



MASTER LEDspot ExpertColor MV

MASTER LED ExpertColor 3.9-35W GU10 940 25D

MASTER LEDspot MV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates ambience with superior lighting that has a customised spectrum, high CRI and deep dimming features. The result? A beautiful lighting experience. What’s more, the innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. In addition, you can take advantage of the full ExpertColor family, which also includes LEDspot LV lamps.

Product data

| General Information | |
|--|--------------------|
| Cap base | GU10 |
| Nominal lifetime | 40,000 h |
| Switching Cycle | 50,000 |
| Lighting Technology | LED |
| Flux measurement reference | Narrow Cone |
| Light Technical | |
| Colour Code | 940 [CCT of 4000K] |
| Beam angle (nom.) | 25 degree(s) |
| Luminous Flux | 300 lm |
| Luminous intensity (nom.) | 850 cd |
| Colour designation | Cool White (CW) |
| Correlated Colour Temperature (Nom) | 4000 K |
| Luminous efficacy (rated) (nom.) | 76 lm/W |
| Colour consistency | <3 |
| Colour rendering index (CRI) | 97 |
| LLMF at end of nominal lifetime (nom.) | 70 % |

| Luminous flux in 90° cone (rated) | 300 lm |
|--|-------------|
| Photobiological safety according to EN 62471 | RG1 |
| Operating and Electrical | |
| Line Frequency | 50 to 60 Hz |
| Input frequency | 50 to 60 Hz |
| Power Consumption | 3.9 W |
| Lamp current (nom.) | 22 mA |
| Wattage equivalent | 35 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.) | 56 °C |

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Controls and Dimming

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

Mechanical and Housing

| | |
|--------------------|----------|
| Lamp Finish | Clear |
| Bulb material | Glass |
| Bulb shape | PAR16 |
| Net Weight (Piece) | 0.038 kg |

Approval and Application

| | |
|------------------------------------|--------|
| Energy Efficiency Class | F |
| Suitable for accent lighting | Yes |
| Energy consumption kWh/1,000 hours | 4 kWh |
| EPREL Registration Number | 391829 |
| CE mark | Yes |
| EU RoHS compliant | Yes |
| EyeComfort | Yes |
| Flickering value (PstLM) | 1 |
| Stroboscopic effect | 0.4 |

| | |
|---------------------------|---------------|
| Ambient temperature range | -20 to +45 °C |
|---------------------------|---------------|

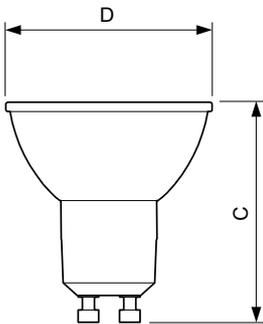
Application Conditions

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

Product Data

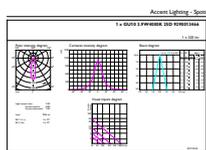
| | |
|---------------------------------|---|
| Order product name | MAS LED ExpertColor 3.9-35W GU10 940 25D |
| Full product name | MASTER LED ExpertColor 3.9-35W GU10 940 25D |
| Full EOC | 871869670753100 |
| Order code | 70753100 |
| Material no. (12 NC) | 929001346602 |
| Numerator – quantity per pack | 1 |
| EAN/UPC – Product/Case | 8718696707531 |
| Numerator – packs per outer box | 10 |
| EAN/UPC - Case | 8718696707548 |

Dimensional drawing

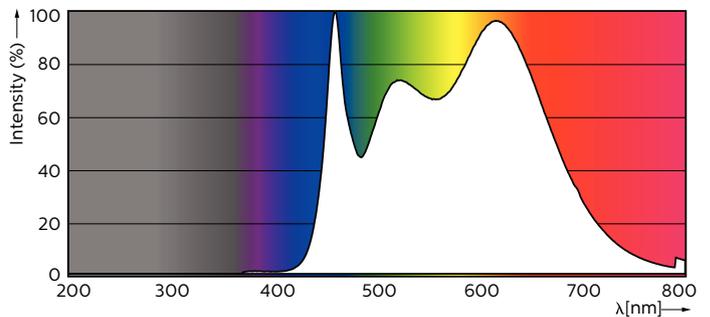


| Product | D | C |
|--|-------|-------|
| MAS LED ExpertColor 3.9-35W GU10 940 25D | 50 mm | 54 mm |

Photometric data



Source Information E1 Photo Lighting E1 Page 107

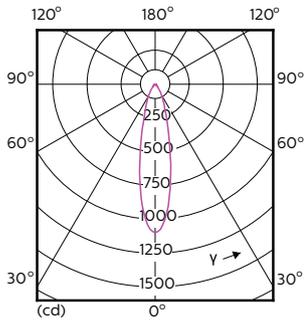


Accent Lighting Spots - MAS LED ExpertColor 3.9-35W GU10 940 25D

Spectral Power Distribution Colour - MAS LED ExpertColor 3.9-35W GU10 940 25D

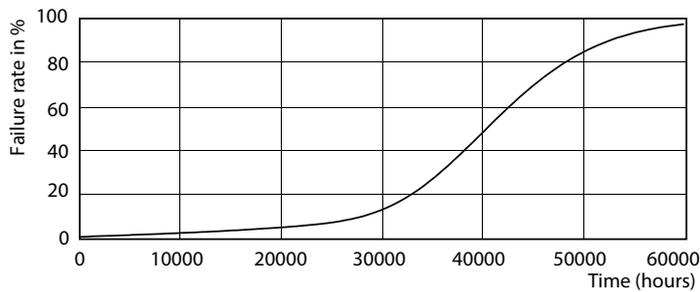
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Photometric data

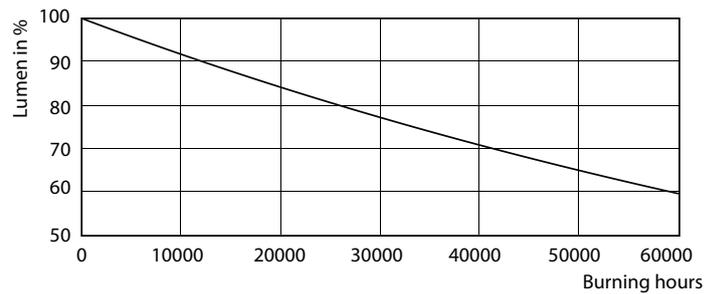


Light Distribution Diagram - MAS LED ExpertColor 3.9-35W GU10 940 25D

Lifetime



40K LED



Lumen Maintenance Diagram - MAS LED ExpertColor 3.9-35W GU10 940 25D

