# Minuteman 5™
## *LED Retrofit Kit + Housing For Fuel Pump Canopy*
**Contains LED Retrofit Kit and LED Lighting Housing**

**DESIGNLIGHTS CONSORTIUM**

**Made In USA**

## AC Electronics LED Retrofit Kit + Housing 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 | 25 | 50,000/ 5.7 | 219 kWh | $24.09 | 85% |

AC LED Retrofit Kit: CBNZ36/350/50X2

**+**

LED Lighting Housing SM012

**=**

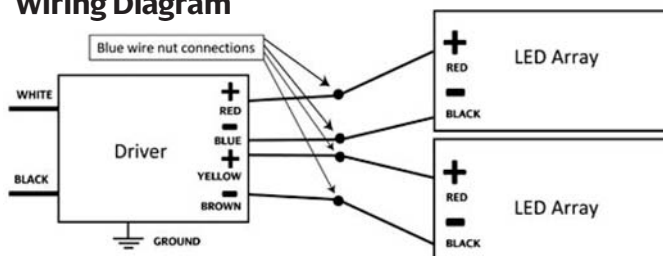Minuteman 5™ LED Retrofit Kit + Housing AC012/36/350EX2

# Kit Model Number AC012/36/350EX2
## — Includes Grandlite® Housing SM012 —

### Includes:
- **Two-Output Channel, Class 2 LED Driver, Model Number: AC-D12C350UVH**
- **2 PCB LED Arrays with 20 Cree XP-G2 LEDs mounted to industrial grade aluminum LED Driver bracket**
  (10 LEDs per array)
- **Instructions for Installation**
- **All Required Assembly and Mounting Hardware**
- **Grandlite® SM012 Lighting Housing**

### Wiring Diagram



Blue wire nut connections
WHITE / BLACK — Driver — RED, BLUE, YELLOW, BROWN — GROUND — LED Array (RED, BLACK) x2

### Warranty

LED Retrofit Kit + Housing warranty is only valid when it is used in the Grandlite® fixture it was designed to be used in unless otherwise approved in writing by AC Electronics. Any other use in any other fixture assembly or use with non-AC specified or supplied components will void this warranty.

*AC warrants to the purchaser that this LED Retrofit Kit + Housing 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. See www.aceleds.com for complete warranty policy.

*Grandlite® is a registered trademark of Grandlite® International Corporation. AC Electronics is not associated with Grandlite® international.*

## Specifications

| Item | Specification |
|---|---|
| Input Voltage | 120-277V, 50/60 Hz |
| Fixture CRI | 75 |
| Fixture Color Temperature | 4660 |
| Fixture Lumens | 2329 |
| Fixture Efficacy | 92.9 lumen per watt |
| Lumen Maintenance | ≥70% @ 5 years |
| Zonal Lumen Requirements | 0-40°; ≥40% 40-70°; ≥40% |
| Warranty | 5 years* |
| LED Quantity (Brand: Cree XP-G2) | 20 |
| LED TMP Temperature @ 25°C | 52.9°C |
| Input Power | 28W |
| Driver Efficiency | 75% |
| Power Factor @ 277V | 0.967 |
| THD @ 277V | 2.2% |
| Driver TMP @ 25°C ambient | 51.8°C |
| Noise | <24dB |
| EMI | FCC part 15 |
| Max Operating Temperature | 45°C Ambient |
| Min Operation Temperature | -40°C Ambient |
| LED Retrofit Kit Dimensions / Weight | 3.25"H X 12"W X 11"D / 3 lbs. |
| Assembled Fixture Dimensions / Weight | 8.9"H X 12.4"W X 12.4"D / 8 lbs. |

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

**RoHS COMPLIANT** LEAD-FREE ✓

### 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

**CREE** **Inside**

**AceLEDs POWER DESIGNS**
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