



# MASTER VALUE LEDs

## pot LV

### MASTER LED 7-50W 827 MR16 24D Dim

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
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- 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)
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- Not intended for use with emergency light fixtures or exit lights
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#### Product data

| General Information |                |
|---------------------|----------------|
| Cap-Base            | GU5.3 [GU5.3]  |
| Nominal lifetime    | 40,000 hour(s) |
| Switching Cycle     | 50,000         |
| Lighting Technology | LED            |

| EU RoHS compliant | Yes                |
|-------------------|--------------------|
| Light Technical   |                    |
| Color Code        | 827 [CCT of 2700K] |
| Beam Angle (Nom)  | 24 degree(s)       |

MASTER VALUE LEDspot LV

|                                       |                 |
|---------------------------------------|-----------------|
| Luminous Flux                         | 420 lm          |
| Luminous Intensity (Nom)              | 2,100 cd        |
| Color Designation                     | Warm White (WW) |
| Correlated Color Temperature (Nom)    | 2700 K          |
| Luminous Efficacy (rated) (Nom)       | 57.14 lm/W      |
| Color Consistency                     | <6              |
| Color rendering index (CRI)           | 80              |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %            |
| Luminous Flux in 90° Cone (Rated)     | 400 lm          |

Operating and Electrical

|                           |        |
|---------------------------|--------|
| Power Consumption         | 7 W    |
| Lamp Current (Nom)        | 720 mA |
| Wattage Equivalent        | 50 W   |
| Starting Time (Nom)       | 0.5 s  |
| Warm-up time to 60% light | 1 s    |
| Power Factor (Fraction)   | 0.7    |
| Voltage (Nom)             | 12 V   |

Temperature

|                      |       |
|----------------------|-------|
| T-Case Maximum (Nom) | 92 °C |
|----------------------|-------|

Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Mechanical and Housing

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

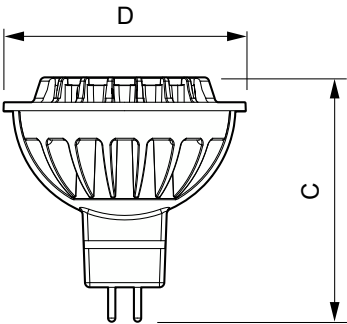
Approval and Application

|                               |       |
|-------------------------------|-------|
| Energy Saving Product         | Yes   |
| Suitable For Accent Lighting  | Yes   |
| Energy Consumption kWh/1000 h | 8 kWh |

Product Data

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Order product name              | MASTER LED 7-50W 827 MR16 24D Dim |
| Full product name               | MASTER LED 7-50W 827 MR16 24D Dim |
| Full product code               | 871869648957400                   |
| Order code                      | 929001152808                      |
| Material Nr. (12NC)             | 929001152808                      |
| Numerator - Quantity Per Pack   | 1                                 |
| EAN/UPC - Product/Case          | 8718696489574                     |
| Numerator - Packs per outer box | 10                                |
| EAN/UPC - Case                  | 8718696489581                     |

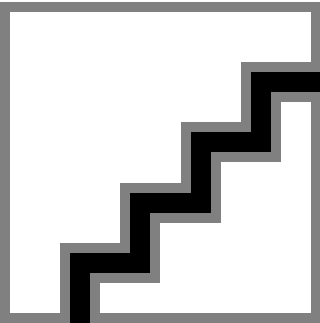
Dimensional drawing



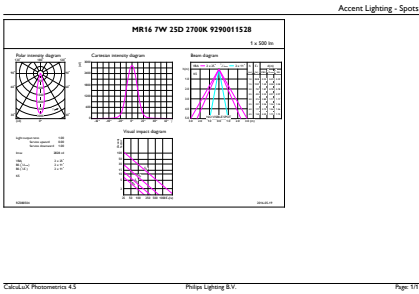
| Product                           | D     | C     |
|-----------------------------------|-------|-------|
| MASTER LED 7-50W 827 MR16 24D Dim | 51 mm | 51 mm |

MASTER VALUE LEDspot LV

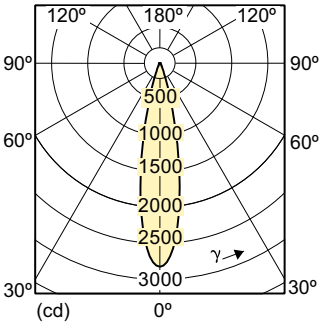
Photometric data



Spectral Power Distribution Colour - MASTER LED 7-50W 827 MR16 24D Dim



General uniform lighting - MASTER LED 7-50W 827 MR16 24D Dim



Light Distribution Diagram - MASTER LED 7-50W 827 MR16 24D Dim

