PHILIPS

Lighting



CorePro LEDtube InstantFit HF

CorePro LEDtube HF 600mm 9W865 T8 G

CorePro LEDtube InstantFit HF is an affordable LED solutionsuitable for replacing T8 fluorescent lamps. It provides a natural lighting effect for use in general lightingapplications, as well as instant energy savings – anenvironmentally friendly solution.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X
B50L70	30000 h

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	800 lm
Luminous Flux (Rated) (Nom)	800 lm
Color Designation	Cool Daylight
Rated Beam Angle	240 °
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	89.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Power (Rated) (Nom)	9 W
Lamp Current (Max)	400 mA
Lamp Current (Min)	200 mA
Wattage Equivalent	18 W
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s
Voltage (Nom)	30-80 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

CorePro LEDtube InstantFit HF

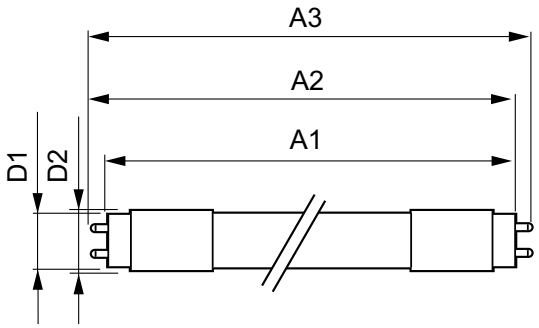
Mechanical and Housing	
Product Length	600 mm

Approval and Application	
Energy Saving Product	Yes
Energy Efficiency Label (EEL)	A
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh

Product Data	
Full product code	871869665219000

Order product name	CorePro LEDtube HF 600mm 9W865 T8 G
EAN/UPC - Product	8718696652190
Order code	929001249602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001249602
Net Weight (Piece)	0.160 kg

Dimensional drawing



CorePro LEDtube HF 600mm 9W865 T8 G

Product	D1	D2	A1	A2	A3
CorePro LEDtube HF 600mm 9W865 T8 G	27.9 mm	28 mm	589.8 mm	595.7 mm	604 mm

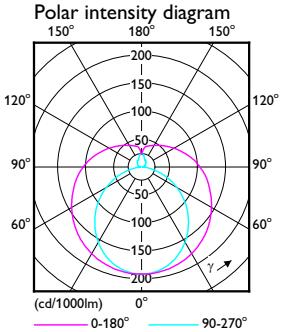
Photometric data

General Uniform Lighting

1 x TLED 9W 6500K 240D 9290012496

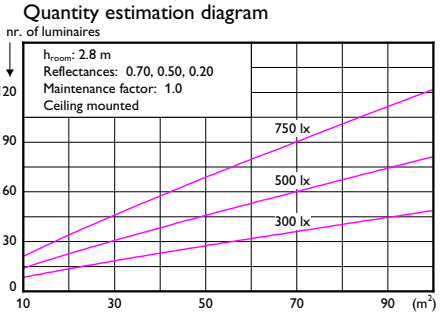
1 x 800 lm

Polar intensity diagram

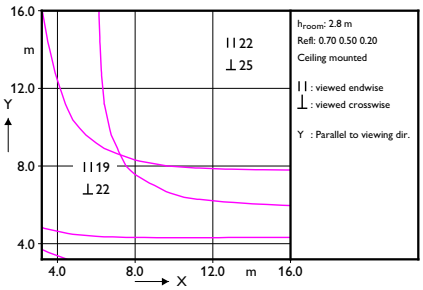


Light output ratio	1.00
Service upward	0.27
Service downward	0.73
CIE flux code	36 64 85 73 100
UGRcen (4Hx8H, 0.25H)	23

Quantity estimation diagram



UGR diagram



Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)										
	0.80 0.50 0.30	0.80 0.50 0.10	0.70 0.50 0.30	0.70 0.50 0.20	0.70 0.50 0.10	0.70 0.30 0.10	0.50 0.30 0.10	0.50 0.10 0.10	0.30 0.30 0.10	0.30 0.10 0.10	0.00 0.00 0.00
0.60	0.40	0.38	0.38	0.37	0.36	0.29	0.27	0.22	0.25	0.21	0.17
0.80	0.50	0.47	0.47	0.46	0.44	0.37	0.34	0.29	0.31	0.27	0.22
1.00	0.58	0.53	0.54	0.53	0.51	0.43	0.40	0.35	0.36	0.32	0.27
1.25	0.65	0.60	0.62	0.59	0.57	0.50	0.46	0.41	0.42	0.38	0.31
1.50	0.72	0.65	0.67	0.65	0.62	0.55	0.50	0.45	0.46	0.42	0.35
2.00	0.81	0.72	0.76	0.72	0.69	0.63	0.57	0.53	0.52	0.49	0.41
2.50	0.87	0.77	0.82	0.78	0.74	0.68	0.62	0.58	0.57	0.54	0.46
3.00	0.92	0.81	0.86	0.81	0.77	0.72	0.66	0.62	0.60	0.57	0.49
4.00	0.98	0.85	0.92	0.86	0.81	0.77	0.71	0.67	0.65	0.62	0.53
5.00	1.02	0.88	0.96	0.90	0.84	0.80	0.74	0.71	0.68	0.65	0.56

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	5497	5452	5413	5442	5634	6191	7496
50.0	5311	5251	5188	5171	5300	5785	7185
55.0	5150	5083	4987	4919	4955	5348	6810
60.0	5020	4941	4827	4706	4643	4898	6399
65.0	4914	4838	4690	4513	4345	4426	5877
70.0	4839	4767	4594	4372	4104	3936	5245
75.0	4821	4743	4553	4304	3918	3448	4446
80.0	4840	4749	4577	4287	3803	2983	3280
85.0	4879	4767	4606	4332	3768	2656	1737
90.0	4958	4845	4672	4399	3866	2625	765

(cd/m²)

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2017, February 6 - data subject to change