Mains-voltage linear R7S with very high light output

CorePro LEDlinear MV

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.

Benefits
• Up to 90% energy saving compared to standard halogen lamps
• Lower maintenance costs

Features
• Easy retrofit
• Operates at 220-240 V AC and its form-factor is designed as a direct retrofit into all double ended holders
• Lifetime of 15,000 hours (B50L70)
• UV- and IR-free light
• Free of mercury and hazardous materials – RoHS compliant

Application
• Living rooms, corridors, outdoor luminaires (security lighting), free floor-standing indoor luminaires, construction lighting
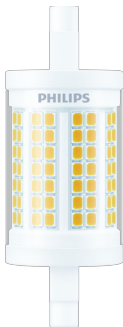
CorePro LEDlinear MV

Versions

 LED Lamps, CorePro 118 mm R7S

 DTE310 3 x 10A Trailing Edge Dimmer Controller

 LED 100W R7S 78mm WH ND SRT4

 LEDlinear CorePro 7,2W R7S

 LEDlinear CorePro 7,2W R7S 1
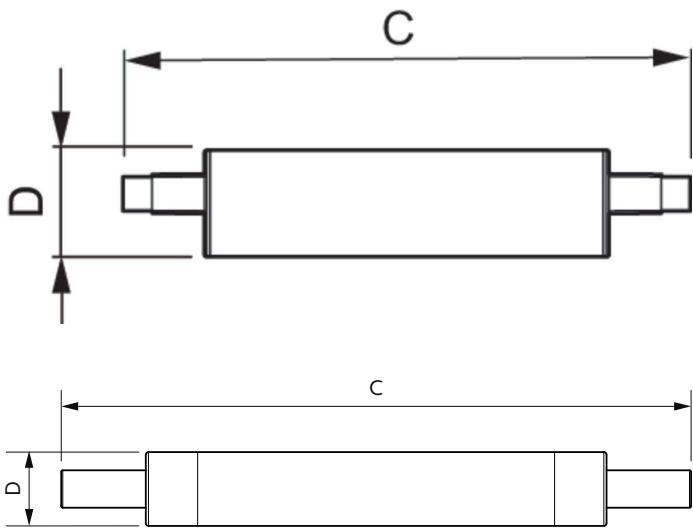
Dimensional drawing
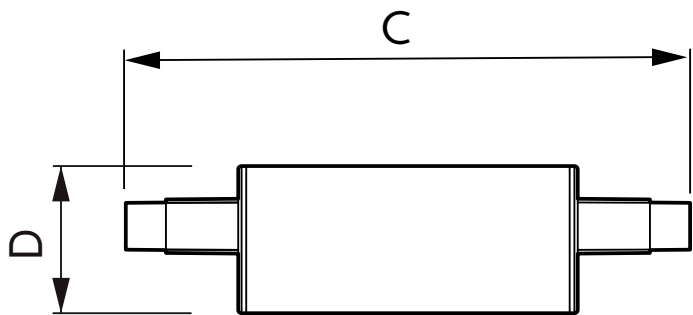
Product	D	C
CorePro LEDlinear ND 7-60W R7S 78mm830	28 mm	78 mm
CorePro LEDlinear ND 7-60W R7S 78mm840	28 mm	78 mm
CorePro LEDlinearND 11.5-100W R7S78mm830	28 mm	78 mm

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Dimensional drawing

Product	D	C
CorePro LED linear D 14–120W R7S 118 830	29 mm	118 mm
CorePro LED linear D 14–120W R7S 118 840	29 mm	118 mm
CorePro R7S 118mm 14–100W 830 D	29 mm	118 mm
CorePro R7S 118mm 14–100W 840 D	29 mm	118 mm
CoreProLED linearD 17.5–150W R7S 118 830	42 mm	118 mm
CoreProLED linearD 17.5–150W R7S 118 840	42 mm	118 mm
LED 14–120W R7S 118mm 830 D 1pk AU	29 mm	118 mm

Product	D	C
CorePro R7S 118mm 7.2–60W 830	15 mm	118 mm
CorePro R7S 118mm 7.2–60W 840	15 mm	118 mm

General Information

Cap–Base	R7s
Nominal lifetime	15,000 hour(s)

