



MASTER VALUE LEDspot LV

MASTER LEDspotLV D 7-35W 830 MR16 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 [GU5.3] |
| Nominal lifetime | 40,000 h |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| EU RoHS compliant | Yes |

| Light Technical | |
|---------------------------|--------------------|
| Colour Code | 830 [CCT of 3000K] |
| Beam angle (nom.) | 36 degree(s) |
| Luminous Flux | 440 lm |
| Luminous intensity (nom.) | 1,200 cd |
| Colour designation | White (WH) |

| | |
|--|------------|
| Correlated Colour Temperature | 3000 K |
| Luminous efficacy (rated) (nom.) | 57.86 lm/W |
| Colour consistency | <6 |
| Colour rendering index (CRI) | 80 |
| LLMF at end of nominal lifetime (nom.) | 70 % |
| Luminous flux in 90° cone (rated) | 405 lm |

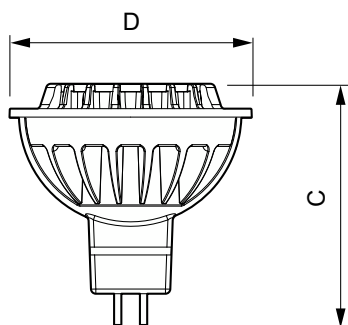
| Operating and Electrical | |
|---------------------------|--------|
| Power Consumption | 7 W |
| Lamp current (nom.) | 720 mA |
| Starting time (nom.) | 0.5 s |
| Warm-up time to 60% light | 1 s |
| Power Factor (Fraction) | 0.7 |

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| | |
|------------------------------------|---------------------|
| Voltage (nom.) | 12 V |
| Temperature | |
| T-Case maximum (nom.) | 92 °C |
| Controls and Dimming | |
| Dimmable | Yes |
| Mechanical and Housing | |
| Bulb shape | MR16 [2 inch/50 mm] |
| Approval and Application | |
| Energy-saving product | Yes |
| Suitable for accent lighting | Yes |
| Energy consumption kWh/1,000 hours | 8 kWh |

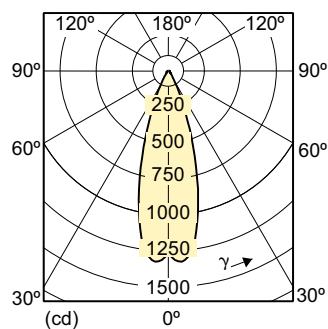
| Product Data | |
|-----------------------------------|---------------------------------------|
| Order product name | MAS LEDspotLV D 7-35W 830 MR16 36D |
| Full product name | MASTER LEDspotLV D 7-35W 830 MR16 36D |
| Full EOC | 871869648941300 |
| Order code | 48941300 |
| Material no. (12 NC) | 929001153202 |
| Local order code | MLED7WG533036N |
| SAP numerator – quantity per pack | 1 |
| EAN/UPC — Product/Case | 8718696489413 |
| Numerator – packs per outer box | 10 |
| EAN/UPC - Case | 8718696489420 |

Dimensional drawing

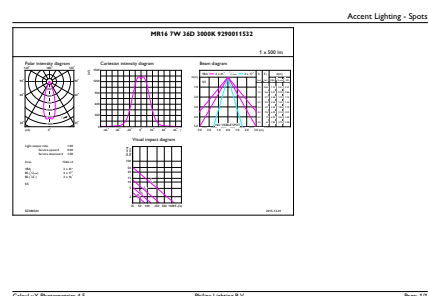


| Product | D | C |
|------------------------------------|-------|-------|
| MAS LEDspotLV D 7-35W 830 MR16 36D | 51 mm | 51 mm |

Photometric data



Light Distribution Diagram - MAS LEDspotLV D 7-35W 830 MR16 36D



General uniform lighting - MAS LEDspotLV D 7-35W 830 MR16 36D

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Photometric data



Spectral Power Distribution Colour - MAS LEDspotLV D 7-35W 830 MR16
36D

