



Minuteman 5™

LED Retrofit Kit + Housing For Shoebox Area Light

Contains LED Retrofit Kit and LED Lighting Housing



Made In USA

DESIGNLIGHTS
CONSORTIUM

AC Electronics LED Retrofit Kit + Housing vs. Standard HID Lights

Light Source	Input Wattage	Lifespan Hrs/Yrs	Energy Use (24hrs/day) Annual	Annual Cost (maintenance + electricity) @ \$0.11/kWh	Electrical Cost Savings
HID	250	24,000/ 2.7	2190 kWh	\$240.90	
LED	91	50,000/ 5.7	797 kWh	\$87.69	64%

Model Number AC816/100/700

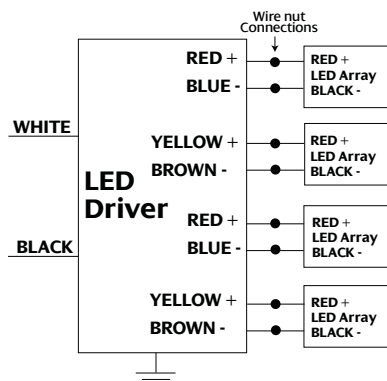
— Includes Housing —

Includes:

- Four-Output Channel, Class 2 LED Driver, Model Number: AC-Q25C700UVH
- 4 PCB LED Arrays with 40 Cree XP-G2 LEDs mounted to industrial grade aluminum LED/Driver bracket

(10 LEDs per array)

Wiring Diagram



Warranty

LED Retrofit Kit + Housing warranty is only valid when it is used in a fixture it was designed for unless otherwise approved in writing by AC Electronics. Any other use in any 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.

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 inside the fixture housing on the failed units due to improper installation voids the warranty.

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

ACELECTRONICS™
ACELED.COM

LED
Retrofit Kit



+ LED Lighting
Housing



= Minuteman 5™
LED Retrofit
Kit + Housing



Specifications

Item	Specification
Input Voltage	120-277V, 50/60 Hz
Fixture CRI	74
Fixture Color Temperature	4890K
Fixture Lumens	7971
Fixture Efficacy	87.5 lumen per watt
Lumen Maintenance	≥85% @ 5 years
Zonal Lumen Performance	0-90°=100%; 80-90° ≤0.6%
Warranty	5 years*
LED Quantity (Brand: Cree XP-G2)	40
LED TMP Temperature @ 25°C	86.7°C
Input Power	91W
Driver Efficiency	83%
Power Factor @ 277V	0.93
THD @ 277V	6.5%
Driver TMP @ 25°C ambient	66.4°C
Noise	<24dB
EMI	FCC part 15
Max Operating Temperature	45°C Ambient
Min Operation Temperature	-40°C Ambient
LED Retrofit Kit Dimensions /	15.78" H X 15.83" W X 2.10" D
Assembled Fixture Dimensions /	17.0" H X 16.6" W X 6.69" D



Note: LM79 and ies files are available upon request.