



Essential LED - Affordable LED solution

Essential LED

Essential LED is an affordable LED spot lamp that is suitable for replacing halogen spot lamps. It provides a natural lighting effect as well as instant energy savings – an environmentally friendly solution. The Philips Essential LED family is designed for spot and general lighting applications in the hospitality, retail and home segments.

Benefits

- Reduced operational cost thanks to energy savings of up to 80%
- Lower maintenance cost thanks to more than five times longer lifetime than conventional halogen spot lamps
- Easy retrofit, upgrading the existing luminaire to LED technology

Features

- Lower energy consumption compared to halogen spot lamp
- Retrofit replacement of halogen spot lamps with existing transformers
- No UV/IR or mercury

Application

- Hospitality (restaurants, hotels, coffee bars)
- Retail
- Homes

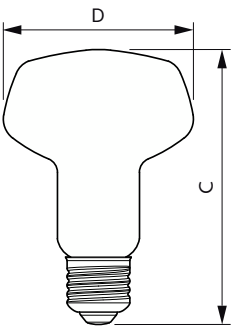
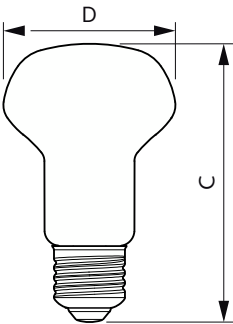
Essential LED

Versions



LEDspot ESS 7W E27 R63 827-865
12D ND RCA

Dimensional drawing



| Product | D | C |
|-------------------------------|-------|--------|
| ESS LED 7W E27 2700K 230V R63 | 63 mm | 102 mm |
| ESS LED 7W E27 6500K 230V R63 | 63 mm | 102 mm |

| Product | D | C |
|-------------------------------|-------|--------|
| ESS LED 9W E27 2700K 230V R80 | 80 mm | 115 mm |
| ESS LED 9W E27 6500K 230V R80 | 80 mm | 115 mm |

Essential LED

| General Information | |
|-----------------------------|----------------|
| Cap-Base | E27 |
| Switching Cycle | 50,000 |
| Nominal lifetime | 15,000 hour(s) |
| Light Technical | |
| Beam Angle (Nom) | 120 degree(s) |
| Color rendering index (CRI) | 80 |
| Operating and Electrical | |
| Input Frequency | 50 to 60 Hz |
| Line Frequency | 50 to 60 Hz |
| Starting Time (Nom) | 0.5 s |
| Controls and Dimming | |
| Dimmable | No |

Light Technical

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Color Code | LLMF At End Of | |
|------------|-------------------------------|------------------------------------|------------|------------------------|---------------|
| | | | | Nominal Lifetime (Nom) | Luminous Flux |
| 79879900 | ESS LED 7W E27 2700K 230V R63 | 2700 K | 827 | 70 % | 680 lm |
| 79815700 | ESS LED 7W E27 6500K 230V R63 | 6500 K | 865 | 70 % | 720 lm |
| 79817100 | ESS LED 9W E27 2700K 230V R80 | 2700 K | 827 | 0.7 % | 880 lm |
| 79821800 | ESS LED 9W E27 6500K 230V R80 | 6500 K | 865 | 0.7 % | 950 lm |

Operating and Electrical

| Order Code | Full Product Name | Power Consumption | Wattage Equivalent |
|------------|-------------------------------|-------------------|--------------------|
| 79879900 | ESS LED 7W E27 2700K 230V R63 | 7 W | 70 W |
| 79815700 | ESS LED 7W E27 6500K 230V R63 | 7 W | 70 W |

| Order Code | Full Product Name | Power Consumption | Wattage Equivalent |
|------------|-------------------------------|-------------------|--------------------|
| 79817100 | ESS LED 9W E27 2700K 230V R80 | 9 W | 80 W |
| 79821800 | ESS LED 9W E27 6500K 230V R80 | 9 W | 80 W |

Temperature

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|------------|-------------------------------|----------------------|
| 79879900 | ESS LED 7W E27 2700K 230V R63 | 68 °C |
| 79815700 | ESS LED 7W E27 6500K 230V R63 | 68 °C |

| Order Code | Full Product Name | T-Case Maximum (Nom) |
|------------|-------------------------------|----------------------|
| 79817100 | ESS LED 9W E27 2700K 230V R80 | 72 °C |
| 79821800 | ESS LED 9W E27 6500K 230V R80 | 72 °C |

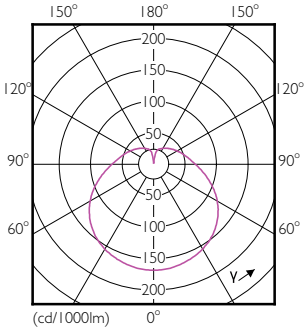
Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|------------|-------------------------------|------------|
| 79879900 | ESS LED 7W E27 2700K 230V R63 | R63 |
| 79815700 | ESS LED 7W E27 6500K 230V R63 | R63 |

| Order Code | Full Product Name | Bulb Shape |
|------------|-------------------------------|------------|
| 79817100 | ESS LED 9W E27 2700K 230V R80 | R80 |
| 79821800 | ESS LED 9W E27 6500K 230V R80 | R80 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|------------|-------------------------------|-------------------------------|
| 79879900 | ESS LED 7W E27 2700K 230V R63 | 7 kWh |
| 79815700 | ESS LED 7W E27 6500K 230V R63 | 7 kWh |
| 79817100 | ESS LED 9W E27 2700K 230V R80 | 9 kWh |
| 79821800 | ESS LED 9W E27 6500K 230V R80 | 9 kWh |



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