### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Wattage</th>
<th>Lumens*</th>
<th>LPW*</th>
<th>Replaces</th>
<th>Base</th>
<th>CCT</th>
<th>CRI*</th>
<th>THD*</th>
<th>PF*</th>
<th>R9*</th>
<th>Duv*</th>
<th>Dimmable</th>
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</thead>
<tbody>
<tr>
<td>LED-8024-NW-E27-A</td>
<td>45W</td>
<td>6062</td>
<td>130</td>
<td>3000K</td>
<td>E27</td>
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<td>4000K</td>
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<td>LED-8024-DL-E27-A</td>
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### Packaging Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Product Dimension</th>
<th>Product Weight</th>
<th>Unit Carton Dimension</th>
<th>Unit CTN WT</th>
<th>Shipper Carton Dimension</th>
<th>Shipper CTN WT</th>
<th>Carton Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED-8024-XX-E27-A</td>
<td>240 x 86 mm.</td>
<td>.56 KG</td>
<td>125 x 125 x 292 mm</td>
<td>0.658 KG</td>
<td>395 x 395 x 307 mm</td>
<td>6.22 KG</td>
<td>9</td>
</tr>
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<td>6.22 KG</td>
<td>9</td>
</tr>
</tbody>
</table>

### Energy Saving vs. HID

- **LED Lamp Power (watts):** 45
- **HID Lamp Power (watts):** 250
- **HID Ballast Power (watts):** 38
- **Total power Savings (watts):** 242.5
- **Annual Energy Savings:** £97
- **Lifetime Energy Savings over 50,000 hrs:** £946

**Zonal Lumens/Lux Distance Data** (see LM79 for more information)

<table>
<thead>
<tr>
<th>Zonal Lumen Summary</th>
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</tbody>
</table>

**Mounting Orientation**

- **BASE DOWN**
- **BASE UP**
- **HORIZONTAL**

**APPROVED**

- **Operating Temperature:** -40°C to +50°C
- **IN-SITU TEMP MEASUREMENT/L70**
- **LED TEMPERATURE:** 64.2
- **L70 LED LUMEN MAINTENANCE:** >60,000 hrs

* From ISTMT Report at 25°C

**Thermal Specifications**

- **Recommended Minimum Fitting Size:** Operating Temperature
- **Width:** 302 mm
- **Height:** 188 mm
- **Volume (Cu. Cm.):** 567.6

**Product Specifications Sheet**

- **LED-8024E/M 45W Post Top Retrofit**
- **Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 250W HID.**
- **Features:**
  - 45W LED replaces up to 250W MH or HPS HID lamps
  - Up to 6,930 lumen output and 145 LPW efficacy
  - Available in either E27 or 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
  - IP20 Rating - Lamps must not be exposed directly to water

**LED-8024-XX-E27, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT**

**LED-8024-XX-E40, 120-277VAC, CE, ROHS, 3000K, 4000K & 5700K CCT**

**Description**

Light Efficient Design's Post Top/Bollard retrofits replace HID lamps up to 250W 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).