



# **Essential LEDspot MR16**

# LED spot 5-50W 120D 2700K 220V

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                      | 10,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LED                |
| EU RoHS compliant                     | Yes                |
|                                       |                    |
| Light Technical                       |                    |
| Color Code                            | 727 [CCT of 2700K] |
| Beam Angle (Nom)                      | 120 degree(s)      |
| Luminous Flux                         | 400 lm             |
| Color Designation                     | Warm White (WW)    |
| Correlated Color Temperature (Nom)    | 2700 K             |
| Luminous Efficacy (rated) (Nom)       | 80.00 lm/W         |
| Color Consistency                     | <6                 |
| Color rendering index (CRI)           | 70                 |
| 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             | 5 W               |
|-------------------------------|-------------------|
| Lamp Current (Nom)            | 42 mA             |
| Wattage Equivalent            | 50 W              |
| Starting Time (Nom)           | 0.5 s             |
| Warm-up time to 60% light     | 0.5 s             |
| Power Factor (Fraction)       | 0.5               |
| Voltage (Nom)                 | 220 V             |
|                               |                   |
| Temperature                   |                   |
| T-Case Maximum (Nom)          | 70 °C             |
|                               |                   |
| Controls and Dimming          |                   |
| Dimmable                      | No                |
|                               |                   |
| Mechanical and Housing        |                   |
| Bulb Shape                    | MR16 [2inch/50mm] |
|                               |                   |
| Approval and Application      |                   |
| Suitable For Accent Lighting  | No                |
| Energy Consumption kWh/1000 h | 5 kWh             |
|                               |                   |

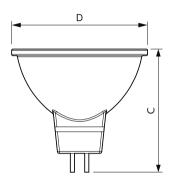
Datasheet, 2023, May 1 data subject to change

# **Essential LEDspot MR16**

| EyeComfort         | Yes                            |  |
|--------------------|--------------------------------|--|
|                    |                                |  |
| Product Data       |                                |  |
| Order product name | LED spot 5-50W 120D 2700K 220V |  |
| Full product name  | LED spot 5-50W 120D 2700K 220V |  |
| Full product code  | 871869679314500                |  |
| Order code         | 79314500                       |  |

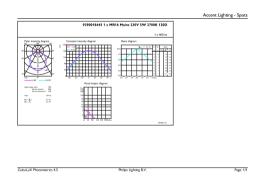
| Material Nr. (12NC)             | 929001844508  |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696793145 |
| Numerator - Packs per outer box | 10            |
| EAN/UPC - Case                  | 8718696793152 |
|                                 |               |

### Dimensional drawing

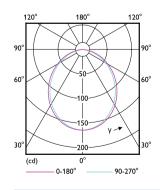


| Product                        | D       | С       |
|--------------------------------|---------|---------|
| LED spot 5-50W 120D 2700K 220V | 50.5 mm | 46.5 mm |

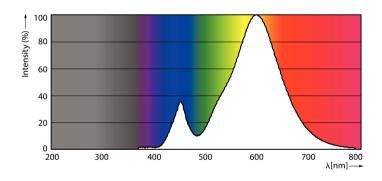
### Photometric data







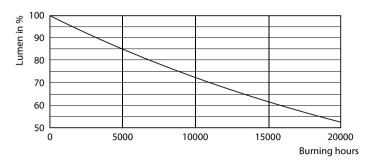
Light Distribution Diagram - LED spot 5-50W 120D 2700K 220V

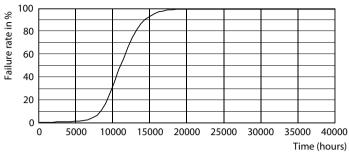


Spectral Power Distribution Colour - LED spot 5-50W 120D 2700K 220V

## **Essential LEDspot MR16**

#### Lifetime





Lumen Maintenance Diagram - LED spot 5-50W 120D 2700K 220V

Life Expectancy Diagram - LED spot 5-50W 120D 2700K 220V



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