



MASTER VALUE LEDs

pot LV

MASTER LED SPOT VLE D 7-50W MR16 840 36D

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time. The robustly designed MASTER LEDspot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere.

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

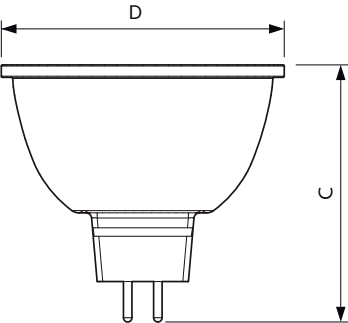
| General Information | |
|---------------------|--------------------|
| Cap-Base | GU5.3 [GU5.3] |
| Nominal lifetime | 25,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| EU RoHS compliant | Yes |
| Light Technical | |
| Color Code | 840 [CCT of 4000K] |

| | |
|---------------------------------------|-----------------|
| Beam Angle (Nom) | 36 degree(s) |
| Luminous Flux | 660 lm |
| Luminous Intensity (Nom) | 1,650 cd |
| Color Designation | Cool White (CW) |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 94.00 lm/W |
| Color Consistency | <6 |
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |

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| | |
|-----------------------------------|-------------------|
| Luminous Flux in 90° Cone (Rated) | 660 lm |
| Operating and Electrical | |
| Line Frequency | - Hz |
| Input Frequency | - Hz |
| Power Consumption | 7 W |
| Lamp Current (Nom) | 770 mA |
| Wattage Equivalent | 50 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.8 |
| Voltage (Nom) | 12 V |
| Temperature | |
| T-Case Maximum (Nom) | 85 °C |
| Controls and Dimming | |
| Dimmable | Yes |
| Mechanical and Housing | |
| Bulb Shape | MR16 [2inch/50mm] |

Dimensional drawing

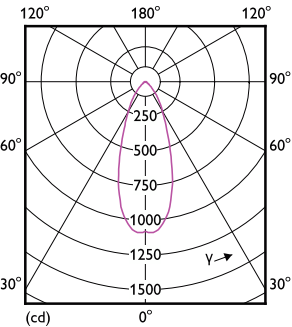


| | |
|---------------------------------|--|
| Approval and Application | |
| Suitable For Accent Lighting | Yes |
| Energy Consumption kWh/1000 h | 8 kWh |
| EyeComfort | Yes |
| Product Data | |
| Order product name | MAS LED SPOT VLE D 7-50W MR16 840 36D |
| Full product name | MASTER LED SPOT VLE D 7-50W MR16 840 36D |
| Full product code | 871869681558800 |
| Order code | 81558800 |
| Material Nr. (12NC) | 929001903602 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696815588 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696815595 |

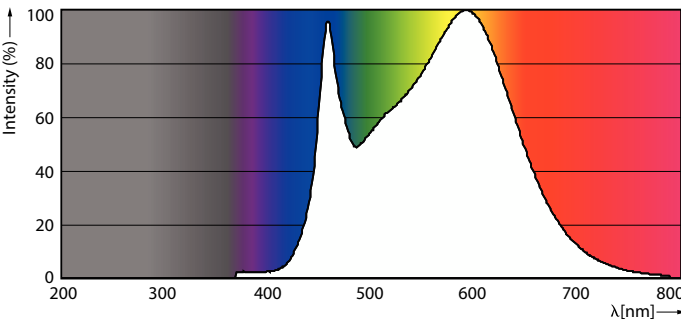
| Product | D | C |
|---------------------------------------|---------|-------|
| MAS LED SPOT VLE D 7-50W MR16 840 36D | 50.5 mm | 45 mm |

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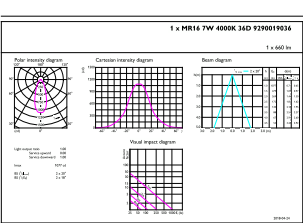
Photometric data



Light Distribution Diagram - MAS LED SPOT VLE D 7-50W MR16 840 36D

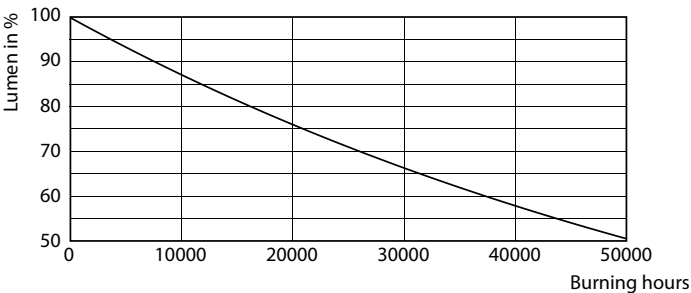


Spectral Power Distribution Colour - MAS LED SPOT VLE D 7-50W MR16 840 36D

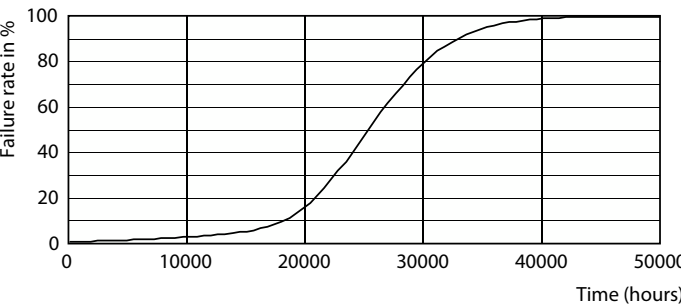


Accent Lighting Spots - MAS LED SPOT VLE D 7-50W MR16 840 36D

Lifetime



Lumen Maintenance Diagram - MAS LED SPOT VLE D 7-50W MR16 840 36D



Life Expectancy Diagram - MAS LED SPOT VLE D 7-50W MR16 840 36D

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