Light Technical

Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s

General Information

Order Code	Full Product Name	Rated Lifetime (Hours)	Switching Cycle
929001243702	CorePro R7S 118mm 14–100W 830 D	–	50,000
929001243802	CorePro R7S 118mm 14–100W 840 D	–	50,000
929001353602	CorePro LED linear D 14–120W R7S 118 830	–	50,000
929001353679	LED 14–120W R7S 118mm 830 D 1pk AU	15,000 hour(s)	50,000
929001353702	CorePro LED linear D 14–120W R7S 118 840	–	50,000
929003791502	CorePro LEDlinearND 11.5–100W R7S78mm830	–	50,000

Order Code	Full Product Name	Rated Lifetime (Hours)	Switching Cycle
929002495002	CorePro R7S 118mm 7.2–60W 830	–	8,000
929002016602	CoreProLED linearD 17.5–150W R7S 118 830	–	50,000
929002016702	CoreProLED linearD 17.5–150W R7S 118 840	–	50,000
929003791302	CorePro LEDlinear ND 7–60W R7S 78mm830	–	50,000
929003791402	CorePro LEDlinear ND 7–60W R7S 78mm840	–	50,000

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Order Code	Full Product Name	Rated Lifetime (Hours)	Switching Cycle
929002495102	CorePro R7S 118mm 7.2-60W 840	-	8,000

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
929001243702	CorePro R7S 118mm 14-100W 830 D	-	3000 K	830	1,600 lm
929001243802	CorePro R7S 118mm 14-100W 840 D	-	4000 K	840	1,800 lm
929001353602	CorePro LED linear D 14-120W R7S 118 830	-	3000 K	830	2,000 lm
929001353679	LED 14-120W R7S 118mm 830 D 1pk AU	-	3000 K	830	2,000 lm
929001353702	CorePro LED linear D 14-120W R7S 118 840	-	4000 K	840	2,000 lm
929003791502	CorePro LEDlinearND	300 degree(s)	3000 K	830	1,521 lm

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
	11.5-100W R7S78mm830				
929002495002	CorePro R7S 118mm 7.2-60W 830	-	3000 K	830	810 lm
929002016602	CoreProLED linearD 17.5-150W R7S 118 830	-	3000 K	830	2,460 lm
929002016702	CoreProLED linearD 17.5-150W R7S 118 840	-	4000 K	840	2,460 lm
929003791302	CorePro LEDlinear ND 7-60W R7S 78mm830	300 degree(s)	3000 K	830	950 lm
929003791402	CorePro LEDlinear ND 7-60W R7S 78mm840	300 degree(s)	4000 K	840	1,000 lm
929002495102	CorePro R7S 118mm 7.2-60W 840	-	4000 K	840	850 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929001243702	CorePro R7S 118mm 14-100W 830 D	50 to 60 Hz	14 W	100 W
929001243802	CorePro R7S 118mm 14-100W 840 D	50 to 60 Hz	14 W	100 W
929001353602	CorePro LED linear D 14-120W R7S 118 830	50 to 60 Hz	14 W	120 W
929001353679	LED 14-120W R7S 118mm 830 D 1pk AU	-	14 W	120 W
929001353702	CorePro LED linear D 14-120W R7S 118 840	50 to 60 Hz	14 W	120 W
929003791502	CorePro LEDlinearND 11.5-100W R7S78mm830	-	11.5 W	100 W
929002495002	CorePro R7S 118mm 7.2-60W 830	50 to 60 Hz	7.2 W	60 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929002016602	CoreProLED linearD 17.5-150W R7S 118 830	50 to 60 Hz	17.5 W	150 W
929002016702	CoreProLED linearD 17.5-150W R7S 118 840	50 to 60 Hz	17.5 W	150 W
929003791302	CorePro LEDlinear ND 7-60W R7S 78mm830	-	7 W	60 W
929003791402	CorePro LEDlinear ND 7-60W R7S 78mm840	-	7 W	60 W
929002495102	CorePro R7S 118mm 7.2-60W 840	50 to 60 Hz	7.2 W	60 W

