



# MASTER LEDspot ExpertColor LV

## MASTER LED ExpertColor 6.5-35W MR16 940 10D

MASTER LEDspot LV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customised spectrum, high CRI and deep dimming feature. The result? A beautiful lighting experience. What's more, the innovative, trimless lens design will 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 MV lamps.

### Product data

| General Information                    |                    |
|--|--------------------|
| Cap base                               | GU5.3 [GU5.3]      |
| Nominal lifetime                       | 40,000 h           |
| Switching Cycle                        | 50,000             |
| Lighting Technology                    | LED                |
| EU RoHS compliant                      | Yes                |
| Light Technical                        |                    |
| Colour Code                            | 940 [CCT of 4000K] |
| Beam angle (nom.)                      | 10 degree(s)       |
| Luminous Flux                          | 440 lm             |
| Luminous intensity (nom.)              | 5,000 cd           |
| Colour designation                     | Cool White (CW)    |
| Correlated Colour Temperature          | 4000 K             |
| Luminous efficacy (rated) (nom.)       | 67.69 lm/W         |
| Colour consistency                     | <3                 |
| Colour rendering index (CRI)           | 97                 |
| LLMF at end of nominal lifetime (nom.) | 70 %               |

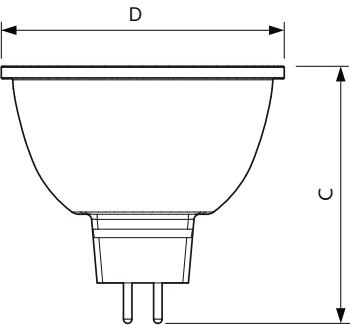
| Luminous flux in 90° cone (rated) | 440 lm             |
|-----------------------------------|--------------------|
| Operating and Electrical          |                    |
| Line Frequency                    | - Hz               |
| Input frequency                   | - Hz               |
| Power Consumption                 | 6.5 W              |
| Lamp current (nom.)               | 800 mA             |
| Wattage equivalent                | 35 W               |
| Starting time (nom.)              | 0.5 s              |
| Warm-up time to 60% light         | 0.5 s              |
| Power Factor (Fraction)           | 0.7                |
| Voltage (nom.)                    | ac electronic 12 V |
| Temperature                       |                    |
| T-Case maximum (nom.)             | 90 °C              |

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|                                    |  |
|------------------------------------|--|
| Controls and Dimming               |  |
| Dimmable                           | Yes                                      |
| Mechanical and Housing             |  |
| Bulb shape                         | MR16 [2 inch/50 mm]                      |
| Approval and Application           |  |
| Suitable for accent lighting       | Yes                                      |
| Energy consumption kWh/1,000 hours | 8 kWh                                    |
| EyeComfort                         | Yes                                      |
| Product Data                       |  |
| Order product name                 | MAS LED ExpertColor 6.5-35W MR16 940 10D |

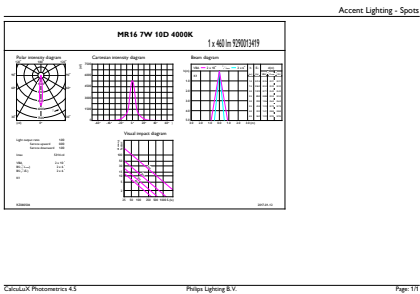
|                                   |   |
|-----------------------------------|---|
| Full product name                 | MASTER LED ExpertColor 6.5-35W MR16 940 10D |
| Full EOC                          | 871869673875700                             |
| Order code                        | 73875700                                    |
| Material no. (12 NC)              | 929001341902                                |
| SAP numerator – quantity per pack | 1   |
| EAN/UPC – Product/Case            | 8718696738757                               |
| Numerator – packs per outer box   | 10  |
| EAN/UPC – Case                    | 8718696738764                               |

Dimensional drawing

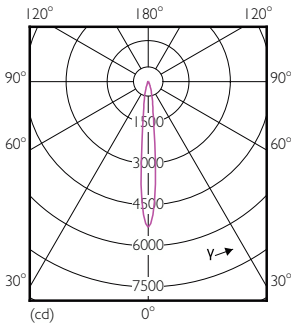


| Product                                  | D     | C     |
|--|-------|-------|
| MAS LED ExpertColor 6.5-35W MR16 940 10D | 51 mm | 46 mm |

Photometric data



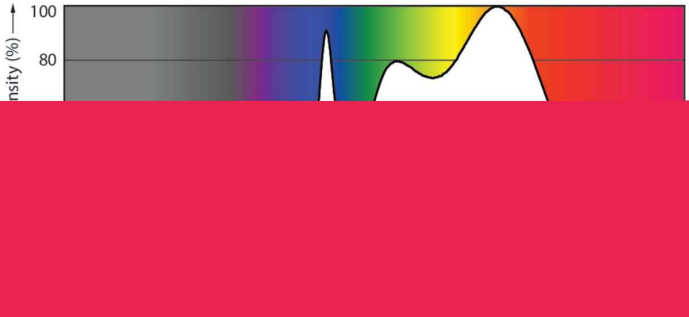
Accent Lighting Spots - MAS LED ExpertColor 6.5-35W MR16 940 10D



Light Distribution Diagram - MAS LED ExpertColor 6.5-35W MR16 940 10D

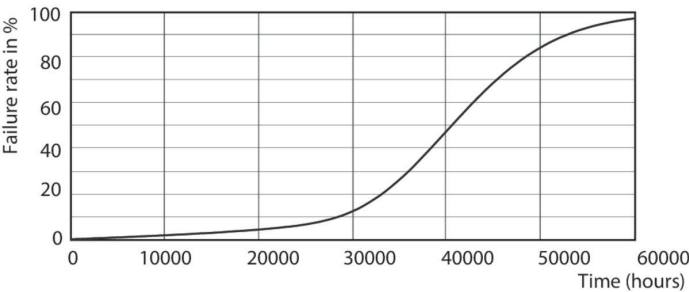
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## Photometric data

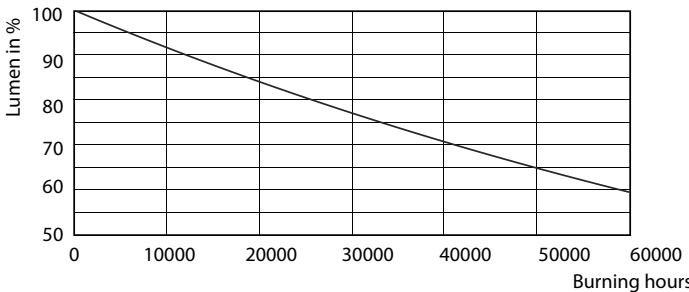


Spectral Power Distribution Colour - MAS LED ExpertColor 6.5-35W MR16 940 10D

## Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 6.5-35W MR16 940 10D



Lumen Maintenance Diagram - MAS LED ExpertColor 6.5-35W MR16 940 10D

