

CorePro LEDlinear MV

CorePro LED linear R7S 118mm 14-100W 830 D

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. The deep dimming function enables a cozy ambience when using a dimmable fixture.

Product data

• General Information

Cap-Base	R7S [R7s]
Bulb Shape	Linear
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
B50L70	15000 h
Technical Type	14-100W

• Light Technical

Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	1600 lm
Luminous Flux (Rated) (Nom)	1600 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	114.29 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

• Operating and Electrical

Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	14 W
Lamp Current (Nom)	74 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s

Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.8
Voltage (Nom)	220-240 V

• Temperature

T-Case Maximum (Nom)	90 °C
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• Controls and Dimming

Dimmable	Yes
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• Approval and Application

Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A+
Energy Consumption kWh/1000 h	14 kWh

• Product Data

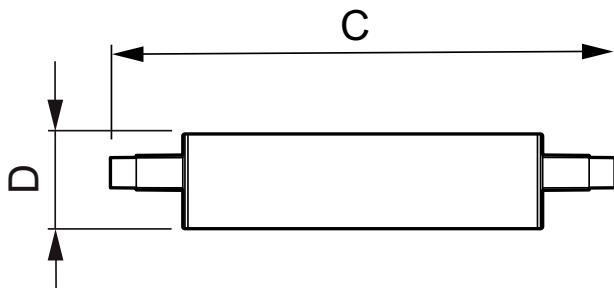
Full product code	871869657879700
Order product name	CorePro LED linear R7S 118mm 14-100W 830 D
EAN/UPC - Product	8718696578797
Order code	929001243702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001243702

PHILIPS

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Net Weight (Piece) 0.095 kg

Dimensional drawing



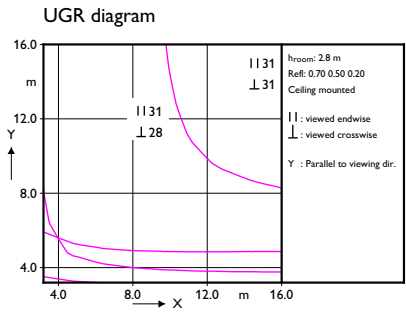
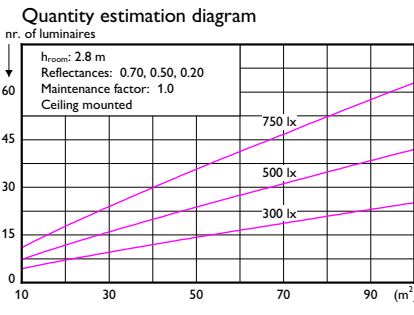
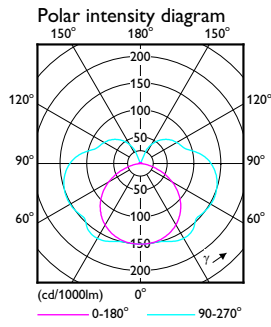
Linear 220V 15W-100W1500lm 3000K R7S Dim

Product	D	C
CorePro LED linear R7S 118mm 14-100W 830 D	29 mm	118 mm

General Uniform Lighting

1 x R7S 14W3000K 250D 9290012437

1 x 1600 lm



Light output ratio 1.00
 Service upward 0.28
 Service downward 0.72
 CIE flux code 32 58 81 72 100
 UGRcen (4Hx8H, 0.25H) 32

Utilisation factor table

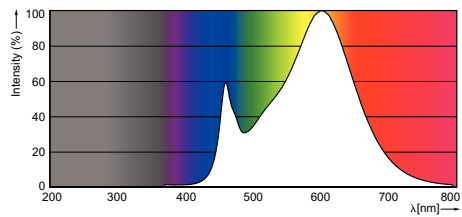
Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.38	0.37	0.37	0.36	0.35	0.27	0.25	0.20	0.23	0.19	0.15	
0.80	0.48	0.45	0.45	0.44	0.43	0.35	0.32	0.27	0.29	0.24	0.20	
1.00	0.55	0.51	0.52	0.50	0.49	0.41	0.37	0.32	0.34	0.29	0.24	
1.25	0.63	0.58	0.59	0.57	0.55	0.47	0.43	0.38	0.39	0.34	0.28	
1.50	0.69	0.63	0.65	0.62	0.60	0.52	0.47	0.42	0.43	0.39	0.32	
2.00	0.78	0.70	0.73	0.70	0.67	0.60	0.54	0.50	0.49	0.45	0.38	
2.50	0.85	0.75	0.79	0.75	0.71	0.65	0.59	0.55	0.54	0.50	0.42	
3.00	0.90	0.78	0.84	0.79	0.75	0.69	0.63	0.59	0.57	0.54	0.45	
4.00	0.96	0.83	0.90	0.84	0.79	0.75	0.68	0.65	0.62	0.59	0.50	
5.00	1.00	0.86	0.94	0.88	0.82	0.78	0.71	0.68	0.65	0.62	0.53	

Ceiling mounted

Luminance Table

Plane	0.0	15.0	30.0	45.0	60.0	75.0	90.0
Plane	45.0	56214	51318	48771	48005	46503	46655
Plane	50.0	53160	48285	45930	45398	44887	46036
Plane	55.0	49331	44849	42921	42782	43573	45994
Plane	60.0	44990	42316	41974	43121	44151	46937
Plane	65.0	38553	39542	41273	43998	45058	48044
Plane	70.0	31270	36424	40487	44874	45949	49131
Plane	75.0	22509	32966	39580	45653	46806	50259
Plane	80.0	13160	29625	38870	46410	47624	51351
Plane	85.0	5079	27892	38570	46941	48296	52384
Plane	90.0	868	28304	39105	47346	48819	53276

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data subject to change