Philips LED Bulb

3000K/6500K 100-240V

Philips LEDbulb deliver high quality light to ensure direct replacement of GLS bulbs in indoor application. The beam of light is free of infra-red meaning no heat is radiated, and no ultra-violet light means that fabric and items under this light won't fade.

Philips LEDbulb offers up to 85% energy saving and a longer lifetime of 15,000 hours (equivalent to 15 years if lit 2.7 hours per day across 365 days).
Design highlights

- Form factor is designed as a direct retrofit into A60/A67 fixtures
- Long lifetime of 15,000 hours
- Warm white CCT 3000K and cool daylight CCT 6500K available
- No UV and No IR
- Environmental friendly, no Mercury or any other hazardous substances
- Low Carbon Footprint

Application areas

The warm light makes it ideal for general lighting applications in the retail and hospitality industry by offering their guests a differentiating ambiance and unique experience in public areas like:

- Elite shops
- Corridors / Stairways / Washrooms
- Lobby / Reception areas
- Hotel rooms / Bars
- Home

Application notes

- Operating temperature range is between -20 °C and 40 °C ambient
- Only to apply in dry or damp locations and most of open fixtures with E27 lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights
- Not intended for enclosed luminaires
# Product features

## Technical Specifications

<table>
<thead>
<tr>
<th>Product type</th>
<th>Voltage (V)</th>
<th>Wattage (W)</th>
<th>Cap</th>
<th>Bulb shape</th>
<th>CCT (K)</th>
<th>Lumen (Lm)</th>
<th>Luminous efficacy (lm/W)</th>
<th>Lifetime (hours)</th>
<th>CRI</th>
<th>Power Factor</th>
<th>Dimmable</th>
<th>KSA EEI Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED bulb 6W-48W E27 3000K W A60 PF</td>
<td>100-240V</td>
<td>6</td>
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<td>A60</td>
<td>3000</td>
<td>600</td>
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## Dimensions

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<tr>
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<td>Overall Length (mm)</td>
<td>Diameter (mm)</td>
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Spectral Power Distribution

Spectrum LEDbulb 3000K

![Spectrum LEDbulb 3000K graph]

Spectrum LEDbulb 6500K

![Spectrum LEDbulb 6500K graph]

Temperature

![Temperature graph]

600 lm  Tc Max: 90 °C
806 lm  Tc Max: 100 °C
1055 lm  Tc Max: 100 °C

6521 lm  Tc Max: 100 °C
 Photometric Diagrams

**LEDBulb 6.5W-48W 3000K W A60 PF**

1 x 600 lm

<table>
<thead>
<tr>
<th>Parameter</th>
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<tr>
<td>Light output ratio</td>
<td>1.00</td>
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<tr>
<td>CIE flux code</td>
<td>7 26 56 22 100</td>
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<tr>
<td>Service upward</td>
<td>0.78</td>
</tr>
<tr>
<td>Service downward</td>
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<td>UGRCen (45°x60°, 0.25H)</td>
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**Polar intensity diagram**

**Quantity estimation diagram**

**UGR diagram**

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**LEDBulb 6.5W-48W 6500K W A60 PF**

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**Polar intensity diagram**

**Quantity estimation diagram**

**UGR diagram**
LED Bulb 7.5W-60W 3000K W A60 PF

1 x 806 lm

- Light output ratio: 1.00
- CIE flux code: 7 26 56 22 100
- Service upward: 0.78
- Service downward: 0.22
- UGRcen (4Hx8H, 0.25H) 20

LED Bulb 7.5W-60W 6500K WA60 PF

1 x 806 lm

- Light output ratio: 1.00
- CIE flux code: 7 26 56 22 100
- Service upward: 0.78
- Service downward: 0.22
- UGRcen (4Hx8H, 0.25H) 20

LED Bulb 9.5W-75W 3000K W A60 PF

1 x 1055 lm

- Light output ratio: 1.00
- CIE flux code: 7 26 56 22 100
- Service upward: 0.78
- Service downward: 0.22
- UGRcen (4Hx8H, 0.25H) 21
**LED Bulb 9.5W-75W 6500K W A60 PF**  
**1 x 1055 lm**  
- Light output ratio: 1.00  
- CIE flux code: 7 26 56 22 100  
- Service upward: 0.78  
- Service downward: 0.22  
- UGR cen (4Hx8H, 0.25H) = 21  

**Quantity estimation diagram**  
- Polar intensity diagram  
- UGR diagram

**LED Bulb 14W-100W 3000K W A67 PF**  
**1 x 1521 lm**  
- Light output ratio: 1.00  
- CIE flux code: 7 26 56 22 100  
- Service upward: 0.78  
- Service downward: 0.22  
- UGR cen (4Hx8H, 0.25H) = 21  

**Quantity estimation diagram**  
- Polar intensity diagram  
- UGR diagram

**LED Bulb 14W-100W 6500K W A60 PF**  
**1 x 1521 lm**  
- Light output ratio: 1.00  
- CIE flux code: 7 26 56 22 100  
- Service upward: 0.78  
- Service downward: 0.22  
- UGR cen (4Hx8H, 0.25H) = 21  

**Quantity estimation diagram**  
- Polar intensity diagram  
- UGR diagram
Philips LEDbulb has a lifetime exceeding 15,000 hours defined as (F50L70), where:

- F50L70, meaning 50% in total of whole population of lamps either fail without light output or lumen maintenance lower than 70% of initial value.

- Lifetime estimation based on the application environment condition: at room temperature (25°C), free air burning, baseup burning position, and at rated voltage.