



MASTER LEDspot ExpertColor MV

MASTER LED ExpertColor 5.5-50W GU10 940 36D

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 |
| Nominal lifetime | 40,000 hour(s) |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Narrow Cone |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| Light Technical | |
| Color Code | 940 [CCT of 4000K] |
| Beam Angle (Nom) | 36 degree(s) |
| Luminous Flux | 400 lm |
| Luminous Intensity (Nom) | 800 cd |
| Color Designation | Cool White (CW) |

| Correlated Color Temperature (Nom) | 4000 K |
|---|-------------|
| Luminous Efficacy (rated) (Nom) | 72.00 lm/W |
| Color Consistency | <3 |
| Color rendering index (CRI) | 97 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % |
| Luminous Flux in 90° Cone (Rated) | 400 lm |
| Flickering value (PstLM) - Flickering value as per EN 61000-3-3 | 1 |
| Stroboscopic effect visibility measure (SVM) | 0.4 |
| Photobiological safety according to EN 62471 | RG1 |
| Operating and Electrical | |
| Line Frequency | 50 to 60 Hz |
| Input Frequency | 50 to 60 Hz |
| 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

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

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 | 391835 |
| EyeComfort | Yes |

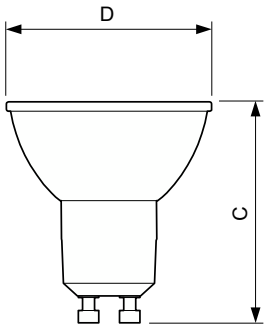
Application Conditions

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

Product Data

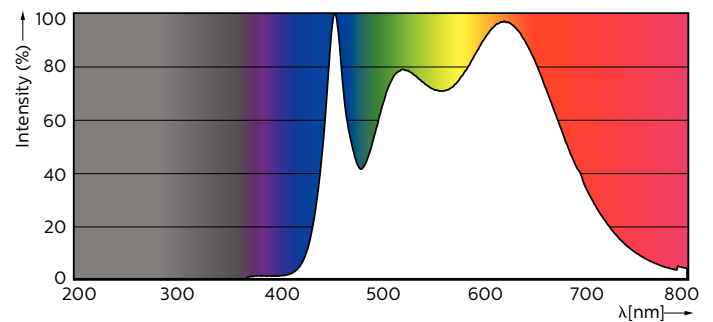
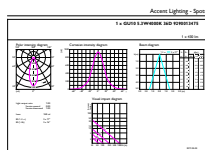
| | |
|---------------------------------|---|
| Order product name | MAS LED ExpertColor 5.5-50W GU10 940 36D |
| Full product name | MASTER LED ExpertColor 5.5-50W GU10 940 36D |
| Full product code | 871869670771500 |
| Order code | 70771500 |
| Material Nr. (12NC) | 929001347502 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 8718696707715 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 8718696707722 |

Dimensional drawing



| Product | D | C |
|--|-------|-------|
| MAS LED ExpertColor 5.5-50W GU10 940 36D | 50 mm | 54 mm |

Photometric data

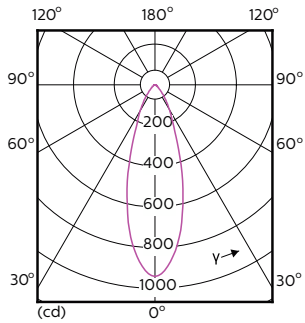


Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 36D

Spectral Power Distribution Colour - MAS LED ExpertColor 5.5-50W GU10 940 36D

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Photometric data



Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D



Lumen Maintenance Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

