



LED-8029E/M 24W Bollard / Post Top Retrofit

Models

LED-8029E/MXX-A, 120-277VAC, cULus, 3000K, 4000K & 5700K CCT

LED-8029E/MXXC-A, 347VAC, cUL, 3000K, 4000K or 5700K CCT

Description

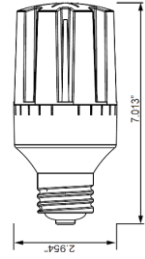
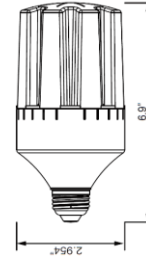
Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 150W HID. Advanced Active Cooling technology improves thermal performance and delivers the highest light output along with longer LED and driver life versus lamps limited to passive cooling. All models are tested by UL under 1598C that insures that retrofitted fixture retains safety certification as well as approved by UL for enclosed fixtures. This product is intended for by-passing the ballast and using direct line voltage.

Features

- 24W LED Replaces 150W MH or HPS HID Lamps
- Up to 3,500 lumen output and 147 LPW efficacy
- Available in either E26 Edison or E39 Mogul screw base
- UL approved for damp environments and enclosed fixtures
- Advanced active cooling: Active cooling and dynamic temperature control
- Integrated 6kA surge
- 50,000 hour rated LED life (supported by LM80 and ISTMT reports (see v. 1.0))
- 5 Year Limited Warranty - see website for details
- Insect/dust resistant housing



Mogul Base Models Only
(See details below)



TECHNICAL SPECIFICATIONS - USA 120-277V - ALL MODELS cULus

| MODEL | VOLTAGE | WATTAGE | LUMENS* | LPW* | REPLACES | BASE | CCT | CRI* | THD* | PF* | R9* | Duv* | LIGHT DISTRIBUTION | DIMMABLE |
|---------------|----------|---------|---------|------|----------|------|-------|------|--------|--------|-----|---------|--------------------|----------|
| LED-8029E30-A | 120-277V | 24W | 3024 | 138 | 150W HID | E26 | 3000K | 82.6 | 10 | 0.9927 | 3 | -0.0001 | 360° | No |
| LED-8029E40-A | | | 3422 | 142 | | | 4000K | 82 | 10.61 | 0.9838 | 6 | 0.0004 | | |
| LED-8029E57-A | | | 3425 | 143 | | | 5700K | 81.9 | 10.12 | 0.9815 | 4 | 0.0053 | | |
| LED-8029M30-A | | | 3431 | 147 | | | 3000K | 81.9 | 0.1 | 0.9884 | 4 | -0.0001 | | |
| LED-8029M40-A | | | 3374 | 141 | | | 4000K | 81.9 | 0.1061 | 0.9847 | 6 | 0.0008 | | |
| LED-8029M57-A | | | 3374 | 139 | | | 5700K | 82 | 0.1012 | 0.991 | 9 | 0.0023 | | |

TECHNICAL SPECIFICATIONS - CANADA 347V - ALL MODELS cUL

| MODEL | VOLTAGE | WATTAGE | LUMENS* | LPW* | REPLACES | BASE | CCT | CRI* | THD* | PF* | R9* | Duv* | LIGHT DISTRIBUTION | DIMMABLE |
|----------------|---------|---------|---------|------|----------|------|-------|------|--------|--------|-----|--------|--------------------|----------|
| LED-8029E30C-A | 347V | 24W | 3099 | 139 | 150W HID | E26 | 3000K | 81.4 | 16 | 0.9423 | 3 | 0.0002 | 360° | No |
| LED-8029E40C-A | | | 3568 | 144 | | | 4000K | 82.1 | 16.29 | 0.9406 | 7 | 0.0003 | | |
| LED-8029E57C-A | | | 3426 | 145 | | | 5700K | 82 | 0.1653 | 0.9273 | 6 | 0.0038 | | |
| LED-8029M30C-A | | | 3129 | 139 | | | 3000K | 81.4 | 0.16 | 0.9243 | 3 | 0.0002 | | |
| LED-8029M40C-A | | | 3405 | 147 | | | 4000K | 82.2 | 0.1629 | 0.9462 | 6 | 0.001 | | |
| LED-8029M57C-A | | | 3165 | 138 | | | 5700K | 82.2 | 0.1653 | 0.9412 | 10 | 0.0017 | | |

PACKAGING SPECIFICATIONS

| MODEL | PRODUCT DIMENSION | PRODUCT WEIGHT | UNIT CARTON DIMENSION | UNIT CTN WT | SHIPPER CARTON DIMENSION | SHIPPER CTN WT | CARTON QUANTITY |
|-----------|-------------------|----------------|-----------------------|-------------|--------------------------|----------------|-----------------|
| LED-8029E | 6.75 X 2.9 in. | 0.72 Lbs | 4.7 X 4.7 X 8.9 in. | 1.21 lbs. | 14.8 X 14.8 X 9.4 in. | 11.99 Lbs | 9 |
| LED-8029M | 7.01 X 2.9 in. | 0.76 Lbs | 4.7 X 4.7 X 8.9 in. | 1.21 lbs. | 14.8 X 14.8 X 9.4 in. | 11.99 Lbs | 9 |

