



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
Nominal lifetime	15,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
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 (Nom)	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

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
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Bulb shape	R80

CorePro LEDspot Reflectors

Net Weight (Piece)	0.144 kg
--------------------	----------

Approval and Application

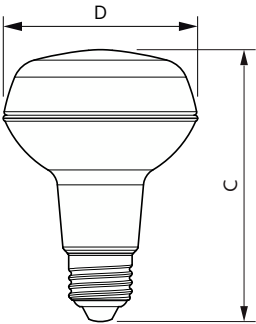
Energy Efficiency Class	F
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	8 kWh
EPREL Registration Number	397646
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4

Application Conditions

Can it be used in closed luminaires	No
-------------------------------------	----

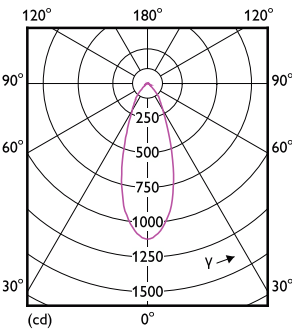
Product Data	
Order product name	CoreProLEDspot ND 8-100W R80 E27 827 36D
Full product name	CoreProLEDspot ND 8-100W R80 E27 827 36D
Full EOC	871869681185600
Order code	81185600
Material no. (12 NC)	929001891602
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696811856
Numerator – packs per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

Dimensional drawing

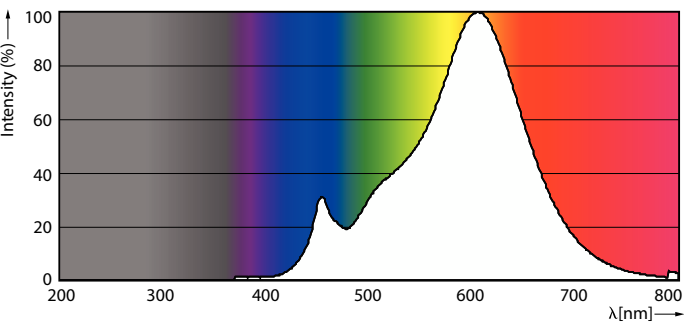


Product	D	C
CoreProLEDspot ND 8-100W R80 E27 827 36D	80 mm	112 mm

Photometric data



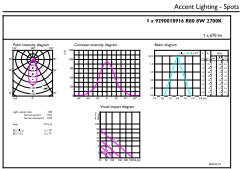
Light Distribution Diagram - CoreProLEDspot ND 8-100W R80 E27 827 36D



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

CorePro LEDspot Reflectors

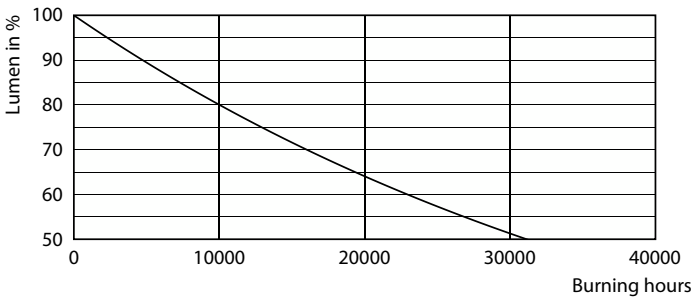
Photometric data



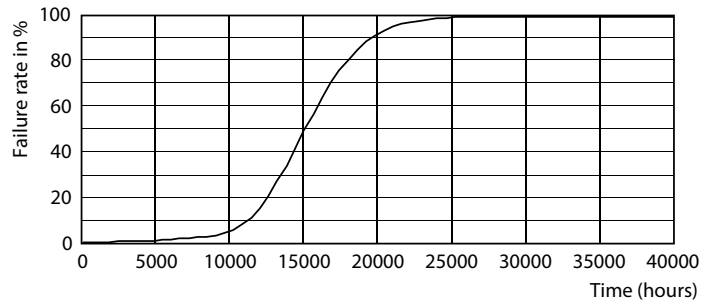
Calculation: Photometric 1.1 Philips Lighting B.V. Page 1/1

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

