PHILIPS

Lighting



CorePro LEDlinear MV



CorePro LED linear R7S 118mm 14-100W 840 D

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 [R7s]
Nominal lifetime	15,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Colour Code	840 [CCT of 4000K]
Luminous Flux	1,800 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	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 %
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	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 °C

Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb shape	Linear

Approval and Application	
Energy Efficiency Class	E
Energy-saving product	Yes
Suitable for accent lighting	No
Energy consumption kWh/1,000 hours	14 kWh

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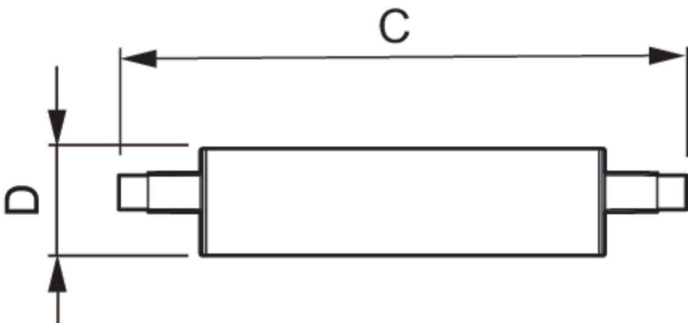
EPREL registration number	465217
EyeComfort	Yes

Material no. (12 NC)	929001243802
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696578810
Numerator – packs per outer box	10
EAN/UPC - Case	8718696578827

Product Data

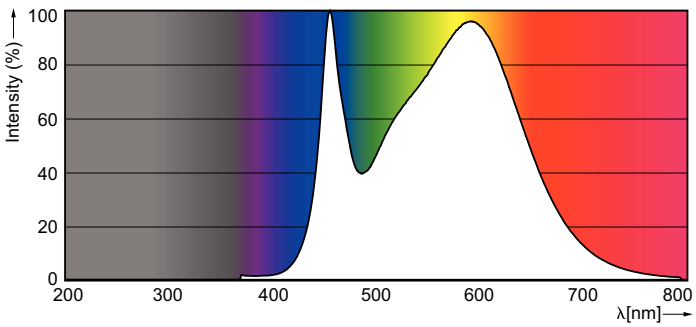
Order product name	CorePro R7S 118mm 14-100W 840 D
Full product name	CorePro LED linear R7S 118mm 14-100W 840 D
Full EOC	871869657881000
Order code	57881000

Dimensional drawing

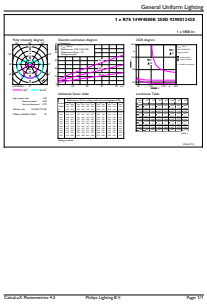


Product	D	C
CorePro R7S 118mm 14-100W 840 D	29 mm	118 mm

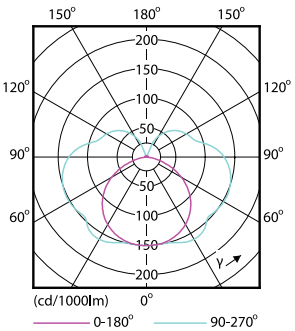
Photometric data



Spectral Power Distribution Colour - CorePro R7S 118mm 14-100W 840 D



General uniform lighting - CorePro R7S 118mm 14-100W 840 D



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



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