PHILIPS

Lighting



CorePro LEDtube InstantFit HF

CorePro LEDtube HF 1200mm 15W865 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)	1600 lm
Luminous Flux (Rated) (Nom)	1600 lm
Color Designation	Cool Daylight
Rated Beam Angle	240 °
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	106.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	20000-75000 Hz
Power (Rated) (Nom)	15 W
Lamp Current (Max)	700 mA
Lamp Current (Min)	200 mA
Wattage Equivalent	36 W
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
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)	45 °C

CorePro LEDtube InstantFit HF

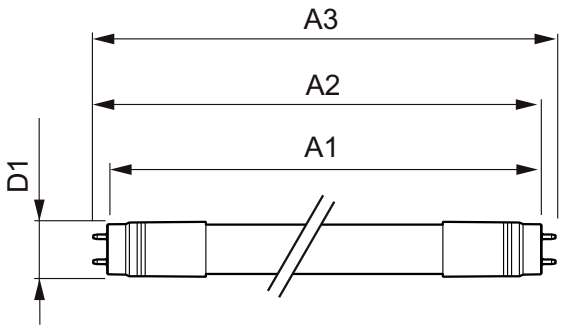
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1200 mm

Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	Yes
Energy Efficiency Label (EEL)	A+
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	19 kWh

Product Data	
Full product code	871869658129200
Order product name	CorePro LEDtube HF 1200mm 15W865 T8 G
EAN/UPC - Product	8718696581292
Order code	929001136502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001136502
Net Weight (Piece)	0.209 kg

Dimensional drawing



TLED 15W-36W 1600lm 240D 6500K G13 ND

Product	D	A1	A2	A3
CorePro LEDtube HF 1200mm 15W865 T8 G	27.9 mm	1199.4 mm	1205.3 mm	1213.6 mm

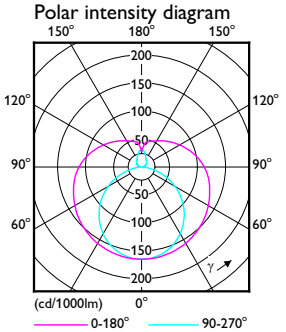
Photometric data

General Uniform Lighting

1 x TLED 15W 6500K 240D 9290011365

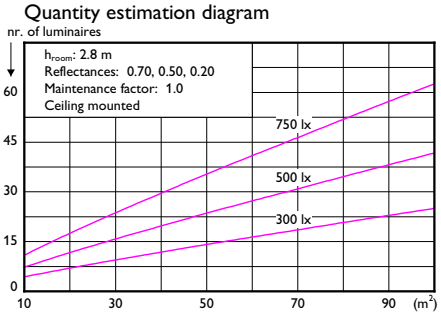
1 x 1600 lm

Polar intensity diagram

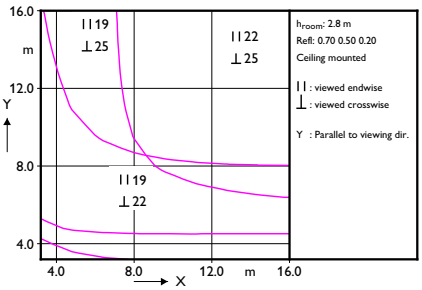


Light output ratio	1.00
Service upward	0.32
Service downward	0.68
CIE flux code	34 62 83 68 100
UGRcen (4Hx8H, 0.25H)	23

Quantity estimation diagram



UGR diagram



Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.39	0.37	0.37	0.36	0.35	0.28	0.25	0.21	0.23	0.19	0.15
0.80	0.48	0.45	0.46	0.44	0.43	0.35	0.32	0.27	0.29	0.25	0.20
1.00	0.56	0.52	0.53	0.51	0.49	0.42	0.38	0.33	0.34	0.30	0.24
1.25	0.64	0.59	0.60	0.58	0.55	0.48	0.43	0.38	0.39	0.35	0.28
1.50	0.70	0.63	0.66	0.63	0.60	0.53	0.48	0.43	0.43	0.39	0.32
2.00	0.79	0.71	0.74	0.70	0.67	0.61	0.55	0.50	0.49	0.46	0.37
2.50	0.86	0.76	0.80	0.76	0.72	0.66	0.60	0.55	0.54	0.50	0.41
3.00	0.90	0.79	0.84	0.79	0.75	0.70	0.63	0.59	0.57	0.54	0.44
4.00	0.97	0.84	0.90	0.84	0.79	0.75	0.68	0.64	0.61	0.58	0.48
5.00	1.01	0.86	0.94	0.88	0.82	0.78	0.71	0.68	0.64	0.61	0.51

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	5003	4965	4968	5016	5227	5768	7019
50.0	4908	4859	4833	4839	4983	5479	6823
55.0	4836	4781	4728	4681	4744	5161	6577
60.0	4791	4724	4651	4549	4515	4812	6275
65.0	4777	4696	4603	4447	4311	4426	5874
70.0	4798	4711	4602	4398	4154	4029	5369
75.0	4872	4781	4654	4413	4064	3630	4649
80.0	4989	4892	4772	4483	4042	3256	3625
85.0	5131	5035	4895	4622	4127	3037	2130
90.0	5314	5214	5100	4836	4369	3220	1543

(cd/m²)

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2017, January 31 - data subject to change