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

Light Technical

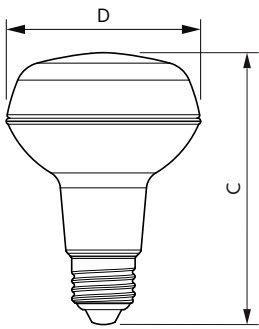|	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	670 lm
Luminous Intensity (Nom)	1,100 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	83.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	670 lm

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

Bulb 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/1000 h	8 kWh
EPREL Registration Number	397646
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4

Application Conditions

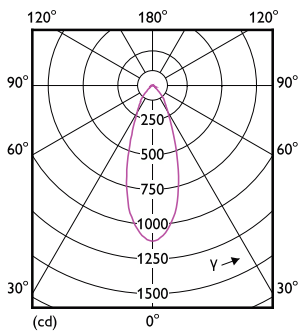|	
can it be used in closed luminaires	No

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 product code	871869681185600
Order code	929001891602
Material Nr. (12NC)	929001891602
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696811856
Numerator – Packs per outer box	6
EAN/UPC – Case	8718696811863

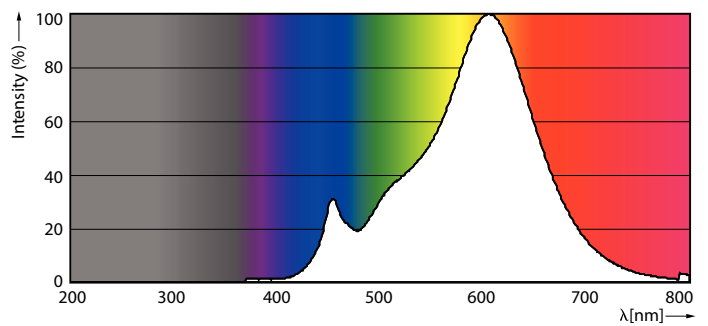## Dimensional drawing

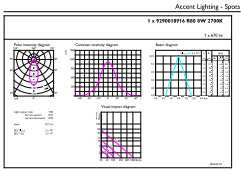| Product	D	C
CoreProLEDspot ND 8-100W R80 E27 827 36D	80 mm	112 mm

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
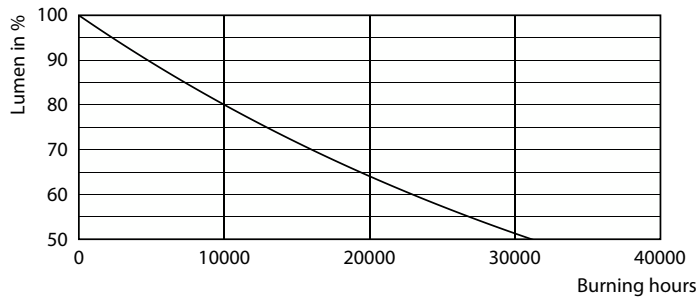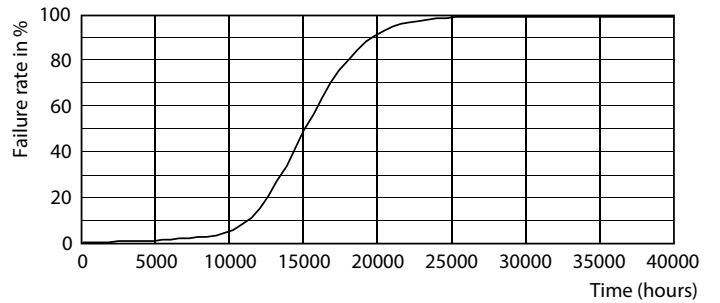
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Photometric data

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

Lifetime

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

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

www.lighting.philips.com

2025, March 17 – data subject to change