

CorePro LEDspot Reflectors

CoreProLEDspot ND 8-100W 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 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	
Cap base	E27 [E27]
Nominal lifetime	15,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Colour Code	827 [CCT of 2700K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	670 lm
Luminous intensity (nom.)	1,100 cd
Colour designation	Warm White (WW)
Correlated Colour Temperature	2700 K
Luminous efficacy (rated) (nom.)	83.00 lm/W
Colour consistency	<6
Colour 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	0.4

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	8 W
Lamp current (nom.)	55 mA
Wattage equivalent	100 W
Starting time (nom.)	0.1 s
Warm-up time to 60% light	0.1 s
Power Factor (Fraction)	0.6
Voltage (nom.)	220-240 V

Temperature	
T-Case maximum (nom.)	72 °C

CorePro LEDspot Reflectors

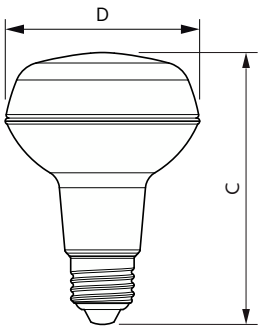
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Lamp Finish	Clear
Bulb shape	R80 [R 80 mm]

Approval and Application	
Energy Efficiency Class	F
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	8 kWh
EPREL registration number	397646
EyeComfort	Yes

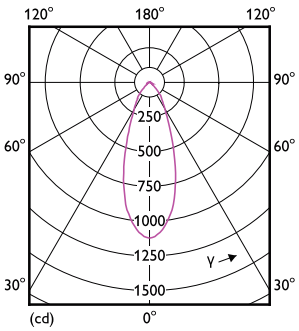
Product Data	
Order product name	CoreProLEDspot ND 8-100W R80 E27 827 36D
Full product name	CoreProLEDspot ND 8-100W R80 E27 827 36D
Full EOC	871869681185600
Order code	81185600
Material no. (12 NC)	929001891602
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696811856
Numerator – packs per outer box	6
EAN/UPC - Case	8718696811863

Dimensional drawing

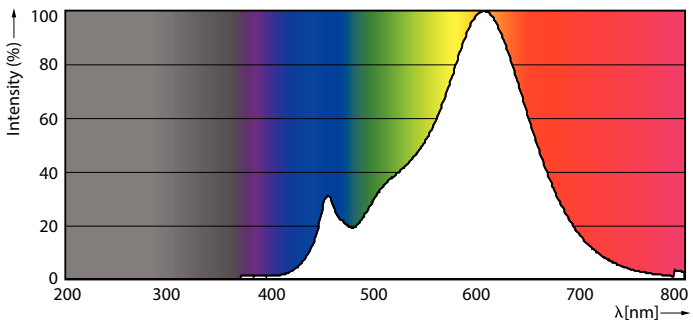


Product	D	C
CoreProLEDspot ND 8-100W R80 E27 827 36D	80 mm	112 mm

Photometric data



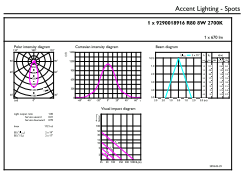
Light Distribution Diagram - CoreProLEDspot ND 8-100W R80 E27 827 36D



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

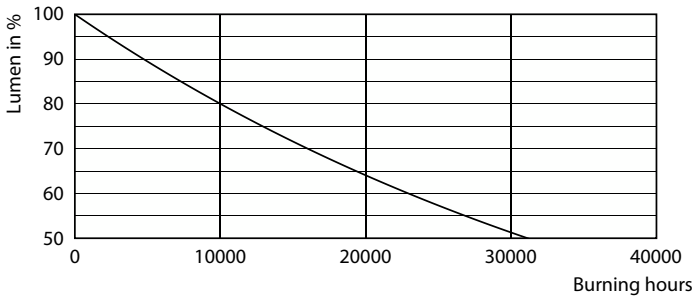
CorePro LEDspot Reflectors

Photometric data

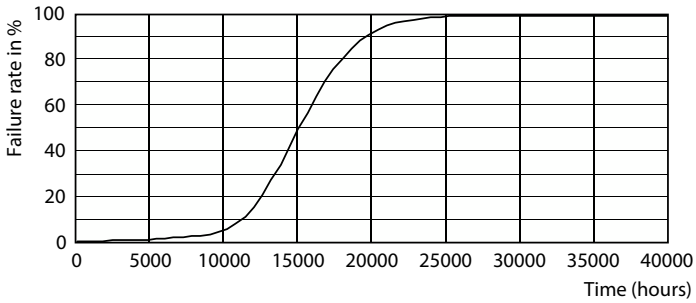


Accent Lighting Spots - CoreProLEDspot ND 8-100W R80 E27 827 36D

Lifetime



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



Life Expectancy Diagram - CoreProLEDspot ND 8-100W R80 E27 827 36D

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.