



# **CorePro LEDspot LV**



# CorePro LED spot ND 4.4-35W MR16 840 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. CorePro LEDspots deliver huge energy savings and minimize maintenance cost.

#### **Product data**

| General Information                        |                    |
|--|--------------------|
| Cap-Base                                   | GU5.3              |
| Nominal lifetime                           | 15,000 hour(s)     |
| Switching Cycle                            | 50,000             |
| Lighting Technology                        | LED                |
| Flux measurement reference                 | Narrow Cone        |
| CE mark                                    | Yes                |
| EU RoHS compliant                          | Yes                |
|  |                    |
| Light Technical                            |                    |
| Color Code                                 | 840 [CCT of 4000K] |
| Beam Angle (Nom)                           | 36 degree(s)       |
| Luminous Flux                              | 390 lm             |
| Luminous Intensity (Nom)                   | 750 cd             |
| Color Designation                          | Cool White (CW)    |
| Correlated Color Temperature (Nom)         | 4000 K             |
| Luminous Efficacy (rated) (Nom)            | 88.00 lm/W         |
| Color Consistency                          | <6                 |
| Color rendering index (CRI)                | 80                 |
| LLMF At End Of Nominal Lifetime (Nom)      | 70 %               |
| Luminous Flux in 90° Cone (Rated)          | 390 lm             |
| Photobiological safety according to EN 624 | <b>71</b> RG1      |

| Operating and Electrical  Line Frequency - Hz  Input Frequency - Hz  Power Consumption 4.4 W  Lamp Current (Nom) 520 mA  Wattage Equivalent 35 W  Starting Time (Nom) 0.5 s  Warm-up time to 60% light 0.5 s  Power Factor (Fraction) 0.6  Voltage (Nom) ac electronic 12 V  Temperature  T-Case Maximum (Nom) 85 °C  Controls and Dimming  Dimmable No  Mechanical and Housing  Bulb Shape MR16 |  |                    |
|--|--|--------------------|
| Input Frequency - Hz  Power Consumption 4.4 W  Lamp Current (Nom) 520 mA  Wattage Equivalent 35 W  Starting Time (Nom) 0.5 s  Warm-up time to 60% light 0.5 s  Power Factor (Fraction) 0.6  Voltage (Nom) ac electronic 12 V  Temperature  T-Case Maximum (Nom) 85 °C  Controls and Dimming  Dimmable No   | Operating and Electrical                     |                    |
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| Wattage Equivalent 35 W Starting Time (Nom) 0.5 s Warm-up time to 60% light 0.5 s Power Factor (Fraction) 0.6 Voltage (Nom) ac electronic 12 V  Temperature T-Case Maximum (Nom) 85 °C  Controls and Dimming Dimmable No  Mechanical and Housing   | Power Consumption                            | 4.4 W              |
| Starting Time (Nom)  Warm-up time to 60% light  O.5 s  Power Factor (Fraction)  Voltage (Nom)  Temperature  T-Case Maximum (Nom)  85 °C  Controls and Dimming  Dimmable  No  Mechanical and Housing  | Lamp Current (Nom)                           | 520 mA             |
| Warm-up time to 60% light 0.5 s  Power Factor (Fraction) 0.6  Voltage (Nom) ac electronic 12 V  Temperature  T-Case Maximum (Nom) 85 °C  Controls and Dimming Dimmable No  Mechanical and Housing  | Wattage Equivalent                           | 35 W               |
| Power Factor (Fraction)  Voltage (Nom)  Temperature  T-Case Maximum (Nom)  85 °C  Controls and Dimming Dimmable  No  Mechanical and Housing  | Starting Time (Nom)                          | 0.5 s              |
| Voltage (Nom)  ac electronic 12 V  Temperature  T-Case Maximum (Nom)  85 °C  Controls and Dimming Dimmable  No  Mechanical and Housing   | Warm-up time to 60% light                    | 0.5 s              |
| Temperature T-Case Maximum (Nom) 85 °C  Controls and Dimming Dimmable No  Mechanical and Housing   | Power Factor (Fraction)                      | 0.6                |
| T-Case Maximum (Nom) 85 °C  Controls and Dimming Dimmable No  Mechanical and Housing   | Voltage (Nom)                                | ac electronic 12 V |
| T-Case Maximum (Nom) 85 °C  Controls and Dimming Dimmable No  Mechanical and Housing   |  |                    |
| Controls and Dimming Dimmable No  Mechanical and Housing   | Temperature                                  |                    |
| Dimmable No  Mechanical and Housing  | T-Case Maximum (Nom)                         | 85 ℃               |
| Dimmable No  Mechanical and Housing  |  |                    |
| Mechanical and Housing   | Controls and Dimming                         |                    |
|  | Dimmable                                     | No                 |
|  |  |                    |
| Bulb Shape MR16  | Mechanical and Housing                       |                    |
|  | Bulb Shape                                   | MR16               |
|  |  |                    |
| Approval and Application   | Approval and Application                     |                    |
|  | Energy Efficiency Class                      | F                  |
| Energy Efficiency Class F  | Suitable For Accent Lighting                 | Yes                |
| Approval and Application   | Dimmable  Mechanical and Housing  Bulb Shape |                    |
| Energy Efficiency Class F  |  | Yes                |
|  |  |                    |

