



# Minuteman 5™ LED Retrofit Kit For Bulkhead Fixture

*"Fits Any Bulkhead Housing  
10.5"H x 10.5"W x 2.75"D or Larger"*

LED Replacement Components for 150 Watt & 175 Watt HID Fixtures

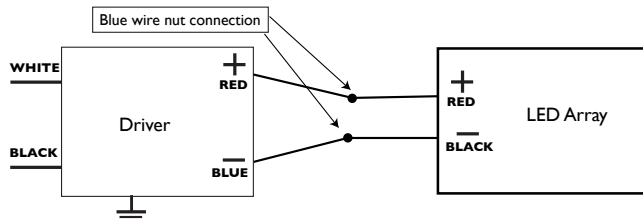


## LED Retrofit Kit Model Number CBLK35/1.0/50 Fits Lighting Housing: 10.5"H x 10.5"W x 2.75"D or Larger

### Kit Includes:

- One-Output Channel, Class 2 LED Driver, Model Number: AC-35C1.0AUA
- 1 PCB LED Arrays with 10 Samsung LEDs mounted to industrial grade aluminum LED Driver bracket
- Instructions for Installation
- All required assembly hardware

### Wiring Diagram



### Warranty

LED Retrofit Kit warranty is only valid when it is used in 10.5"H x 10.5"W x 2.75"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.

### Specifications

| Item                                 | Specification            |
|--------------------------------------|--------------------------|
| Input Voltage                        | 120-277V, 50/60Hz        |
| LED CRI                              | 72.7                     |
| Fixture CRI                          | 72.5                     |
| LED Color Temperature                | 5000K                    |
| Kit Lumens (Outside Fixture)         | 3004 Lumen               |
| Fixture Lumens                       | 2534 Lumen               |
| Lumen Maintenance                    | ≥79% @5 years            |
| Fixture Efficacy                     | 68 Lumen/Watt            |
| Zonal Lumen Requirement              | 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                   | 0.95                     |
| THD @277V                            | 20%                      |
| Driver TMP temp @25°C Ambient        | 57°C                     |
| Noise                                | <24dB                    |
| EMI                                  | FCC part 15              |
| Max Operating Temperature            | 45°C Ambient             |
| Min Operation Temperature            | -40°C                    |
| Dimensions                           | 10.5"L x 10.5"W x 2.75"D |



### Bodine ELI-100-SD Battery Backup Device

Approved For Use With AC LED Retrofit Kits



This device will operate 1 or 2 kits for a minimum of 90 minutes in the absence of main power.

- 120/277V, 60Hz, 100W Max Load
- 120W Input Power Rating

- Test Switch
- Charging Indicator Light
- Temperature Rating (Ambient) 68° F to 86° F (20° C to 30° C)
- Not included, available from Phillips

### 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

### 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                    | 38            | 50,000/ 5.7      | 333 kWh                       | \$36.63  | 77%                     |