



# MASTER LEDspot LV

## MASTER LED 8-50W+ 827 MR16 24D Dim

Delivering intense accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot lighting. MASTER LEDspot LV is designed to replace halogen or incandescent spots. It realizes natural colors, enables cozy and comfortable ambience for residential, hospitality and emphasizes the beauty of merchandise in retail. New smaller housing provides perfect fitting with majority of luminaires in a market with a MR16 GU 5.3 holder. It not only employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which is equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. Its high SDCM ensure stricter color consistency, that is maintained over product life. MASTER LEDspot LV delivers huge energy savings and minimizes maintenance cost without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within short period time.

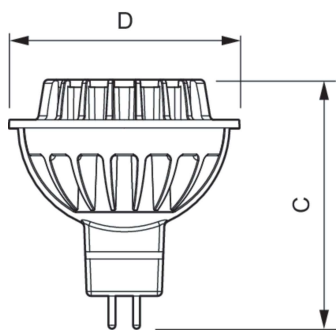
### Product data

| General Information      |                    | Operating and Electrical              |             |
|--------------------------|--------------------|---------------------------------------|-------------|
| Cap-Base                 | GU5.3 [GU5.3]      | Correlated Color Temperature (Nom)    | 2700 K      |
| Nominal lifetime         | 40,000 hour(s)     | Luminous Efficacy (rated) (Nom)       | 78 lm/W     |
| Switching Cycle          | 50,000             | Color Consistency                     | <6          |
| Lighting Technology      | LED                | Color rendering index (CRI)           | 80          |
| EU RoHS compliant        | Yes                | LLMF At End Of Nominal Lifetime (Nom) | 70 %        |
| Light Technical          |                    | Luminous Flux in 90° Cone (Rated)     | 621 lm      |
| Color Code               | 827 [CCT of 2700K] | Line Frequency                        | 50 to 60 Hz |
| Beam Angle (Nom)         | 24 degree(s)       | Input Frequency                       | 50 to 60 Hz |
| Luminous Flux            | 635 lm             | Power Consumption                     | 8 W         |
| Luminous Intensity (Nom) | 3,100 cd           | Lamp Current (Nom)                    | 900 mA      |
| Color Designation        | Warm White (WW)    | Wattage Equivalent                    | 50 W        |

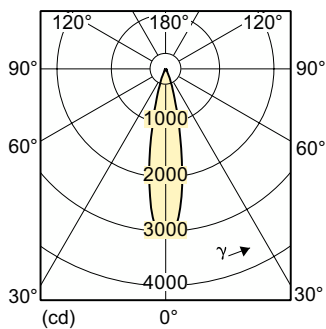
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|                                 |                      |
|---------------------------------|----------------------|
| Starting Time (Nom)             | 0.5 s                |
| Warm-up time to 60% light       | instant full light s |
| Power Factor (Fraction)         | 0.7                  |
| Voltage (Nom)                   | 12 V                 |
| <b>Temperature</b>              |                      |
| T-Case Maximum (Nom)            | 105 °C               |
| <b>Controls and Dimming</b>     |                      |
| Dimmable                        | Yes                  |
| <b>Mechanical and Housing</b>   |                      |
| Bulb Shape                      | MR16 [2inch/50mm]    |
| <b>Approval and Application</b> |                      |
| Suitable For Accent Lighting    | Yes                  |

## Dimensional drawing



## Photometric data



Light Distribution Diagram - MASTER LED 8-50W+ 827 MR16 24D Dim

|                                 |                                    |
|---------------------------------|------------------------------------|
| Energy Consumption kWh/1000 h   | 9 kWh                              |
| <b>Product Data</b>             |                                    |
| Order product name              | MASTER LED 8-50W+ 827 MR16 24D Dim |
| Full product name               | MASTER LED 8-50W+ 827 MR16 24D Dim |
| Full product code               | 871869649003700                    |
| Order code                      | 929001149808                       |
| Material Nr. (12NC)             | 929001149808                       |
| Numerator - Quantity Per Pack   | 1                                  |
| EAN/UPC - Product/Case          | 8718696490037                      |
| Numerator - Packs per outer box | 10                                 |
| EAN/UPC - Case                  | 8718696490044                      |

| Product                            | D     | C     |
|------------------------------------|-------|-------|
| MASTER LED 8-50W+ 827 MR16 24D Dim | 51 mm | 55 mm |



Spectral Power Distribution Colour - MASTER LED 8-50W+ 827 MR16 24D Dim

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