



# MASTER LEDspot ExpertColor LV

## MASTER LED ExpertColor 7.5–43W MR16 940 24D

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

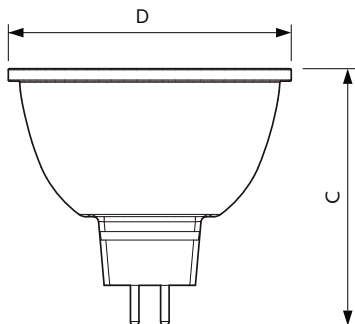
| General Information              |                    |
|----------------------------------|--------------------|
| Cap base                         | GU5.3              |
| Nominal lifetime                 | 40,000 h           |
| Switching Cycle                  | 50,000             |
| Lighting Technology              | LED                |
| Flux measurement reference       | Narrow Cone        |
| CE mark                          | Yes                |
| EU RoHS compliant                | Yes                |
| Light Technical                  |                    |
| Colour Code                      | 940 [CCT of 4000K] |
| Beam angle (nom.)                | 24 degree(s)       |
| Luminous Flux                    | 520 lm             |
| Luminous intensity (nom.)        | 2,800 cd           |
| Colour designation               | Cool White (CW)    |
| Correlated Colour Temperature    | 4000 K             |
| Luminous efficacy (rated) (nom.) | 69.00 lm/W         |
| Colour consistency               | <3                 |

| Colour rendering index (CRI)                 | 92                 |
|----------------------------------------------|--------------------|
| LLMF at end of nominal lifetime (nom.)       | 70 %               |
| Luminous flux in 90° cone (rated)            | 520 lm             |
| Photobiological safety according to EN 62471 | RG1                |
| Operating and Electrical                     |                    |
| Line Frequency                               | - Hz               |
| Input frequency                              | - Hz               |
| Power Consumption                            | 7.5 W              |
| Lamp current (nom.)                          | 720 mA             |
| Wattage equivalent                           | 43 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 |

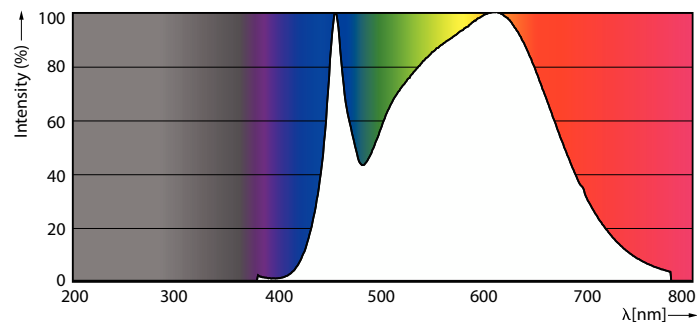
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|                                     |                            |
|-------------------------------------|----------------------------|
| <b>Temperature</b>                  |                            |
| T-Case maximum (nom.)               | 93 °C                      |
| <b>Controls and Dimming</b>         |                            |
| Dimmable                            | Only with specific dimmers |
| <b>Mechanical and Housing</b>       |                            |
| Bulb shape                          | MR16                       |
| <b>Approval and Application</b>     |                            |
| Energy Efficiency Class             | G                          |
| Suitable for accent lighting        | Yes                        |
| Energy consumption kWh/1,000 hours  | 8 kWh                      |
| EPREL registration number           | 624212                     |
| EyeComfort                          | Yes                        |
| <b>Application Conditions</b>       |                            |
| Can it be used in closed luminaires | No                         |

## Dimensional drawing



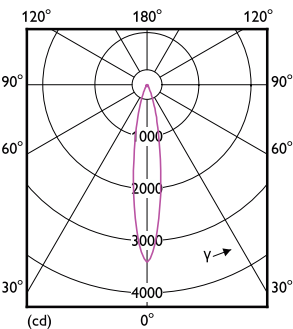
## Photometric data



Spectral Power Distribution Colour - MAS LED ExpertColor 7.5-43W MR16 940 24D

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| <b>Product Data</b>               |                                             |
| Order product name                | MAS LED ExpertColor 7.5-43W MR16 940 24D    |
| Full product name                 | MASTER LED ExpertColor 7.5-43W MR16 940 24D |
| Full EOC                          | 871951435869000                             |
| Order code                        | 35869000                                    |
| Material no. (12 NC)              | 929003079902                                |
| SAP numerator – quantity per pack | 1                                           |
| EAN/UPC – Product/Case            | 8719514358690                               |
| Numerator – packs per outer box   | 10                                          |
| EAN/UPC - Case                    | 8719514358706                               |

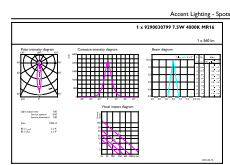
| Product                                  | D       | C     |
|------------------------------------------|---------|-------|
| MAS LED ExpertColor 7.5-43W MR16 940 24D | 50.5 mm | 46 mm |



Light Distribution Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

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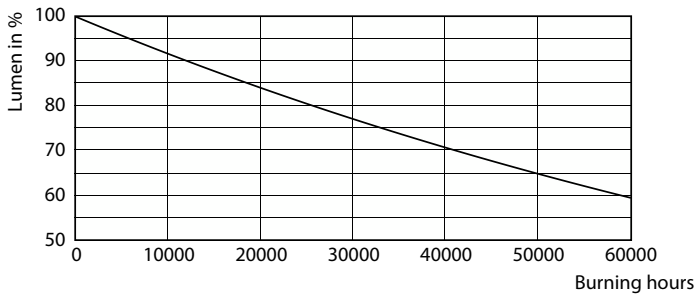
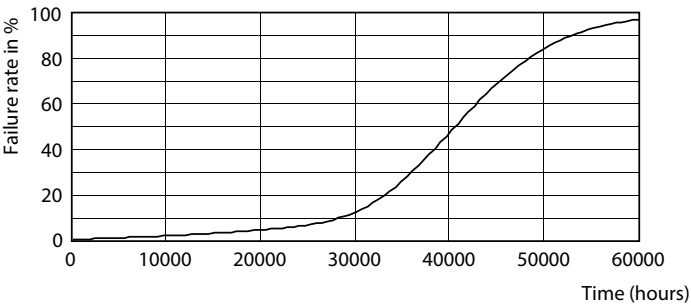
## Photometric data



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### Accent Lighting Spots - MAS LED ExpertColor 7.5-43W MR16 940 24D

## Lifetime



### Life Expectancy Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

### Lumen Maintenance Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

