



LED-8046M 65W Post Top Retrofit

Models

LED-8046-XX-E40-A, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT

Description

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 320W 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. Internal fans have thermal feedback and a long life (70,000 hours).

Features

- 65W LED Replaces up to 320W MH or HPS HID Lamps
- Up to 9,587 lumen output and 143 LPW efficacy
- Available in either E40 screw base
- Suitable for enclosed fittings
- 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 website)
- 5 Year Limited Warranty - see website for details
- Insect/dust resistant housing



TECHNICAL SPECIFICATIONS

| MODEL | VOLTAGE | WATTAGE | LUMENS* | LPW* | REPLACES | BASE | CCT | CRI* | THD* | PF* | R9* | Duv* | LIGHT DISTRIBUTION | DIMMABLE |
|-------------------|----------|---------|---------|------|----------------|------|-------|--------|-------|---------|-----|---------|--------------------|----------|
| LED-8046-NW-E40-A | 120-277V | 65W | 8450 | 127 | Up to 320W HID | E40 | 3000K | 84.7 | 13.04 | 0.9862 | 20 | -0.0043 | 360° | No |
| LED-8046-CW-E40-A | | | 4000K | 84.1 | | | 14.84 | 0.9823 | 12 | -0.0026 | | | | |
| LED-8046-DL-E40-A | | | 5700K | 85.1 | | | 16.56 | 0.9872 | 16 | -0.0011 | | | | |

PACKAGING SPECIFICATIONS

| MODEL | PRODUCT DIMENSION | PRODUCT WEIGHT | UNIT CARTON DIMENSION | UNIT CTN WT | SHIPPER CARTON DIMENSION | SHIPPER CTN WT | CARTON QUANTITY |
|-------------------|-------------------|----------------|-----------------------|-------------|--------------------------|----------------|-----------------|
| LED-8046-XX-E40-A | 282 X 104 mm | .82 KG | 143 X 143 X 335 mm | 1.012 KG | 450 X 300 X 350 mm | 6.72KG | 4 |

ENERGY SAVING vs. HID

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

Mounting Orientation

| | | | | | | | | | | | | | |
|--|--------|----------------------------|---------|-------------|-------|------------------------|---------|---------|--------|-----------|---|-------------------------------|------------------|
| LED Lamp Power (watts) | 65 | Zonal Lumen Summary | | | | Lumens Per Zone | | | | BASE DOWN | BASE UP | HORIZONTAL | |
| HID Lamp Power (watts) | 320 | Zone | Lumens | % Luminaire | Zone | Lumens | % Total | Zone | Lumens | % Total | | | |
| HID Ballast Power (watts) | 48 | 0-30 | 444.0 | 4.7% | 0-10 | 34.9 | 0.4% | 90-100 | 995.4 | 10.5% | APPROVED | APPROVED | APPROVED |
| Total power Savings (watts) | 303 | 0-40 | 909.7 | 9.6% | 10-20 | 129.9 | 1.4% | 100-110 | 916.5 | 9.6% | Recommended Minimum Fitting Size | THERMAL SPECIFICATIONS | |
| | | 0-60 | 2,394.3 | 25.2% | 20-30 | 279.2 | 2.9% | 110-120 | 782.2 | 8.2% | | OPERATING TEMPERATURE | -40°C to +50°C |
| Annual Energy Savings | £121 | 60-90 | 2,966.2 | 31.2% | 30-40 | 465.7 | 4.9% | 120-130 | 618.0 | 6.5% | Width | IN-SITU TEMP MEASUREMENT/L70 | |
| | | 70-100 | 3,020.0 | 31.8% | 40-50 | 658.3 | 6.9% | 130-140 | 435.4 | 4.6% | | Height | LED TEMPERATURE* |
| Lifetime Energy Savings over 50,000 hrs) | £1,182 | 90-120 | 2,694.0 | 28.4% | 50-60 | 826.2 | 8.7% | 140-150 | 255.7 | 2.7% | Volume (Cu. Cm.) | L70 LED LUMEN MAINTAINANCE* | >60,000 hrs |
| | | 0-90 | 5,360.5 | 56.4% | 60-70 | 941.6 | 9.9% | 150-160 | 110.1 | 1.2% | | * FROM ISTMT REPORT AT 25°C | |
| | | 90-180 | 4,138.9 | 43.6% | 70-80 | 1,004.0 | 10.6% | 160-170 | 24.2 | 0.3% | | | |
| | | 0-180 | 9,499.4 | 100% | 80-90 | 1,020.6 | 10.7% | 170-180 | 1.3 | 0% | | | |

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