



## 80W E27 LED High Power Light Bulb, Cool White 6500K, 5,600 lm

- Delivers 5,600 lm at 70 lm/w efficacy
- Uses 100 SMD2835 LED chips for uniform light distribution
- CRI exceeds 70 for accurate color rendering
- Operates on 120-240V AC input
- Rated for a 50,000-hour LED lifetime
- PC and aluminum housing, 26.5cm x 15cm

### OVERVIEW

The 8-E27-80W-HPB is an 80W E27-base LED high-power bulb designed for large commercial and industrial spaces requiring high-output general illumination. Its standard E27 base allows direct replacement in compatible fixtures without rewiring.

This bulb draws 80W and delivers 5,600 lumens at an efficacy of 70 lumens per watt, reducing energy consumption compared to equivalent HID or incandescent sources. It uses 100 SMD2835 LED chips for uniform light distribution and operates on a 120-240V AC input. The Color Rendering Index exceeds 70, suitable for environments where accurate color representation is required, and power factor exceeds 0.50.

The bulb carries a 2-year warranty and is rated for a 50,000-hour LED lifetime.

### SPECIFICATIONS

#### OPTICAL

|                   |          |
|-------------------|----------|
| Luminous Flux     | 5,600 lm |
| Efficacy          | 70 lm/W  |
| Color Temperature | 6,500 K  |
| CRI               | 70       |
| LED Chip Type     | SMD2835  |
| LED Lifetime      | 50,000 h |

#### MECHANICAL

|                    |                |
|--------------------|----------------|
| Product Dimensions | 26.5 × 15 cm   |
| Material           | PC+Aluminum    |
| Mounting           | E27 screw base |

#### ELECTRICAL

|                   |           |
|-------------------|-----------|
| Operating Voltage | 120-240 V |
| Wattage           | 80 W      |

#### ORDERING

|          |     |
|----------|-----|
| Warranty | 2 y |
|----------|-----|

### APPLICATIONS

- High-bay warehouse lighting
- Workshop and industrial facility illumination
- Parking garage lighting
- Large commercial space retrofits
- Loading dock and outdoor canopy fixtures

| slug               | value          | source | confidence |
|--------------------|----------------|--------|------------|
| lumens             | 5,600 lm       | pdf    | medium     |
| efficacy_lm_per_w  | 70 lm/W        | pdf    | medium     |
| cct_k              | 6,500 K        | pdf    | medium     |
| cri                | 70             | pdf    | medium     |
| led_chip_type      | SMD2835        | pdf    | medium     |
| led_lifetime_h     | 50,000 h       | db     | high       |
| operating_voltage  | 120–240 V      | db     | high       |
| wattage            | 80 W           | db     | high       |
| product_dimensions | 26.5 × 15 cm   | pdf    | medium     |
| material           | PC+Aluminum    | pdf    | medium     |
| mount_type         | E27 screw base | pdf    | high       |
| warranty_years     | 2 y            | db     | high       |

Specifications subject to change without notice.

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