

MASTER LEDtube InstantFit HF

MASTER LEDtube HF 600mm 10.5W840 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. This product is the ideal solution for up lamping in general lighting applications.

Product data

• General Information

Cap base	G13 [Medium Bi-Pin Fluorescent]
Main application	Industrial
Nominal lifetime (nom.)	50000 h
B50L70	50000

• Light Technical

Beam Angle (Nom)	160 °
Luminous flux (nom.)	1050 lm
Luminous flux (rated) (nom.)	1050 lm
Rated beam angle	160 °
Correlated colour temperature (nom.)	4000 K
Colour consistency	<6
Color rendering index (nom.)	83
LLMF at end of nominal lifetime (nom.)	70 %

• Operating and Electrical

Input frequency	20000-80000 Hz
Power (Rated) (Nom)	10.5 W
Lamp current (max.)	400 mA
Lamp current (min.)	200 mA
Starting time (max.)	0.5 s
Warm-up time to 60% light (max.)	0.1 s
Power factor (min.)	0.9
Voltage (Nom)	30-80 V

• Temperature

T storage (max.)	65 °C
T storage (min.)	-40 °C
T-Case maximum (nom.)	40 °C

• Controls and Dimming

Dimmable	no

• Mechanical and Housing

Product length	600 mm

• Approval and Application

Energy-saving product	Yes
Suitable for accent lighting	No
Energy efficiency label (EEL)	A+
Energy Consumption kWh/1000 h	13 kWh

• Product Data

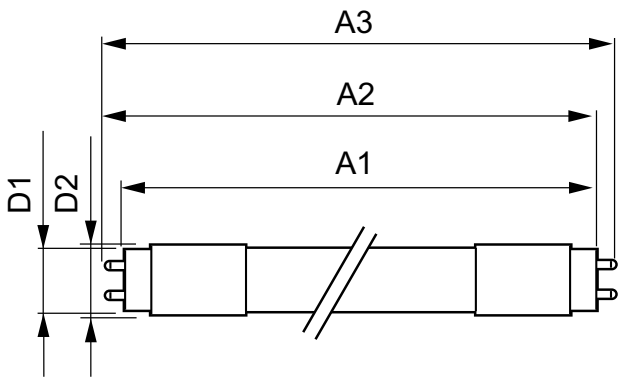
Full product code	871869655967300
Order product name	MASTER LEDtube HF 600mm 10.5W840 T8
EAN/UPC – product	8718696559673
Order code	55967300
Numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12NC)	929001219602

PHILIPS

MASTER LEDtube InstantFit HF

Net weight (piece) 0.160 kg

Dimensional drawing



TLED 230V 10.5W-36W 1050lm160D4000K T8ND

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 600mm 10.5W840 T8	25.6 mm	27.8 mm			

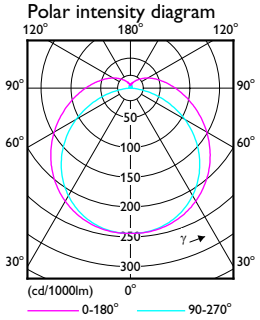
Photometric data

General Uniform Lighting

1 x TLED10.5W4000K 160D 9290012196

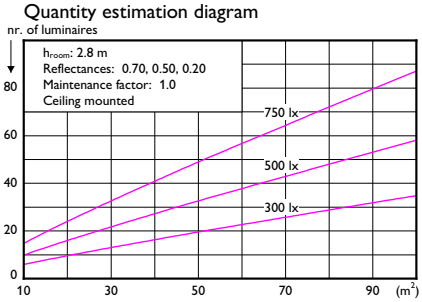
1 x 1050 lm

Polar intensity diagram

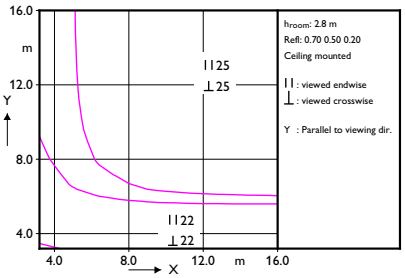


Light output ratio	1.00
Service upward	0.14
Service downward	0.86
CIE flux code	40 69 88 86 100
UGRcen (4Hx8H, 0.25H)	24

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	0.43	0.41	0.42	0.41	0.40	0.32	0.31	0.26	0.29	0.25	0.22
0.80	0.53	0.50	0.51	0.50	0.48	0.40	0.39	0.33	0.37	0.32	0.29
1.00	0.61	0.57	0.59	0.57	0.55	0.47	0.45	0.40	0.43	0.38	0.34
1.25	0.69	0.63	0.66	0.64	0.61	0.54	0.51	0.46	0.49	0.45	0.40
1.50	0.75	0.68	0.72	0.69	0.66	0.59	0.56	0.51	0.54	0.49	0.45
2.00	0.85	0.76	0.81	0.77	0.74	0.67	0.64	0.60	0.61	0.57	0.52
2.50	0.91	0.81	0.87	0.83	0.78	0.73	0.69	0.65	0.66	0.62	0.57
3.00	0.96	0.84	0.92	0.87	0.82	0.77	0.73	0.69	0.69	0.66	0.61
4.00	1.03	0.89	0.98	0.92	0.86	0.82	0.78	0.75	0.74	0.71	0.65
5.00	1.07	0.92	1.01	0.95	0.89	0.85	0.81	0.78	0.77	0.75	0.68

Ceiling mounted

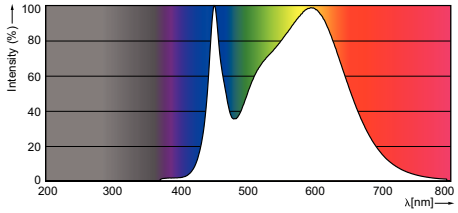
Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	8271	8352	8635	9126	9940	11317	13809
50.0	7745	7821	8092	8554	9328	10694	13387
55.0	7240	7313	7570	7994	8698	9990	12862
60.0	6763	6827	7067	7445	8049	9211	12193
65.0	6311	6369	6594	6914	7398	8331	11318
70.0	5898	5947	6151	6409	6759	7355	10135
75.0	5521	5564	5745	5942	6144	6288	8559
80.0	5195	5228	5382	5527	5574	5198	6261
85.0	4918	4941	5083	5173	5101	4206	3162
90.0	4702	4714	4839	4906	4769	3565	128

(cd/m²)

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2016, October 20
data subject to change