



# Essential LEDspot MR16

## ESS LED MR16 4.5-50W 36D 865 100-240V

Essential LEDspots MR16 are compatible with most existing fixtures with a GU5.3 socket and are designed as a retrofit replacement for halogen spots. Essential LEDspots MR16 deliver significant energy savings and minimize initial investment.

### Product data

| General Information                   |                    |
|---------------------------------------|--------------------|
| Cap-Base                              | GU5.3 [GU5.3]      |
| Nominal lifetime                      | 15,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LED                |
| EU RoHS compliant                     | Yes                |
| Light Technical                       |                    |
| Color Code                            | 865 [CCT of 6500K] |
| Beam Angle (Nom)                      | 36 degree(s)       |
| Luminous Flux                         | 400 lm             |
| Luminous Intensity (Nom)              | 750 cd             |
| Color Designation                     | Cool Daylight      |
| Correlated Color Temperature (Nom)    | 6500 K             |
| Luminous Efficacy (rated) (Nom)       | 88.89 lm/W         |
| Color Consistency                     | <6                 |
| Color rendering index (CRI)           | 80                 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               |
| Operating and Electrical              |                    |
| Line Frequency                        | 50 to 60 Hz        |

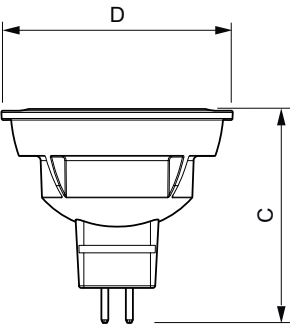
| Input Frequency              | 50 to 60 Hz       |
|------------------------------|-------------------|
| Power Consumption            | 4.5 W             |
| Lamp Current (Nom)           | 80 mA             |
| Wattage Equivalent           | 50 W              |
| Starting Time (Nom)          | 0.5 s             |
| Warm-up time to 60% light    | 1 s               |
| Power Factor (Fraction)      | 0.4               |
| Voltage (Nom)                | 100-240 V         |
| Temperature                  |                   |
| T-Case Maximum (Nom)         | 90 °C             |
| Controls and Dimming         |                   |
| Dimmable                     | No                |
| Mechanical and Housing       |                   |
| Bulb Shape                   | MR16 [2inch/50mm] |
| Approval and Application     |                   |
| Suitable For Accent Lighting | Yes               |

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|                               |                                       |
|-------------------------------|---------------------------------------|
| Energy Consumption kWh/1000 h | 5 kWh                                 |
| Product Data                  |                                       |
| Order product name            | ESS LED MR16 4.5-50W 36D 865 100-240V |
| Full product name             | ESS LED MR16 4.5-50W 36D 865 100-240V |
| Full product code             | 871869668572300                       |
| Order code                    | 929001274808                          |

|                                 |               |
|---------------------------------|---------------|
| Material Nr. (12NC)             | 929001274808  |
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696685723 |
| Numerator - Packs per outer box | 10            |
| EAN/UPC - Case                  | 8718696685730 |

Dimensional drawing

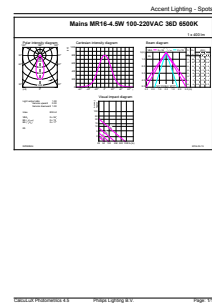


| Product                               | D     | C     |
|---------------------------------------|-------|-------|
| ESS LED MR16 4.5-50W 36D 865 100-240V | 51 mm | 49 mm |

Photometric data



Spectral Power Distribution Colour - ESS LED MR16 4.5-50W 36D 865 100-240V

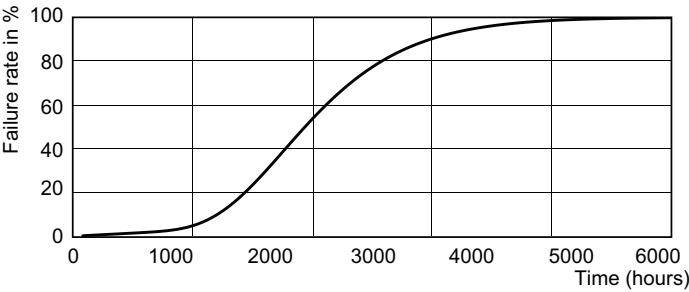


General uniform lighting - ESS LED MR16 4.5-50W 36D 865 100-240V

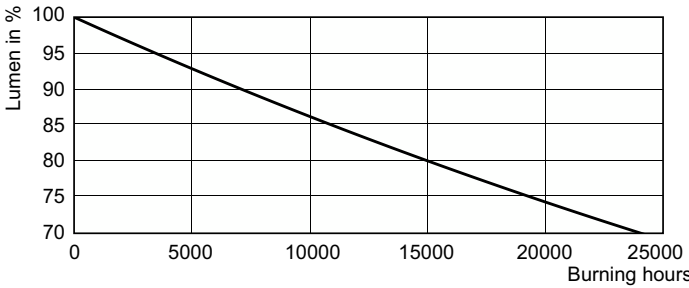
Light Distribution Diagram - ESS LED MR16 4.5-50W 36D 865 100-240V

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Lifetime



Life Expectancy Diagram - ESS LED MR16 4.5-50W 36D 865 100-240V



Lumen Maintenance Diagram - ESS LED MR16 4.5-50W 36D 865 100-240V