Temperature

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Order Code	Full Product Name	T-Case Maximum (Nom)
929001243702	CorePro R7S 118mm 14-100W 830 D	90 °C
929001243802	CorePro R7S 118mm 14-100W 840 D	90 °C
929001353602	CorePro LED linear D 14-120W R7S 118 830	100 °C
929001353679	LED 14-120W R7S 118mm 830 D 1pk AU	100 °C
929001353702	CorePro LED linear D 14-120W R7S 118 840	100 °C
929003791502	CorePro LEDlinearND 11.5-100W R7S78mm830	104 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929002495002	CorePro R7S 118mm 7.2-60W 830	110 °C
929002016602	CoreProLED linearD 17.5-150W R7S 118 830	102 °C
929002016702	CoreProLED linearD 17.5-150W R7S 118 840	102 °C
929003791302	CorePro LEDlinear ND 7-60W R7S 78mm830	88 °C
929003791402	CorePro LEDlinear ND 7-60W R7S 78mm840	88 °C
929002495102	CorePro R7S 118mm 7.2-60W 840	110 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
929001243702	CorePro R7S 118mm 14-100W 830 D	Only with specific dimmers
929001243802	CorePro R7S 118mm 14-100W 840 D	Only with specific dimmers
929001353602	CorePro LED linear D 14-120W R7S 118 830	Yes
929001353679	LED 14-120W R7S 118mm 830 D 1pk AU	Only with specific dimmers
929001353702	CorePro LED linear D 14-120W R7S 118 840	Yes
929003791502	CorePro LEDlinearND 11.5-100W R7S78mm830	No

Order Code	Full Product Name	Dimmable
929002495002	CorePro R7S 118mm 7.2-60W 830	No
929002016602	CoreProLED linearD 17.5-150W R7S 118 830	Only with specific dimmers
929002016702	CoreProLED linearD 17.5-150W R7S 118 840	Only with specific dimmers
929003791302	CorePro LEDlinear ND 7-60W R7S 78mm830	No
929003791402	CorePro LEDlinear ND 7-60W R7S 78mm840	No
929002495102	CorePro R7S 118mm 7.2-60W 840	No

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001243702	CorePro R7S 118mm 14-100W 830 D	-	Linear
929001243802	CorePro R7S 118mm 14-100W 840 D	-	Linear
929001353602	CorePro LED linear D 14-120W R7S 118 830	-	Linear
929001353679	LED 14-120W R7S 118mm 830 D 1pk AU	Clear	Linear
929001353702	CorePro LED linear D 14-120W R7S 118 840	-	Linear
929003791502	CorePro LEDlinearND 11.5-100W R7S78mm830	Clear	R7S

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929002495002	CorePro R7S 118mm 7.2-60W 830	Clear	Linear
929002016602	CoreProLED linearD 17.5-150W R7S 118 830	-	Linear
929002016702	CoreProLED linearD 17.5-150W R7S 118 840	-	Linear
929003791302	CorePro LEDlinear ND 7-60W R7S 78mm830	Clear	R7S
929003791402	CorePro LEDlinear ND 7-60W R7S 78mm840	Clear	R7S
929002495102	CorePro R7S 118mm 7.2-60W 840	Clear	Linear

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929001243702	CorePro R7S 118mm 14-100W 830 D	-	14 kWh
929001243802	CorePro R7S 118mm 14-100W 840 D	-	14 kWh
929001353602	CorePro LED linear D 14-120W R7S 118 830	-	14 kWh
929001353679	LED 14-120W R7S 118mm 830 D 1pk AU	-20 to +45 °C	14 kWh
929001353702	CorePro LED linear D 14-120W R7S 118 840	-	14 kWh
929003791502	CorePro LEDlinearND 11.5-100W R7S78mm830	-20 to +45 °C	12 kWh
929002495002	CorePro R7S 118mm 7.2-60W 830	-	8 kWh

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
929002016602	CoreProLED linearD 17.5-150W R7S 118 830	-	18 kWh
929002016702	CoreProLED linearD 17.5-150W R7S 118 840	-	18 kWh
929003791302	CorePro LEDlinear ND 7-60W R7S 78mm830	-20 to +45 °C	7 kWh
929003791402	CorePro LEDlinear ND 7-60W R7S 78mm840	-20 to +45 °C	7 kWh
929002495102	CorePro R7S 118mm 7.2-60W 840	-	8 kWh

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(cd/1000lm)   0°

(cd/1000lm)   0°

─── 0-180°   ─── 90-270°

(cd/1000lm)   0°

─── 0-180°   ─── 90-270°

(cd/1000lm)   0°

─── 0-180°   ─── 90-270°

(cd/1000lm)   0°

(cd/1000lm)   0°

(cd/1000lm)   0°

(cd/1000lm)   0°

(cd/1000lm)   0°