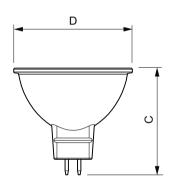
Datasheet, 2024, March 14 data subject to change

## CorePro LEDspot LV

| Energy Consumption kWh/1000 h       | 5 kWh                                |
|-------------------------------------|--------------------------------------|
| EPREL Registration Number           | 421458                               |
| EyeComfort                          | Yes                                  |
|                                     |                                      |
| Application Conditions              |                                      |
| can it be used in closed luminaires | No                                   |
|                                     |                                      |
| Product Data                        |                                      |
| Order product name                  | CorePro LED spot ND 4.4-35W MR16 840 |
|                                     | 36D                                  |
| Full product name                   | CorePro LED spot ND 4.4-35W MR16 840 |
|                                     | 36D                                  |

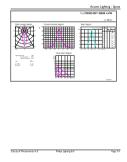
| Full product code               | 871951430708700 |
|---------------------------------|-----------------|
| Order code                      | 929002494702    |
| Material Nr. (12NC)             | 929002494702    |
| Numerator - Quantity Per Pack   | 1               |
| EAN/UPC - Product/Case          | 8719514307087   |
| Numerator - Packs per outer box | 10              |
| EAN/UPC - Case                  | 8719514307094   |
|                                 |                 |

## Dimensional drawing

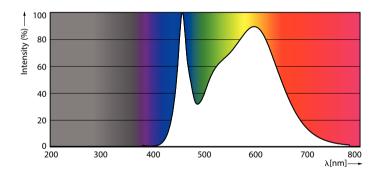


| Product                                  | D       | С       |
|--|---------|---------|
| CorePro LED spot ND 4.4-35W MR16 840 36D | 50.5 mm | 45.5 mm |

## Photometric data



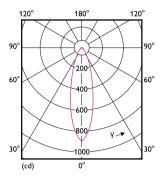
Accent Lighting Spots - CorePro LED spot ND 4.4-35W MR16 840 36D



Spectral Power Distribution Colour - CorePro LED spot ND 4.4-35W MR16 840 36D

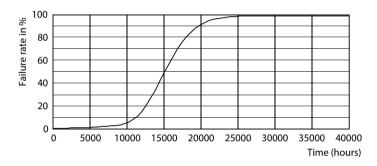
## CorePro LEDspot LV

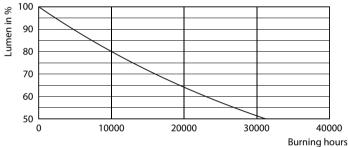
#### Photometric data



Light Distribution Diagram - CorePro LED spot ND 4.4-35W MR16 840 36D

#### Lifetime





Life Expectancy Diagram - CorePro LED spot ND 4.4-35W MR16 840 36D

Lumen Maintenance Diagram - CorePro LED spot ND 4.4-35W MR16 840 36D



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