UPC / UCC

DESIGN LIGHTS CONSORTIUM QPL CERTIFICATION SUMMARY (E39 MODELS ONLY)

| MODEL | PRODUCT UPC | CARTON UCC | QPL CATEGORY 1 | PRODUCT CODE | FAMILY CODE | QPL CATEGORY 2 | PRODUCT CODE | FAMILY CODE |
|----------------|-----------------|-------------------|---|--------------|-------------|----------------|--------------|-------------|
| LED-8029E30-A | 844006080396.00 | 10844006080393.00 | N/A | N/A | N/A | 0 | 0 | 0 |
| LED-8029E40-A | 844006080631.00 | 10844006080638.00 | N/A | N/A | N/A | 0 | 0 | 0 |
| LED-8029E57-A | 844006080297.00 | 10844006080294.00 | N/A | N/A | N/A | 0 | 0 | 0 |
| LED-8029M30-A | 844006081546.00 | 10844006081543.00 | Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B) | PAKDVMFU | RRRSWC | 0 | 0 | 0 |
| LED-8029M40-A | 844006081553.00 | 10844006081550.00 | Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B) | PAKDVMFU | RRRSWC | 0 | 0 | 0 |
| LED-8029M57-A | 844006081560.00 | 10844006081567.00 | Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B) | P1Z77EQS | RRRSWC | 0 | 0 | 0 |
| LED-8029E30C-A | 844006080952.00 | 10844006080959.00 | N/A | N/A | N/A | 0 | 0 | 0 |
| LED-8029E40C-A | 844006080969.00 | 10844006080966.00 | N/A | N/A | N/A | 0 | 0 | 0 |
| LED-8029E57C-A | 844006080976.00 | 10844006080973.00 | N/A | N/A | N/A | 0 | 0 | 0 |
| LED-8029M30C-A | 844006081721.00 | 10844006081728.00 | Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B) | P76RARZA | BBBCYN | 0 | 0 | 0 |
| LED-8029M40C-A | 844006081714.00 | 10844006081714.00 | Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B) | PN4K3SC8 | BBBCYN | 0 | 0 | 0 |
| LED-8029M57C-A | 844006081707.00 | 10844006081701.00 | Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type B) | PA216JKT | BBBCYN | 0 | 0 | 0 |

ENERGY SAVING vs. HID

ZONAL LUMENS/ LUX DISTANCE DATA (see LM79 for more information)

Mounting Orientation

| LED Lamp Power (watts) | 24 | Zonal Lumen Summary | | | | | | Mounting Orientation | | |
|---|--------|---------------------|---------|--------------|-------|--------|---------|----------------------------------|------------------------------|-----------------------------|
| | | Zone | Lumens | % Luminaires | Zone | Lumens | % Total | BASE DOWN | BASE UP | HORIZONTAL |
| HID Lamp Power (watts) | 150 | 0-30 | 198.9 | 7.5% | 0-10 | 18.5 | 0.7% | | | |
| | | 0-40 | 363.0 | 13.6% | 10-20 | 63.6 | 2.4% | APPROVED | APPROVED | APPROVED |
| HID Ballast Power (watts) | 22.5 | 0-60 | 835.9 | 31.3% | 20-30 | 116.9 | 4.4% | Recommended Minimum Fixture Size | THERMAL SPECIFICATIONS | |
| | | 60-90 | 803.4 | 30.1% | 30-40 | 164.0 | 6.1% | | OPERATING TEMPERATURE | -40°F to +122°F |
| Total power Savings (watts) | 148.5 | 70-100 | 784.7 | 29.4% | 40-50 | 218.4 | 8.2% | Width | IN-SITU TEMP MEASUREMENT/L70 | |
| | | 90-120 | 682.3 | 25.6% | 50-60 | 254.5 | 9.5% | | Height | LED TEMPERATURE* |
| Annual Energy Savings | \$ 83 | 0-90 | 1,639.3 | 61.5% | 60-70 | 271.3 | 10.2% | Volume (Cu. In.) | L70 LED LUMEN MAINTAINANCE* | |
| | | 90-180 | 1,028.3 | 38.5% | 70-80 | 270.8 | 10.2% | | 436.1 | * FROM ISTMT REPORT AT 77°F |
| Lifetime Energy Savings over 50,000 hrs | \$ 817 | 0-180 | 2,667.6 | 100% | 80-90 | 261.3 | 9.8% | | | |