



MASTER LEDspot LV

MAS LEDspotLV D 8.0-50W 830 MR16 36D

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) | 3000 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 % |
| | | Luminous Flux in 90° Cone (Rated) | 621 lm |
| Light Technical | | | |
| Color Code | 830 [CCT of 3000K] | Line Frequency | 50 to 60 Hz |
| Beam Angle (Nom) | 36 degree(s) | Input Frequency | 50 to 60 Hz |
| Luminous Flux | 660 lm | Power Consumption | 8 W |
| Luminous Intensity (Nom) | 1,700 cd | Lamp Current (Nom) | 900 mA |
| Color Designation | White (WH) | Wattage Equivalent | 50 W |

MASTER LEDspot LV

| | |
|---------------------------|----------------------|
| 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 |

Temperature

| | |
|----------------------|--------|
| T-Case Maximum (Nom) | 105 °C |
|----------------------|--------|

Controls and Dimming

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

Mechanical and Housing

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

Approval and Application

| | |
|------------------------------|-----|
| Suitable For Accent Lighting | Yes |
|------------------------------|-----|

| | |
|-------------------------------|-------|
| Energy Consumption kWh/1000 h | 9 kWh |
| EyeComfort | Yes |

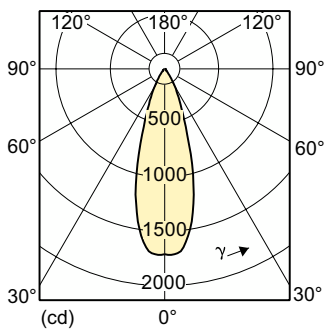
Product Data

| | |
|---------------------------------|--------------------------------------|
| Order product name | MAS LEDspotLV D 8.0-50W 830 MR16 36D |
| Full product name | MAS LEDspotLV D 8.0-50W 830 MR16 36D |
| Full product code | 871869651538900 |
| Order code | 929001150202 |
| Material Nr. (12NC) | 929001150202 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696515389 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696515396 |

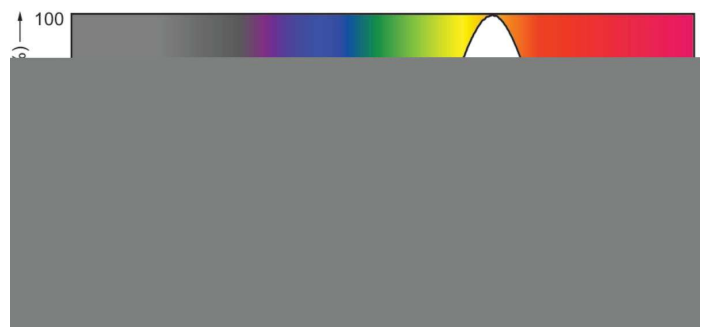
Dimensional drawing

| Product | D | C |
|--------------------------------------|-------|-------|
| MAS LEDspotLV D 8.0-50W 830 MR16 36D | 51 mm | 55 mm |

Photometric data



Light Distribution Diagram - MAS LEDspotLV D 8.0-50W 830 MR16 36D



Spectral Power Distribution Colour - MAS LEDspotLV D 8.0-50W 830 MR16 36D

MASTER LEDspot LV

