



MASTER LEDspot ExpertColor MV



MASTER LED ExpertColor 5.5–50W GU10 940 25D

MASTER LEDspot ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. They offer superior lighting that has a customized spectrum, high CRI, and deep dimming feature. What's more the innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. In addition, with MASTER LEDspot ExpertColor you can take advantage of the full ExpertColor family, which also includes LEDspot MR16, LEDspot AR111 and LEDspot PAR lamps. MASTER LEDspot ExpertColor delivers huge energy savings and minimizes maintenance costs without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within a short time period.

Product data

| General Information | | | |
|----------------------------|--------------------|---|-------------|
| Cap-Base | GU10 | Correlated Color Temperature (Nom) | 4000 K |
| Nominal lifetime | 40,000 hour(s) | Luminous Efficacy (rated) (Nom) | 72.00 lm/W |
| Switching Cycle | 50,000 | Color Consistency | <3 |
| Lighting Technology | LED | Color rendering index (CRI) | 97 |
| Flux measurement reference | Narrow Cone | LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| CE mark | Yes | Luminous Flux in 90° Cone (Rated) | 400 lm |
| EU RoHS compliant | Yes | Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1 |
| Light Technical | | Stroboscopic effect visibility measure (SVM) | 0.4 |
| Color Code | 940 [CCT of 4000K] | Photobiological safety according to EN 62471 | RG1 |
| Beam Angle (Nom) | 25 degree(s) | Operating and Electrical | |
| Luminous Flux | 400 lm | Line Frequency | 50 to 60 Hz |
| Luminous Intensity (Nom) | 1,050 cd | Input Frequency | 50 to 60 Hz |
| Color Designation | Cool White (CW) | Power Consumption | 5.5 W |

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| | |
|---------------------------|-----------|
| Lamp Current (Nom) | 30 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) | 220-240 V |

Temperature

| | |
|----------------------|-------|
| T-Case Maximum (Nom) | 80 °C |
|----------------------|-------|

Controls and Dimming

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|----------|----------------------------|
| Dimmable | Only with specific dimmers |
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Mechanical and Housing

| | |
|------------|-------|
| Bulb Shape | PAR16 |
|------------|-------|

Approval and Application

| | |
|-------------------------------|-------|
| Energy Efficiency Class | F |
| Suitable For Accent Lighting | Yes |
| Energy Consumption kWh/1000 h | 6 kWh |

| | |
|---------------------------|--------|
| EPREL Registration Number | 391833 |
| EyeComfort | Yes |

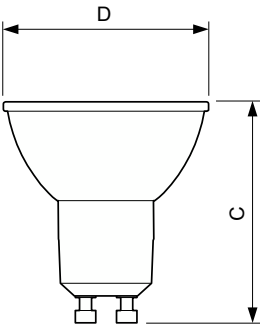
Application Conditions

| | |
|-------------------------------------|----|
| can it be used in closed luminaires | No |
|-------------------------------------|----|

Product Data

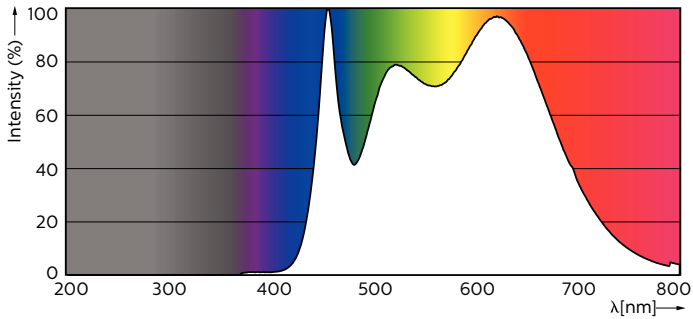
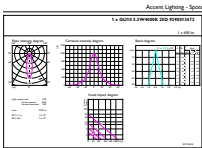
| | |
|---------------------------------|---|
| Order product name | MAS LED ExpertColor 5.5-50W GU10 940 25D |
| Full product name | MASTER LED ExpertColor 5.5-50W GU10 940 25D |
| Full product code | 871869670765400 |
| Order code | 70765400 |
| Material Nr. (12NC) | 929001347202 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696707654 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696707661 |

Dimensional drawing



| Product | D | C |
|--|-------|-------|
| MAS LED ExpertColor 5.5-50W GU10 940 25D | 50 mm | 54 mm |

Photometric data

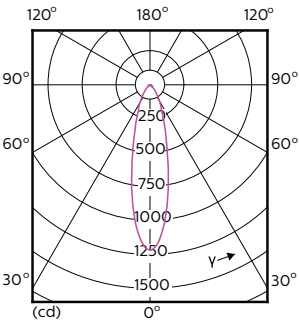


Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 25D

Spectral Power Distribution Colour - MAS LED ExpertColor 5.5-50W GU10 940 25D

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Photometric data

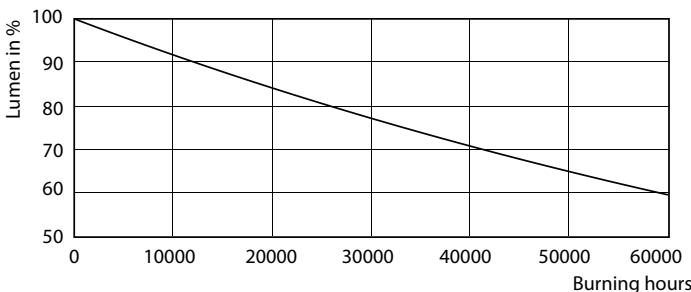


Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D



Lumen Maintenance Diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D

