------------------|
| Input Voltage                        | 120-277V, 50/60 Hz               |
| Fixture CRI                          | 73                               |
| LED Color Temperature                | 5000                             |
| Fixture Lumens                       | 3000                             |
| Fixture Efficacy                     | 80 lumen/Watt                    |
| Lumen Maintenance                    | ≥79% @ 5 years                   |
| Zonal Lumen Requirements             | Not Measured                     |
| Warranty                             | 5 years*                         |
| LED Quantity (Brand: Samsung LH351B) | 10                               |
| LED TMP Temperature @ 25°C           | 81.5°C                           |
| Input Power                          | 37W                              |
| Driver Efficiency                    | 84%                              |
| Power Factor @ 277V                  | >0.9                             |
| THD @ 277V                           | <20%                             |
| Driver TMP @ 25°C ambient            | 57°C                             |
| Noise                                | <24dB                            |
| EMI                                  | FCC part 15                      |
| Max Operating Temperature            | 45°C Ambient                     |
| Min Operation Temperature            | -40°C Ambient                    |
| LED Retrofit Kit Dimensions / Weight | 11.7"W X 11.0"H X 2.9"D / 3 lbs. |



*Note: LM79 and ies files are available upon request.*

### Wiring Diagram



### Warranty

LED Retrofit Kit warranty is only valid when it is used in 11.7"W x 11.0"H x 2.9"D or Larger lighting housing it was designed to be used in unless otherwise approved in writing by AC Electronics. Any other use in any other lighting housing or use with non-AC specified or supplied components will void this warranty.

\*AC warrants to the purchaser that this LED Retrofit Kit will be free from defects in material or workmanship for a period of 5 years from date of manufacture, when operated at a maximum ambient temperature of 110°F or 45°C, when properly installed and under normal conditions of use.

The warranty excludes damage resulting from improper installation or damage caused by fire or severe weather conditions including, but not limited to, lightning and storms. Evidence of direct exposure to water on the failed units voids the warranty.

See [www.aceleds.com](http://www.aceleds.com) for complete warranty policy



| AC Electronics LED Retrofit Kit vs. Standard HID Lights |               |                  |                               |  |                         |
|---|---------------|------------------|-------------------------------|--|-------------------------|
| Wall Pack Light Source                                  | Input Wattage | Lifespan Hrs/Yrs | Energy Use (24hrs/day) Annual | Annual Cost (maintenance + electricity) @ \$0.11/kWh | Electrical Cost Savings |
| HID   | 165           | 24,000/ 2.7      | 1446 kWh                      | \$159.00   |                         |
| LED   | 37            | 50,000/ 5.7      | 324 kWh                       | \$35.65  | 78%                     |

*Also*

### Tork® 2107 Photocell — Approved For Use With AC LED Retrofit Kits

- 120/277V 1800 VA Ballast Load
- 1 To 5 FC Turn On Light Level
- 3 To 15 FC Turn Off Light Level
- SPST Switch
- 16 AWG 6 Inch Wire Lead Terminal
- Temperature Rating -40 to 140°F
- 1/2" Conduit Mounting
- Not included, available from secondary sources

