



MASTER VALUE LEDs

pot LV



MASTER LEDspotLV DimTone 7-50W MR16 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 |
| Flux measurement reference | Narrow Cone |
| EU RoHS compliant | Yes |

| Light Technical | |
|------------------------------------|------------------------------|
| Color Code | 822-827 [tunable warm white] |
| Beam Angle (Nom) | 36 degree(s) |
| Luminous Flux | 621 lm |
| Luminous Intensity (Nom) | 1,000 cd |
| Color Designation | Warm White (WW) |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 88.00 lm/W |
| Color Consistency | <6 |

MASTER VALUE LEDspot LV

| | |
|---------------------------------------|--------|
| Color rendering index (CRI) | 80 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Luminous Flux in 90° Cone (Rated) | 621 lm |

Operating and Electrical

| | |
|---------------------------|--------------------|
| Line Frequency | - Hz |
| Input Frequency | - Hz |
| Power Consumption | 7 W |
| Lamp Current (Nom) | 750 mA |
| Wattage Equivalent | 50 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.85 |
| Voltage (Nom) | ac electronic 12 V |

Temperature

| | |
|----------------------|-------|
| T-Case Maximum (Nom) | 86 °C |
|----------------------|-------|

Controls and Dimming

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

Mechanical and Housing

| | |
|------------|-------------------|
| Bulb Shape | MR16 [2inch/50mm] |
|------------|-------------------|

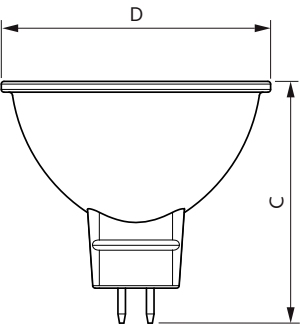
Approval and Application

| | |
|-------------------------------|--------|
| Energy Efficiency Class | F |
| Suitable For Accent Lighting | Yes |
| Energy Consumption kWh/1000 h | 7 kWh |
| EPREL Registration Number | 391904 |

Product Data

| | |
|---------------------------------|---|
| Order product name | MAS LEDspotLV DimTone 7-50W MR16 36D |
| Full product name | MASTER LEDspotLV DimTone 7-50W MR16 36D |
| Full product code | 871869965820500 |
| Order code | 65820500 |
| Material Nr. (12NC) | 929002058902 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718699658205 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718699658212 |

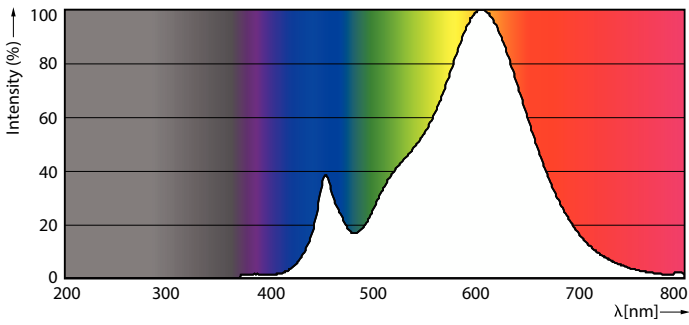
Dimensional drawing



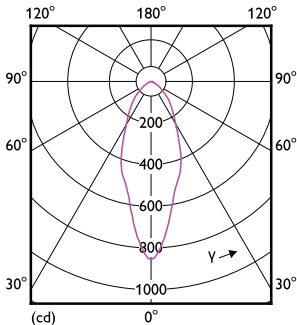
| Product | D | C |
|--------------------------------------|---------|---------|
| MAS LEDspotLV DimTone 7-50W MR16 36D | 50.5 mm | 45.5 mm |

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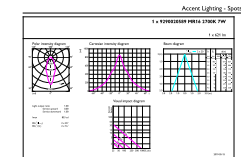
Photometric data



Spectral Power Distribution Colour - MAS LEDspotLV DimTone 7-50W MR16 36D

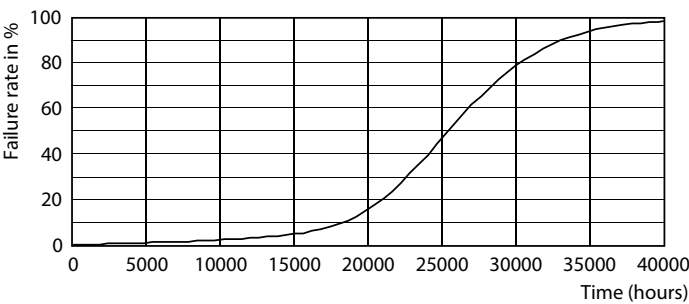


Light Distribution Diagram - MAS LEDspotLV DimTone 7-50W MR16 36D

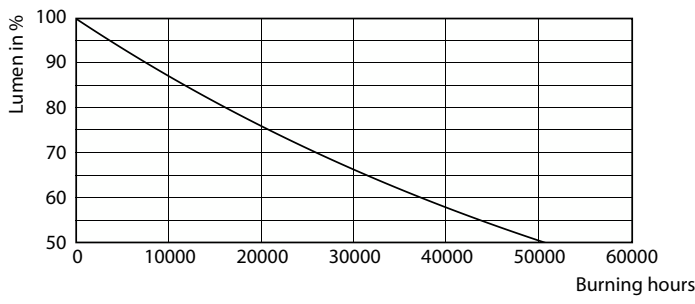


Accent Lighting Spots - MAS LEDspotLV DimTone 7-50W MR16 36D

Lifetime



Life Expectancy Diagram - MAS LEDspotLV DimTone 7-50W MR16 36D



Lumen Maintenance Diagram - MAS LEDspotLV DimTone 7-50W MR16 36D

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