



MASTER VALUE LEDs pot LV



MASTER LED SPOT VLE D 7.5-50W MR16 940 36D

Philips MASTER VALUE MR16 is the series of Low Voltage (12 VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12 V Halogen electronic transformers, it also delivers beam intensity which is equivalent to the 50 W 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 fit 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 |
| Nominal lifetime | 25,000 h |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Narrow Cone |
| Light Technical | |
| Colour Code | 940 [CCT of 4000K] |
| Beam angle (nom.) | 36 degree(s) |
| Luminous Flux | 660 lm |
| Luminous intensity (nom.) | 1,500 cd |
| Colour designation | Cool White (CW) |

| Correlated Colour Temperature (Nom) | 4000 K |
|--------------------------------------------------|------------|
| Luminous efficacy (rated) (nom.) | 88.00 lm/W |
| Colour consistency | <6 |
| Colour rendering index (CRI) | 90 |
| LLMF at end of nominal lifetime (nom.) | 70 % |
| Luminous flux in 90° cone (rated) | 660 lm |
| Photobiological safety according to EN 62471 RG1 | |
| Operating and Electrical | |
| Line Frequency | - Hz |
| Input frequency | - Hz |
| Power Consumption | 7.5 W |
| Lamp current (nom.) | 660 mA |

MASTER VALUE LEDspot LV

| | |
|---------------------------|--------------------|
| 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

| | |
|--------------------|----------|
| 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 | 453182 |

| | |
|-------------------|-----|
| CE mark | Yes |
| EU RoHS compliant | Yes |
| EyeComfort | Yes |

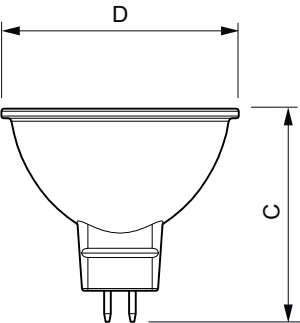
Application Conditions

| | |
|-------------------------------------|----|
| Can it be used in closed luminaires | No |
|-------------------------------------|----|

Product Data

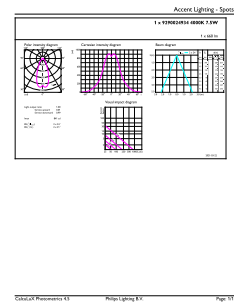
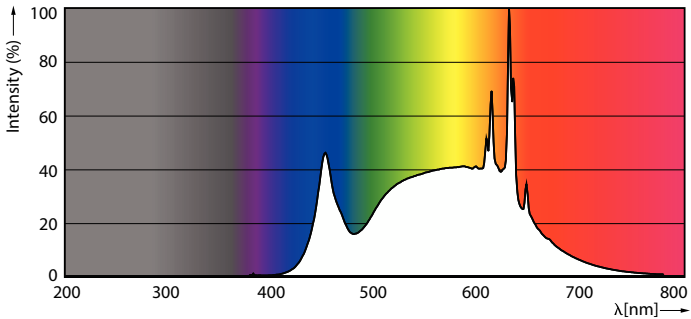
| | |
|---------------------------------|--------------------------------------------|
| Order product name | MAS LED SPOT VLE D 7.5-50W MR16 940 36D |
| Full product name | MASTER LED SPOT VLE D 7.5-50W MR16 940 36D |
| Full EOC | 871951430736000 |
| Order code | 30736000 |
| Material no. (12 NC) | 929002493402 |
| Numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8719514307360 |
| Numerator – packs per outer box | 10 |
| EAN/UPC – Case | 8719514307377 |

Dimensional drawing



| Product | D | C |
|-----------------------------------------|---------|---------|
| MAS LED SPOT VLE D 7.5-50W MR16 940 36D | 50.5 mm | 45.5 mm |

Photometric data

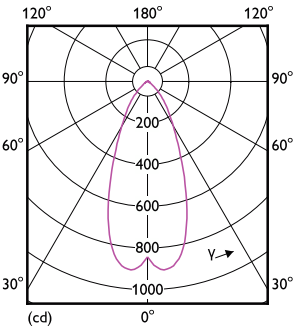


Spectral Power Distribution Colour - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

Accent Lighting Spots - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

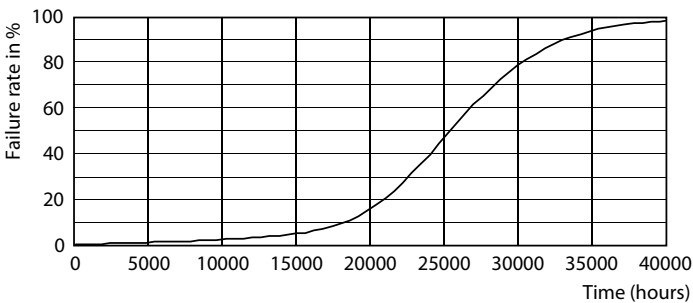
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Photometric data

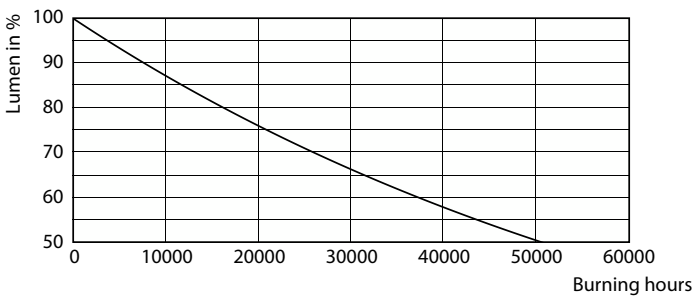


Light Distribution Diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

