# **PHILIPS** Lighting



# MASTER VALUE LEDs pot LV

# BC3.5MR11/F24/3000 ND 12V

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V Halogen electronic transformers. It also delivers beam intensity which is equivalent to the 50W Philips Halogen MR16 lamps. The form-factor of Philips MASTER Value LED MR16 guarantees a 100% form on the back-side of the lamp (exact form with Halogen lamps.)

#### Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

#### **Product data**

| eneral Information      |                    | Correlated Color Temperature (Nom)    | 3000 K      |
|-------------------------|--------------------|---------------------------------------|-------------|
| p-Base                  | GU4 [GU4]          | Luminous Efficacy (rated) (Nom)       | 61.43 lm/W  |
| ominal lifetime         | 40,000 hour(s)     | Color Consistency                     | <6          |
| vitching Cycle          | 50,000             | Color rendering index (CRI)           | 80          |
| shting Technology       | LED                | LLMF At End Of Nominal Lifetime (Nom) | 70 %        |
| U RoHS compliant        | Yes                | Luminous Flux in 90° Cone (Rated)     | 200 lm      |
|                         |                    |                                       |             |
| ight Technical          |                    | Operating and Electrical              |             |
| olor Code               | 830 [CCT of 3000K] | Line Frequency                        | 50 to 60 Hz |
| eam Angle (Nom)         | 24 degree(s)       | Input Frequency                       | 50 to 60 Hz |
| uminous Flux            | 215 lm             | Power Consumption                     | 3.5 W       |
| uminous Intensity (Nom) | 1,000 cd           | Lamp Current (Nom)                    | 640 mA      |
| Color Designation       | White (WH)         | Wattage Equivalent                    | 20 W        |

## MASTER VALUE LEDspot LV

| Starting Time (Nom)          | 0.5 s                 |  |
|------------------------------|-----------------------|--|
| Warm-up time to 60% light    | instant full light s  |  |
| Power Factor (Fraction)      | 0.5                   |  |
| Voltage (Nom)                | 12 V                  |  |
|                              |                       |  |
| Temperature                  |                       |  |
| T-Case Maximum (Nom)         | 94 ℃                  |  |
|                              |                       |  |
| Controls and Dimming         |                       |  |
| Dimmable                     | No                    |  |
|                              |                       |  |
| Mechanical and Housing       |                       |  |
| Bulb Shape                   | MR11 [1.375inch/35mm] |  |
|                              |                       |  |
| Approval and Application     |                       |  |
| Suitable For Accent Lighting | Yes                   |  |
|                              |                       |  |

| Energy Consumption kWh/1000 h   | 4 kWh                     |  |
|---------------------------------|---------------------------|--|
|                                 |                           |  |
| Product Data                    |                           |  |
| Order product name              | BC3.5MR11/F24/3000 ND 12V |  |
| Full product name               | BC3.5MR11/F24/3000 ND 12V |  |
| Full product code               | 929001123703              |  |
| Order code                      | 929001123703              |  |
| Material Nr. (12NC)             | 929001123703              |  |
| Numerator - Quantity Per Pack   | 1                         |  |
| EAN/UPC - Product/Case          | 046677454159              |  |
| Numerator - Packs per outer box | 6                         |  |
| EAN/UPC - Case                  | 50046677454154            |  |
|                                 |                           |  |

#### Dimensional drawing



| Product                   | D     | с     |
|---------------------------|-------|-------|
| BC3.5MR11/F24/3000 ND 12V | 35 mm | 40 mm |
|                           |       |       |

#### Photometric data



Light Distribution Diagram - BC3.5MR11/F24/3000 ND 12V



Spectral Power Distribution Colour - BC3.5MR11/F24/3000 ND 12V

### MASTER VALUE LEDspot LV



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