



CorePro LED spot Reflectors



CoreProLEDspot ND 8-100W R80 E27 827 36D

CorePro, LEDspot, R80, 100 W, E27, 2700 K, 670 lm, CRI 80, 15000 h, Plastic

CorePro LEDspots Reflectors are a perfect fit for spot lighting and deliver warm halogen-like light. They are compatible with most existing fixtures with an E27 or E14 base and are designed as a retrofit replacement for halogen or incandescent spots. CorePro LEDspots Reflectors deliver significant energy savings and minimise maintenance costs.

Product data

General Information		Operating and Electrical	
Cap base	E27	Colour consistency	<6
Nominal lifetime	15,000 h	Colour rendering index (CRI)	80
Switching Cycle	50,000	LLMF at end of nominal lifetime (nom.)	70 %
Lighting Technology	LEDspot	Luminous flux in 90° cone (rated)	670 lm
Flux measurement reference	Narrow Cone		
Warranty period	2 years		
Light Technical			
Colour Code	827 [CCT of 2700K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	36 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	670 lm	Power Consumption	8 W
Luminous intensity (nom.)	1,100 cd	Lamp current (nom.)	55 mA
Colour designation	Warm White (WW)	Wattage equivalent	100 W
Correlated Colour Temperature (Nom)	2700 K	Starting time (nom.)	0.1 s
Luminous efficacy (rated) (nom.)	83.00 lm/W	Warm-up time to 60% light	0.1 s
		Power Factor (Fraction)	0.6
		Voltage (nom.)	220-240 V

CorePro LED spot Reflectors

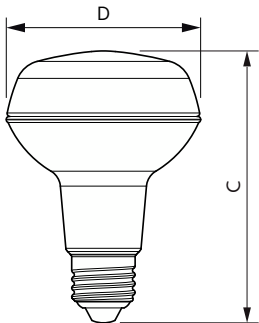
Temperature	
T-Case maximum (nom.)	72 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Bulb material	Plastic
Bulb shape	R80
Net Weight (Piece)	0.144 kg
Approval and Application	
Energy Efficiency Class	F
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	8 kWh
EPREL Registration Number	397646
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes

Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

Application Conditions	
Can it be used in closed luminaires	No
Wireless Technology	Not applicable

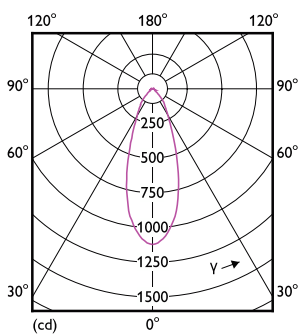
Product Data	
Order product name	CoreProLEDspot ND 8-100W R80 E27 827 36D
Full product name	CoreProLEDspot ND 8-100W R80 E27 827 36D
Full EOC	871869681185600
Order code	929001891602
Material no. (12 NC)	929001891602
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696811856
Numerator – packs per outer box	6
EAN/UPC - Case	8718696811863

Dimensional drawing

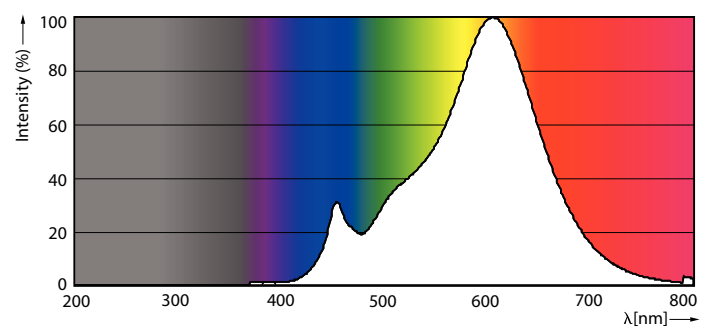


Product	D	C
CoreProLEDspot ND 8-100W R80 E27 827 36D	80 mm	112 mm

Photometric data



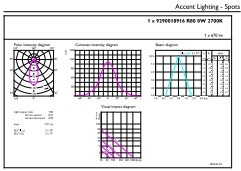
Light Distribution Diagram - CoreProLEDspot ND 8-100W R80 E27 827 36D



Spectral Power Distribution Colour - CoreProLEDspot ND 8-100W R80 E27 827 36D

CorePro LED spot Reflectors

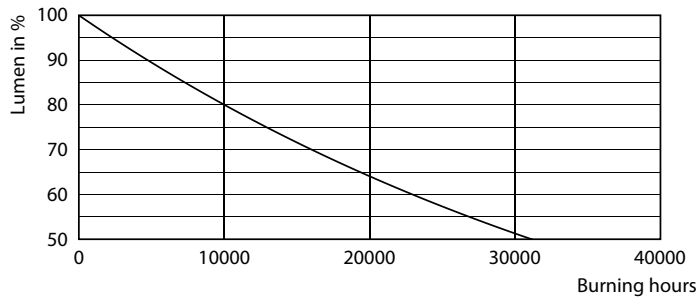
Photometric data



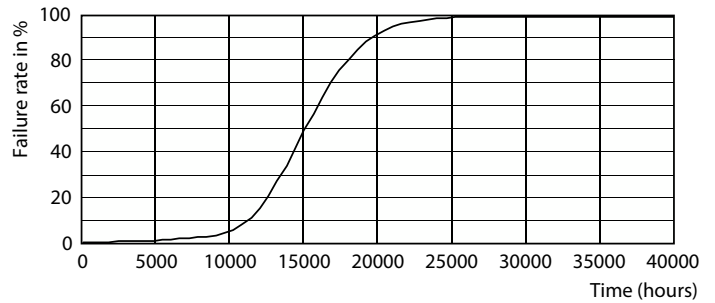
© 2026 Philips Lighting B.V. Philips Lighting B.V. Page 11

Accent Lighting Spots - CoreProLEDspot ND 8-100W R80 E27 827 36D

Lifetime



Lumen Maintenance Diagram - CoreProLEDspot ND 8-100W R80 E27 827 36D



LEDspot CorePro 1.8-30W E14 R39 827 36D ND

