



MASTER VALUE LEDs pot LV



MAS LEDspotLV 3.5-20W 827 MR11 24D

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employ 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 | GU4 |
| Nominal lifetime | 40,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Narrow Cone |

| Light Technical | |
|--------------------------|--------------------|
| Color Code | 827 [CCT of 2700K] |
| Beam Angle (Nom) | 24 degree(s) |
| Luminous Flux | 200 lm |
| Luminous Intensity (Nom) | 1,000 cd |
| Color Designation | Warm White (WW) |

| | |
|----------------------------------------------|------------|
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 57.00 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Luminous Flux in 90° Cone (Rated) | 200 lm |
| Photobiological safety according to EN 62471 | RG1 |

| Operating and Electrical | |
|--------------------------|--------|
| Line Frequency | - Hz |
| Input Frequency | - Hz |
| Power Consumption | 3.5 W |
| Lamp Current (Nom) | 400 mA |

MASTER VALUE LEDspot LV

| | |
|---------------------------|--------------------|
| Wattage Equivalent | 20 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) | 85 °C |
|----------------------|-------|

Controls and Dimming

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Mechanical and Housing

| | |
|--------------------|----------|
| Bulb Shape | MR11 |
| Net Weight (Piece) | 0.018 kg |

Approval and Application

| | |
|-------------------------------|-------|
| Energy Efficiency Class | G |
| Suitable For Accent Lighting | Yes |
| Energy Consumption kWh/1000 h | 4 kWh |

| | |
|---------------------------|--------|
| EPREL Registration Number | 680249 |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| EyeComfort | Yes |

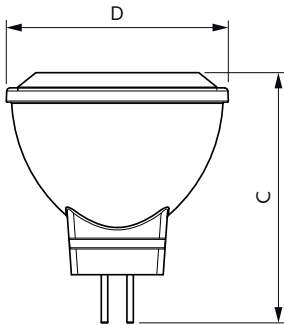
Application Conditions

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

Product Data

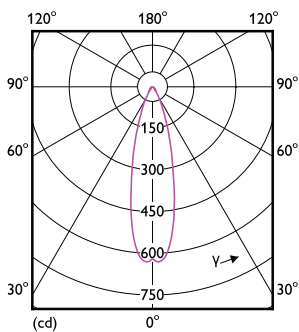
| | |
|---------------------------------|------------------------------------|
| Order product name | MAS LEDspotLV 3.5-20W 827 MR11 24D |
| Full product name | MAS LEDspotLV 3.5-20W 827 MR11 24D |
| Full product code | 871951435990100 |
| Order code | 929003087002 |
| Material Nr. (12NC) | 929003087002 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8719514359901 |
| Numerator - Packs per outer box | 12 |
| EAN/UPC - Case | 8719514359918 |

Dimensional drawing

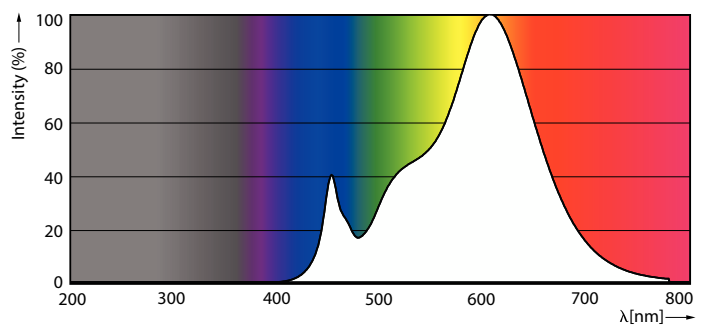


| Product | D | C |
|------------------------------------|---------|---------|
| MAS LEDspotLV 3.5-20W 827 MR11 24D | 35.1 mm | 39.5 mm |

Photometric data



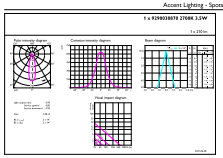
Light Distribution Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



Spectral Power Distribution Colour - MAS LEDspotLV 3.5-20W 827 MR11 24D

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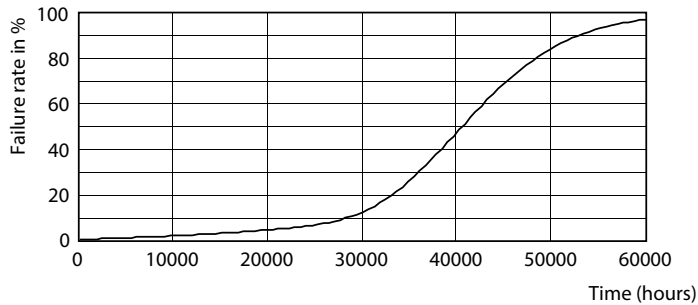
Photometric data



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Accent Lighting Spots - MAS LEDspotLV 3.5-20W 827 MR11 24D

Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D

