


# MASTER VALUE LEDs pot LV

## MAS LED spot VLE D 7-50W MR16 827 36D

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V Halogen electronic transformers. It also delivers beam intensity which is equivalent to the 50W Philips Halogen MR16 lamps. The form-factor of Philips MASTER Value LED MR16 guarantees a 100% form on the back-side of the lamp (exact form with Halogen lamps.)

### Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

### Product data

| General Information | |
|---|---|
| **Cap-Base** | GU5.3 [GU5.3] |
| **Nominal lifetime** | 25,000 hour(s) |
| **Switching Cycle** | 50,000 |
| **Lighting Technology** | LED |
| **EU RoHS compliant** | Yes |

| Light Technical | |
|---|---|
| **Color Code** | 827 [CCT of 2700K] |
| **Beam Angle (Nom)** | 36 degree(s) |
| **Luminous Flux** | 621 lm |
| **Luminous Intensity (Nom)** | 1,600 cd |
| **Color Designation** | Warm White (WW) |

| | |
|---|---|
| **Correlated Color Temperature (Nom)** | 2700 K |
| **Luminous Efficacy (rated) (Nom)** | 88.71 lm/W |
| **Color Consistency** | <6 |
| **Color rendering index (CRI)** | 80 |
| **LLMF At End Of Nominal Lifetime (Nom)** | 70 % |
| **Luminous Flux in 90° Cone (Rated)** | 621 lm |

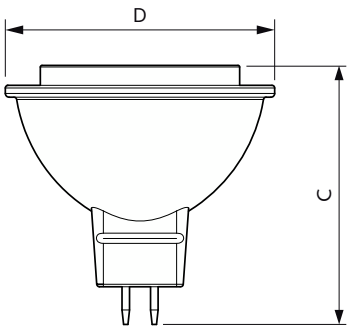
| Operating and Electrical | |
|---|---|
| **Power Consumption** | 7 W |
| **Lamp Current (Nom)** | 760 mA |
| **Wattage Equivalent** | 50 W |
| **Starting Time (Nom)** | 0.5 s |
| **Warm-up time to 60% light** | 0.5 s |

# MASTER VALUE LEDspot LV

| | |
|---|---|
| **Power Factor (Fraction)** | 0.8 |
| **Voltage (Nom)** | ac Electronic 12 V |
| **Temperature** | |
| **T-Case Maximum (Nom)** | 105 °C |
| **Controls and Dimming** | |
| **Dimmable** | Yes |
| **Mechanical and Housing** | |
| **Bulb Shape** | MR16 [2inch/50mm] |
| **Approval and Application** | |
| **Suitable For Accent Lighting** | Yes |

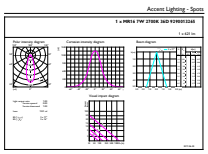
| | |
|---|---|
| **Energy Consumption kWh/1000 h** | 8 kWh |
| **Product Data** | |
| **Order product name** | MAS LED spot VLE D 7-50W MR16 827 36D |
| **Full product name** | MAS LED spot VLE D 7-50W MR16 827 36D |
| **Full product code** | 871869670835400 |
| **Order code** | 929001326502 |
| **Material Nr. (12NC)** | 929001326502 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696708354 |
| **Numerator - Packs per outer box** | 10 |
| **EAN/UPC - Case** | 8718696708361 |

## Dimensional drawing

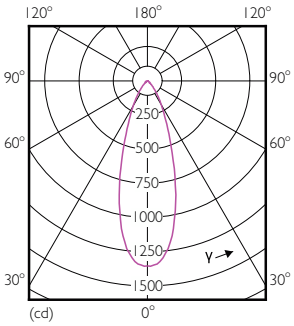



| Product | D | C |
|---|---|---|
| MAS LED spot VLE D 7-50W MR16 827 36D | 50.5 mm | 49.5 mm |

## Photometric data



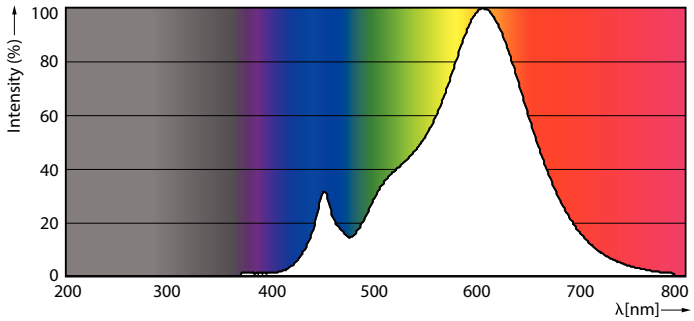
Accent Lighting Spots - MAS LED spot VLE D 7-50W MR16 827 36D




Light Distribution Diagram - MAS LED spot VLE D 7-50W MR16 827 36D

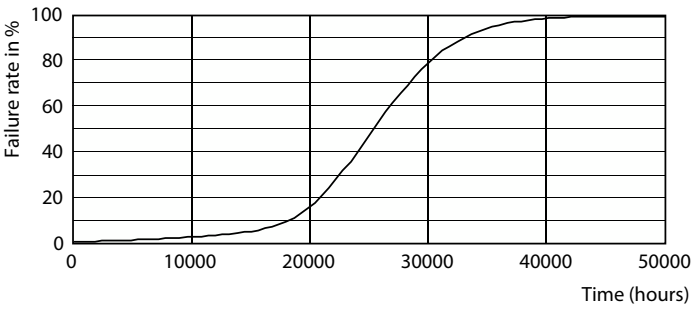
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## Photometric data

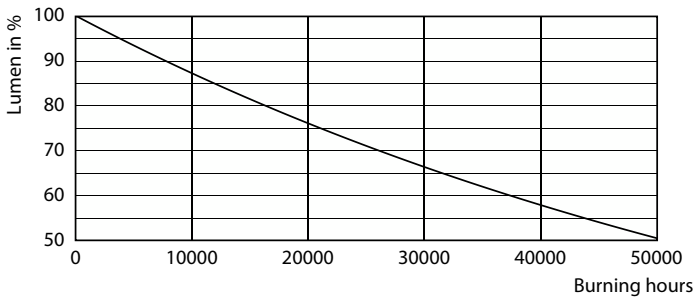



Spectral Power Distribution Colour - MAS LED spot VLE D 7-50W MR16 827 36D

## Lifetime




Life Expectancy Diagram - MAS LED spot VLE D 7-50W MR16 827 36D




Lumen Maintenance Diagram - MAS LED spot VLE D 7-50W MR16 827 36D

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