# **PHILIPS** Lighting



# **CorePro LEDspot LV**

F A G

# CorePro LED spot ND 7-50W MR16 827 36D

CorePro LEDspots are a perfect fit for spot lighting and deliver warm halogen-like light. They are compatible with most existing fixtures with MR16 GU5.3 holders and are designed as a retrofit replacement for halogen or incandescent spots. LEDlamps deliver huge energy savings and minimize maintenance cost.

#### **Product data**

| General information                    |                    |
|--|--------------------|
| Lighting Technology                    | LED                |
| Flux measurement reference             | Narrow Cone        |
| Switching Cycle                        | 50,000             |
| Nominal lifetime                       | 15,000 h           |
| Cap base                               | GU5.3 [GU5.3]      |
|  |                    |
| Light technical                        |                    |
| Colour Code                            | 827 [CCT of 2700K] |
| Beam angle (nom.)                      | 36 degree(s)       |
| Luminous Flux                          | 621 lm             |
| Luminous intensity (nom.)              | 1,400 cd           |
| Colour designation                     | Warm White (WW)    |
| Correlated Colour Temperature          | 2700 K             |
| Luminous Efficacy (rated) (Nom)        | 88 lm/W            |
| Colour consistency                     | <6                 |
| Colour rendering index (CRI)           | 80                 |
| LLMF at end of nominal lifetime (nom.) | 70 %               |
| Luminous flux in 90° cone (rated)      | 621 lm             |
|  |                    |
| Operating and electrical               |                    |
| Line Frequency                         | - Hz               |
| Input frequency                        | - Hz               |
|  |                    |

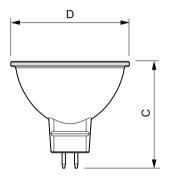
| Power Consumption                  | 7 W                 |
|------------------------------------|---------------------|
| Lamp current (nom.)                | 730 mA              |
| Wattage equivalent                 | 50 W                |
| Starting time (nom.)               | 0.5 s               |
| Warm-up time to 60% light          | 0.5 s               |
| Power Factor (Fraction)            | 0.8                 |
| Voltage (nom.)                     | 12 V                |
|                                    |                     |
| Temperature                        |                     |
| T-Case maximum (nom.)              | 85 ℃                |
|                                    |                     |
| Controls and dimming               |                     |
| Dimmable                           | No                  |
|                                    |                     |
| Mechanical and housing             |                     |
| Bulb shape                         | MR16 [2 inch/50 mm] |
|                                    |                     |
| Approval and application           |                     |
| Energy Efficiency Class            | F                   |
| Suitable for accent lighting       | Yes                 |
| Energy consumption kWh/1,000 hours | 7 kWh               |
| EPREL registration number          | 465221              |
| CE mark                            | Yes                 |
|                                    |                     |

# CorePro LEDspot LV

| EU RoHS compliant                 | Yes                                    |  |
|-----------------------------------|--|--|
|                                   |  |  |
| Product data                      |  |  |
| Full EOC                          | 871869681471000                        |  |
| Order product name                | CorePro LED spot ND 7-50W MR16 827 36D |  |
| Order code                        | 81471000                               |  |
| SAP numerator – quantity per pack | 1                                      |  |

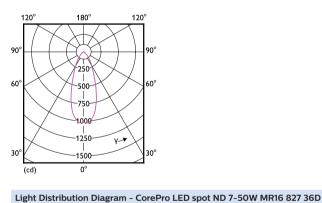
| Numerator – packs per outer box | 10                                     |  |
|---------------------------------|--|--|
| Material number (12NC)          | 929001904802                           |  |
| Full product name               | CorePro LED spot ND 7-50W MR16 827 36D |  |
| EAN/UPC - Case                  | 8718696814727                          |  |

### Dimensional drawing



| Product                                | D       | с     |
|--|---------|-------|
| CorePro LED spot ND 7-50W MR16 827 36D | 50.5 mm | 45 mm |
|  |         |       |

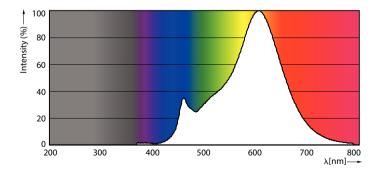
#### Photometric data



Accent Lighting - Spees

CalculuX Photometrics 4.5 Philps Ughting B.V. Page: 1/1

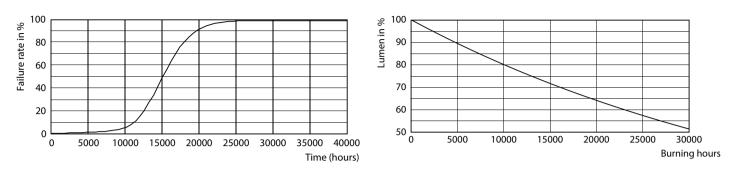
Accent Lighting Spots - CorePro LED spot ND 7-50W MR16 827 36D



Spectral Power Distribution Colour - CorePro LED spot ND 7-50W MR16 827 36D

## CorePro LEDspot LV

#### Lifetime



Life Expectancy Diagram - CorePro LED spot ND 7-50W MR16 827 36D

Lumen Maintenance Diagram - CorePro LED spot ND 7-50W MR16 827 36D



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