



# Essential LEDspot MR16

## ESS LED MR16 3-35W 36D 865 SO 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.

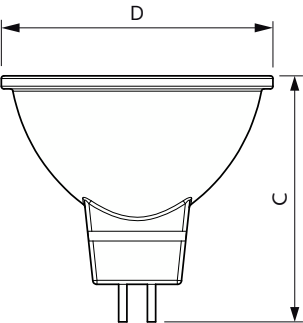
### Product data

| General Information                   |                    |                               |                   |
|---------------------------------------|--------------------|-------------------------------|-------------------|
| Cap-Base                              | GU5.3 [GU5.3]      | Input Frequency               | 50 to 60 Hz       |
| Nominal lifetime                      | 15,000 hour(s)     | Power Consumption             | 3 W               |
| Switching Cycle                       | 50,000             | Wattage Equivalent            | 35 W              |
| Lighting Technology                   | LED                | Starting Time (Nom)           | 0.5 s             |
| EU RoHS compliant                     | Yes                | Warm-up time to 60% light     | 0.5 s             |
|                                       |                    | Power Factor (Fraction)       | 0.4               |
|                                       |                    | Voltage (Nom)                 | 100-240 V         |
| Light Technical                       |                    | Temperature                   |                   |
| Color Code                            | 865 [CCT of 6500K] | T-Case Maximum (Nom)          | 55 °C             |
| Beam Angle (Nom)                      | 36 degree(s)       |                               |                   |
| Luminous Flux                         | 230 lm             | Controls and Dimming          |                   |
| Luminous Intensity (Nom)              | 550 cd             | Dimmable                      | No                |
| Color Designation                     | Cool Daylight      |                               |                   |
| Correlated Color Temperature (Nom)    | 6500 K             | Mechanical and Housing        |                   |
| Luminous Efficacy (rated) (Nom)       | 76.00 lm/W         | Bulb Shape                    | MR16 [2inch/50mm] |
| Color Consistency                     | <6                 |                               |                   |
| Color rendering index (CRI)           | 80                 | Approval and Application      |                   |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               | Suitable For Accent Lighting  | Yes               |
| Operating and Electrical              |                    | Energy Consumption kWh/1000 h | 3 kWh             |
| Line Frequency                        | 50 to 60 Hz        |                               |                   |

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| Product Data        |  |
|---------------------|--|
| Order product name  | ESS LED MR16 3-35W 36D 865 SO 100-240V |
| Full product name   | ESS LED MR16 3-35W 36D 865 SO 100-240V |
| Full product code   | 871869680917400                        |
| Order code          | 929001874308                           |
| Material Nr. (12NC) | 929001874308                           |

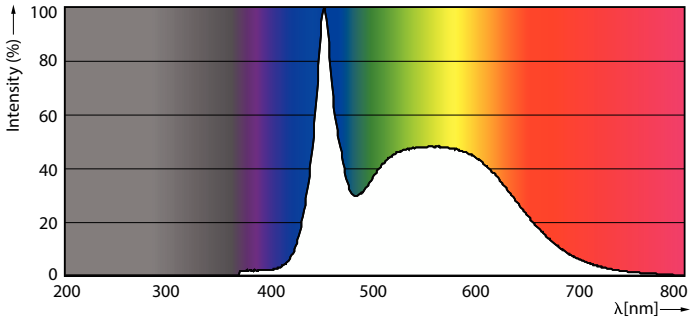
Dimensional drawing



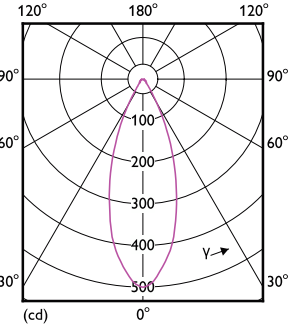
|                                 |               |
|---------------------------------|---------------|
| Numerator - Quantity Per Pack   | 1             |
| EAN/UPC - Product/Case          | 8718696809174 |
| Numerator - Packs per outer box | 10            |
| EAN/UPC - Case                  | 8718696809181 |

| Product                                | D       | C       |
|--|---------|---------|
| ESS LED MR16 3-35W 36D 865 SO 100-240V | 50.5 mm | 46.5 mm |

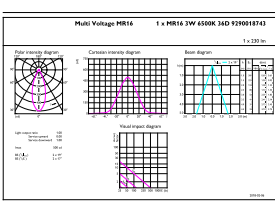
Photometric data



Spectral Power Distribution Colour - ESS LED MR16 3-35W 36D 865 SO 100-240V



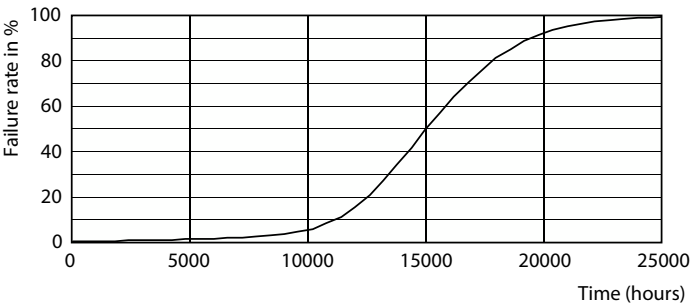
Light Distribution Diagram - ESS LED MR16 3-35W 36D 865 SO 100-240V



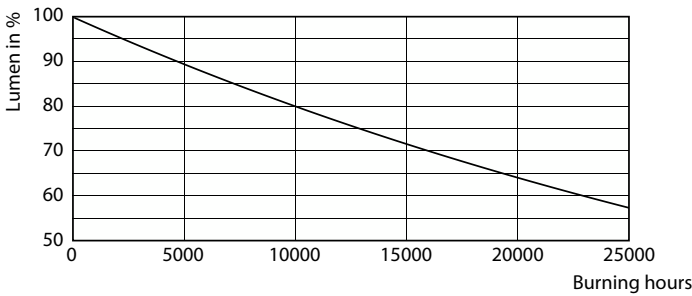
Accent Lighting Spots - ESS LED MR16 3-35W 36D 865 SO 100-240V

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Lifetime



Life Expectancy Diagram - ESS LED MR16 3-35W 36D 865 SO 100-240V



Lumen Maintenance Diagram - ESS LED MR16 3-35W 36D 865 SO 100-240V

