CorePro LED linear MV

CorePro R7S 118mm 14-100W 840 D

CorePro, LEDspot, R7S, 100 W, R7s, 4000 K, 1800 lm, CRI 80, 15000 h, Plastic

CorePro R7S is a retrofit replacement for traditional double-ended linear R7S lamps. Its 'light all around' design delivers light that is just like a halogen lamp. Within the range, you can choose dimmable products which have deep a dimming function that enables a cosy ambience when using a dimmable fixture.

Product data

General Information

Cap base	R7s
Nominal lifetime	15,000 h
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Sphere
Warranty period	2 years

Light Technical

Colour Code	840 [CCT of 4000K]
Luminous Flux	1,800 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	128.57 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80

LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical

Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	14 W
Lamp current (nom.)	74 mA
Wattage equivalent	100 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (nom.)	220-240 V

Temperature

T-Case maximum (nom.)	90 ℃

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Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Lamp Finish	Clear
Bulb material	Plastic
Bulb shape	R7S
Net Weight (Piece)	0.095 kg

Approval and Application

Energy Efficiency Class	E
Energy-saving product	Yes
Suitable for accent lighting	No
Energy consumption kWh/1,000 hours	14 kWh
EPREL Registration Number	465217
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM)	1

Stroboscopic effect

Stroboscopic effect	0.4
Ambient temperature range	–20°C to 45°C

Application Conditions

Can it be used in closed luminaires	No

## Product Data

Order product name	CorePro R7S 118mm 14-100W 840 D
Full product name	CorePro R7S 118mm 14-100W 840 D
Full EOC	871869657881000
Order code	929001243802
Material no. (12 NC)	929001243802
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696578810
Numerator – packs per outer box	10
EAN/UPC – Case	8718696578827

Dimensional drawing
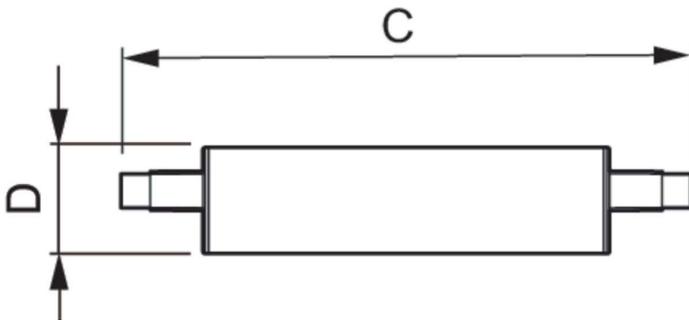
Product	D	C
CorePro R7S 118mm 14-100W 840 D	29 mm	118 mm

Photometric data

Spectral Power Distribution Colour – CorePro R7S 118mm 14-100W 840 D
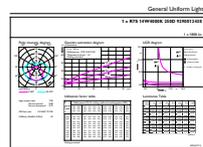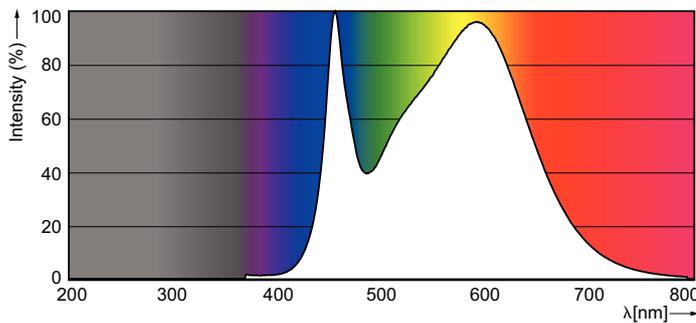
General uniform lighting – CorePro R7S 118mm 14-100W 840 D

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Photometric data
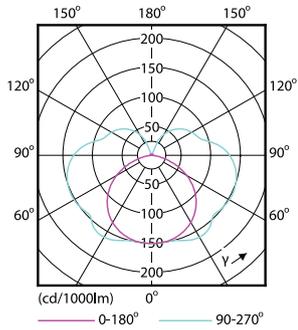
Light Distribution Diagram – CorePro R7S 118mm 14-100W 840 D

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2023, April 16 – data subject to change