PHILIPS Lighting

CorePro LEDlinear MV

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CoreProLED linearD 17.5–150W R7S 118 840

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

Product data

General Information

Cap-Base	R7s
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical

Color Code	840 [CCT of 4000K]
Luminous Flux	2,460 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	140.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	17.5 W
Lamp Current (Nom)	90 mA
Wattage Equivalent	150 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

Temperature

T-Case Maximum (Nom)	102 ℃

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Shape	Linear

Approval and Application

Energy Efficiency Class	D
Suitable For Accent Lighting	No

data subject to change

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Energy Consumption kWh/1000 h	18 kWh		**Full product code**	871869964675200
EPREL Registration Number	397598		**Order code**	929002016702
EyeComfort	Yes		**Material Nr. (12NC)**	929002016702
			Numerator – Quantity Per Pack	1
Application Conditions			**EAN/UPC – Product/Case**	8718699646752
can it be used in closed luminaires	No		**Numerator – Packs per outer box**	10
			EAN/UPC – Case	8718699646769
Product Data				
Order product name	CoreProLED linearD 17.5-150W R7S 118 840			
Full product name	CoreProLED linearD 17.5-150W R7S 118 840			

Dimensional drawing

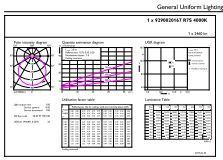| Product	D	C
CoreProLED linearD 17.5-150W R7S 118 840	42 mm	118 mm

Photometric data
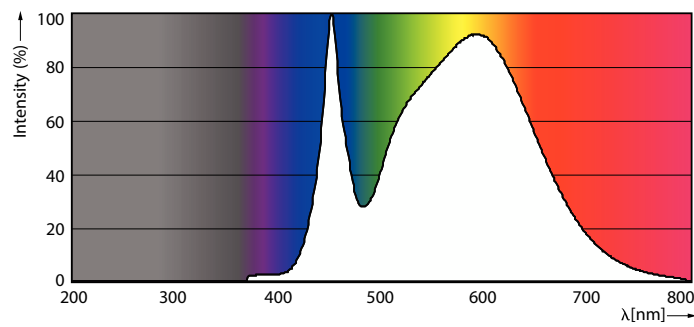
Spectral Power Distribution Colour – CoreProLED linearD 17.5-150W R7S 118 840
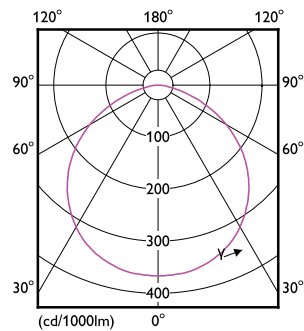
Light Distribution Diagram – CoreProLED linearD 17.5-150W R7S 118 840
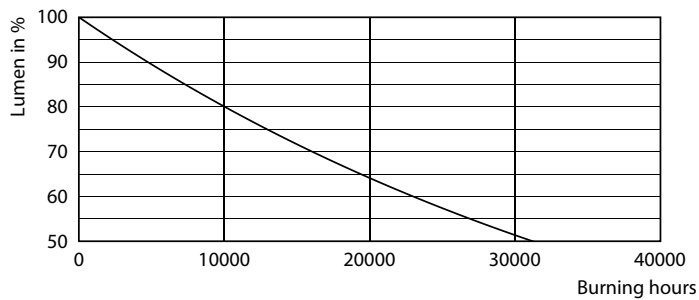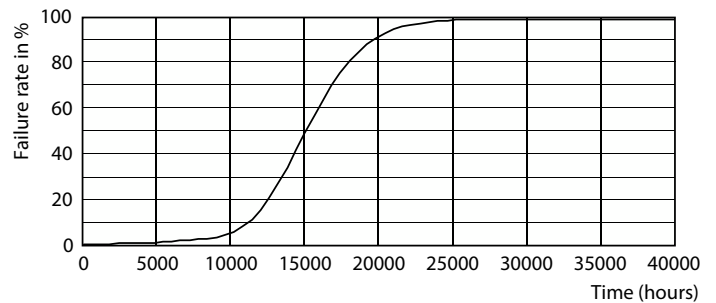
CorePro LEDlinear MV

Photometric data

General uniform lighting – CoreProLED linearD 17.5–150W R7S 118 840

Lifetime

Lumen Maintenance Diagram – CoreProLED linearD 17.5–150W R7S 118 840

Life Expectancy Diagram – CoreProLED linearD 17.5–150W R7S 118 840

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2024, March 15 – data subject to change