PHILIPS

Lighting

# MASTER VALUE LED spot LV

## MAS LEDspotLV DimTone 7.5-50W MR16 36D

MASTER Value, LEDspot, MR16, 50 W, GU5.3, 2200 K, 2700 K, 621 lm, CRI 90, 25000 h, Glass

MASTER Value, LEDspot, MR16, 50 W, GU5.3, 2200 K, 2700 K, 621 lm, CRI 90, 25000 h, Glass, 82.00 lm/W, EEL F, PF 0.7, RG1, IP20

### 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 |
| **Nominal lifetime** | 25,000 h |
| **Switching Cycle** | 50,000 |
| **Lighting Technology** | LEDspot |
| **Flux measurement reference** | Narrow Cone |
| **Warranty period** | 5 years |

| Light Technical | |
|---|---|
| **Colour Code** | 922-927 [CCT of 2200K-2700K] |
| **Beam angle (nom.)** | 36 degree(s) |
| **Luminous Flux** | 621 lm |
| **Luminous intensity (nom.)** | 1,100 cd |

| | |
|---|---|
| **Colour designation** | Warm Glow (WG) |
| **Correlated Colour Temperature (Nom)** | 2200 2700 K |
| **Luminous efficacy (rated) (nom.)** | 82.00 lm/W |
| **Colour consistency** | <6 |
| **Colour rendering index (CRI)** | 90 |
| **LLMF at end of nominal lifetime (nom.)** | 70 % |
| **Luminous flux in 90° cone (rated)** | 621 lm |
| **Photobiological safety according to EN 62471** | RG1 |

| Operating and Electrical | |
|---|---|
| **Line Frequency** | - Hz |
| **Input frequency** | - Hz |
| **Power Consumption** | 7.5 W |

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| | |
|---|---|
| **Lamp current (nom.)** | 670 mA |
| **Wattage equivalent** | 50 W |
| **Starting time (nom.)** | 0.5 s |
| **Warm-up time to 60% light** | 0.5 s |
| **Power Factor (Fraction)** | 0.7 |
| **Voltage (nom.)** | ac electronic 12 V |

### Temperature

| | |
|---|---|
| **T-Case maximum (nom.)** | 95 °C |

### Controls and Dimming

| | |
|---|---|
| **Dimmable** | Only with specific dimmers |

### Mechanical and Housing

| | |
|---|---|
| **Lamp Finish** | Clear |
| **Bulb material** | Glass |
| **Bulb shape** | MR16 |
| **Net Weight (Piece)** | 0.045 kg |

### Approval and Application

| | |
|---|---|
| **Energy Efficiency Class** | F |
| **Suitable for accent lighting** | Yes |
| **Energy consumption kWh/1,000 hours** | 8 kWh |

| | |
|---|---|
| **EPREL Registration Number** | 453186 |
| **CE mark** | Yes |
| **EU RoHS compliant** | Yes |
| **EyeComfort** | Yes |
| **Ambient temperature range** | -20 to +40 °C |

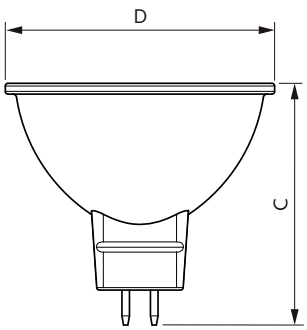
### Application Conditions

| | |
|---|---|
| **Wireless Technology** | Not applicable |

### Product Data

| | |
|---|---|
| **Order product name** | MAS LEDspotLV DimTone 7.5-50W MR16 36D |
| **Full product name** | MAS LEDspotLV DimTone 7.5-50W MR16 36D |
| **Full EOC** | 871951430744500 |
| **Order code** | 929002493802 |
| **Material no. (12 NC)** | 929002493802 |
| **Numerator – quantity per pack** | 1 |
| **EAN/UPC — Product/Case** | 8719514307445 |
| **Numerator – packs per outer box** | 10 |
| **EAN/UPC - Case** | 8719514307452 |

## Dimensional drawing




| Product | D | C |
|---|---|---|
| MAS LEDspotLV DimTone 7.5-50W MR16 36D | 50.5 mm | 45.5 mm |

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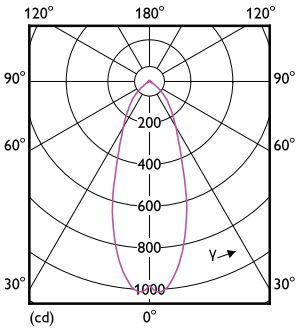
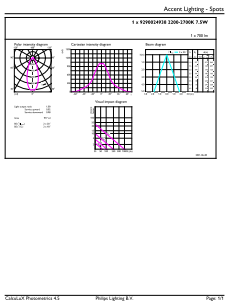
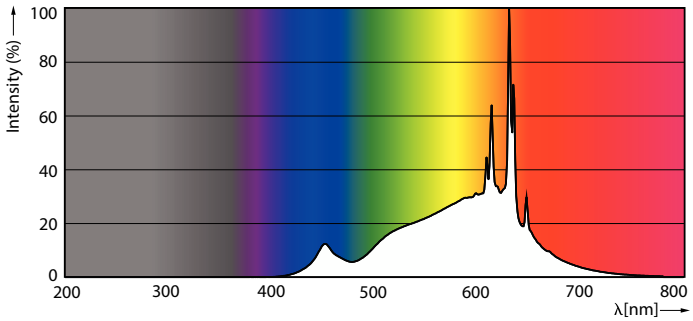
## Photometric data




Light Distribution Diagram - MAS LEDspotLV DimTone 7.5-50W MR16 36D

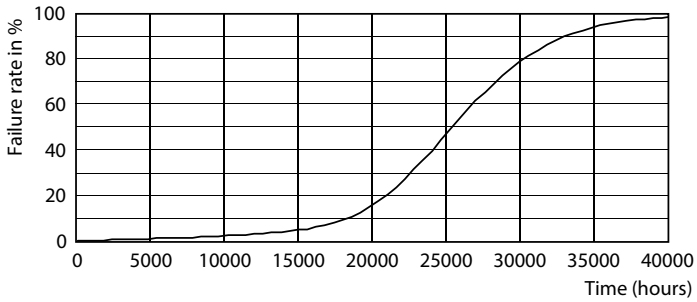



Accent Lighting Spots - MAS LEDspotLV DimTone 7.5-50W MR16 36D

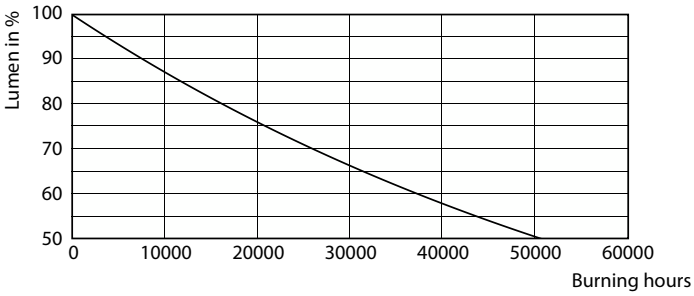



Spectral Power Distribution Colour - MAS LEDspotLV DimTone 7.5-50W MR16 36D

## Lifetime




Life Expectancy Diagram




Lumen Maintenance Diagram - MAS LEDspotLV DimTone 7.5-50W MR16 36D

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