# Dim to warm

With the lamps in this series, you can easily adjust the lighting atmosphere: the more you dim using an LED dimmer, the warmer the light colour becomes. The lamps adjust smoothly between white light at 3000 K and warm light at 2200 K. Technical information is clearly presented on the packaging.

Opal P45 bulb LED lamp Dim to warm 4.5W 3000-2200K E14 470lm 15000h 45x80mm, cardboard packing. Colour temperature decreases 3000K-2200K when dimming. Supply frequency ~50/60Hz.

Stocked: Yes



| PRODUCT CODE | CODE | KG | PRODUCT FAMILY |
|---|---|---|---|
| | 9410732 | 0.02 | Dim to warm |

EC001959 LED Lamp

| Electrotechnical data | |
|---|---|
| Nominal voltage (min) (V) | 220 V |
| Nominal voltage (max) (V) | 240 V |
| Power factor | 0.4 |
| Lamp power (min) (W) | 4.5 W |
| Lamp power (max) (W) | 4.5 W |
| Voltage type | AC |

| ETIM | |
|---|---|
| Suitable for electronic ballast | No |
| Suitable for magnetic ballast | No |
| Rated luminous flux according to IEC 62612 (lm) | 470 lm |
| Lamp efficacy (lm/W) | 104 lm/W |
| Lamp shape | Round/globe |
| Filament lamp | No |
| Type of glass/cover | Opal |
| Cap | E14 |
| Energy efficiency class according to EU regulation 2019/2015 | F |
| Lamp designation | Other |
| Min. number of switching cycles | 20000 |
| Weighted energy consumption in 1,000 hours (kWh) | 5 kWh |
| Average nominal lifespan (h) | 15000 h |

| Photometric data | |
|---|---|
| Luminous flux (min) (lm) | 470 lm |
| Luminous flux (max) (lm) | 470 lm |
| Colour rendering index (CRI/Ra) | 80-89 |
| Colour of light acc. EN 12464-1 | Warm <3300 K |
| Colour temperature (min) (K) | 2200 K |
| Colour temperature (max) (K) | 3000 K |
| Beam angle (min) (°) | 360 ° |
| Beam angle (max) (°) | 360 ° |
| Colour consistency (McAdam ellipse) | SDCM6 |
| Photobiological safety according to EN 62471 | RG1 |

| Structure | |
|---|---|
| Material of light bulb | Glass |
| Colour | White |
| Housing colour | White |

| Dimming and control | |
|---|---|
| Dimmable | Yes |
| Dimming trailing edge | Yes |
| Dimming leading edge | Yes |
| Dimming Touch and Dim | No |
| Dimming Zigbee | No |
| Dimming Bluetooth | No |
| Dimming Wi-Fi | No |
| No dimming function | No |
| Remote operation possible | No |
| With movement sensor | No |
| With remote control | No |
| With twilight switch | No |
| Compatible with Apple HomeKit | No |
| Compatible with Google Assistant | No |
| Compatible with Amazon Alexa | No |
| IFTTT support available | No |

| Measurements | |
|---|---|
| Diameter (mm) | 45 mm |
| Length (mm) | 80 mm |

| Mounting | |
|---|---|
| Degree of protection (IP) | IP20 |