



# CorePro LEDspot Reflectors

## CoreProLEDspot D8.5-100W R80 E27 827 36D

CorePro LEDspots Reflectors are a perfect fit for spot lighting and deliver warm halogen-like light. They are compatible with most existing fixtures with a GU10 or E27 base and are designed as a retrofit replacement for halogen or incandescent spots. CorePro LEDspots Reflectors deliver significant energy savings and minimize maintenance cost.

### Product data

General Information	
Cap-Base	E27 [E27]
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	827 [CCT of 2700K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	670 lm
Luminous Intensity (Nom)	1,400 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	74.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Luminous Flux in 90° Cone (Rated)	670 lm
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	9 W
Lamp Current (Nom)	48 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	220-240 V

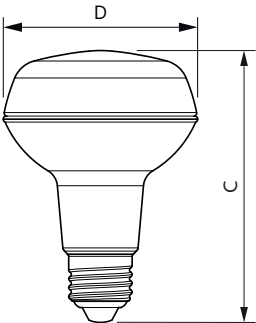
Temperature	
T-Case Maximum (Nom)	80 °C

CorePro LEDspot Reflectors

Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	R80 [R 80mm]
Approval and Application	
Energy Efficiency Class	F
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	9 kWh
EPREL Registration Number	438116
EyeComfort	Yes

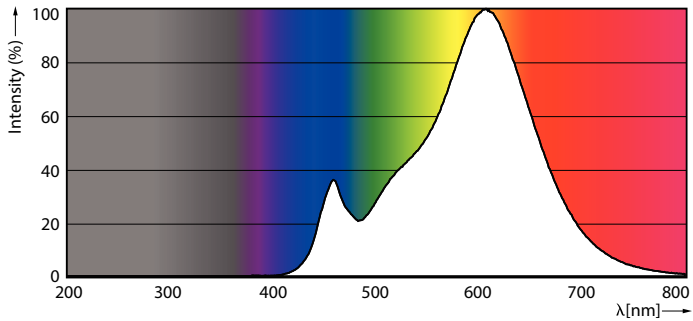
Product Data	
Order product name	CoreProLEDspot D8.5-100W R80 E27 827 36D
Full product name	CoreProLEDspot D8.5-100W R80 E27 827 36D
Full product code	871951431236400
Order code	929002996902
Material Nr. (12NC)	929002996902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514312364
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514312371

Dimensional drawing

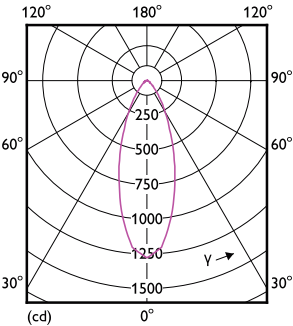


Product	D	C
CoreProLEDspot D8.5-100W R80 E27 827 36D	80 mm	112 mm

Photometric data



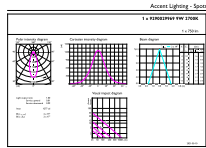
Spectral Power Distribution Colour - CoreProLEDspot D8.5-100W R80 E27 827 36D



Light Distribution Diagram - CoreProLEDspot D8.5-100W R80 E27 827 36D

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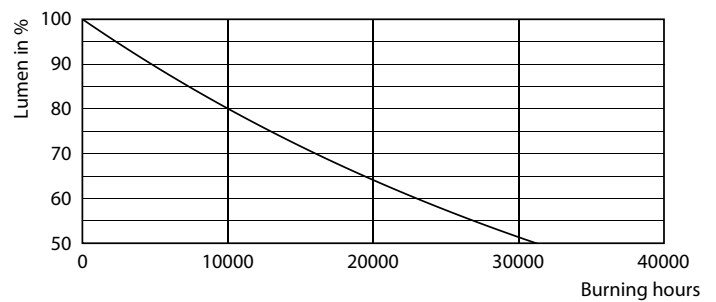
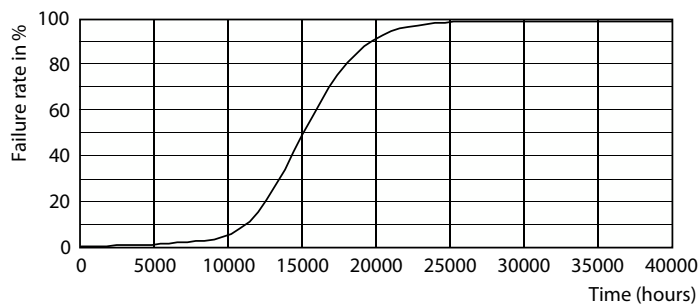
### Photometric data



Calculated Parameters 4.5	Philips Lighting B.V.	Page 51
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**Accent Lighting Spots - CoreProLEDspot D8.5-100W R80 E27 827 36D**

**Lifetime**



Life Expectancy Diagram - CoreProLEDspot D8.5-100W R80 E27 827 36D

**Lumen Maintenance Diagram - CoreProLEDspot D8.5-100W R80 E27 827**  
**36D**

