

MASTER LEDtube InstantFit HF

MASTER LEDtube HF 1500mm UO 26W840 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. The MASTER LEDtube Performance is the ideal solution for customers which have higher light requirements and the want to maximize value over lifetime.(need the longest lifetime). Full energy savings and TCO benefits.

Product data

• General Information

Cap-Base	G13 [G13 Medium Bi-Pin Fluorescent]
Main Application	Industrial
Nominal Lifetime (Nom)	50000 h
Switching Cycle B50L70	50000X 50000

• Light Technical

Color Code	840 [CCT of 4000K (841)]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	3700 lm
Luminous Flux (Rated) (Nom)	3700 lm
Rated Beam Angle	160 °
Correlated Color Temperature (Nom)	4000 K
Color Consistency	6 steps
Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

• Operating and Electrical

Input Frequency	25000-80000 Hz
Power (Rated) (Nom)	26 W
Lamp Current (Nom)	400 mA
Starting Time (Max)	0.5 s
Warm Up Time To 60% Light (Max)	0.1 s
Power Factor (Min)	0.9
Voltage (Nom)	50-100 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

• Controls and Dimming

Dimmable	No

• Mechanical and Housing

Product Length	1500 mm

• Approval and Application

Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A+
Approval Marks	CE marking KEMA Keur certificate RoHS compliance
Energy Consumption kWh/1000 h	31 kWh

• Product Data

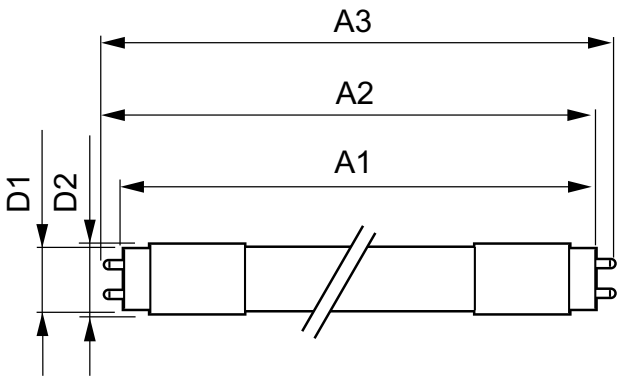
Full product code	871869655284100

PHILIPS

MASTER LEDtube InstantFit HF

Order product name	MASTER LEDtube HF 1500mm UO 26W840 T8
EAN/UPC - Product	8718696552841
Order code	929001211402
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001211402
Net Weight (Piece)	0.450 kg

Dimensional drawing



TLED 50-100V 26W-58W 3700lm 4000K G13 ND

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 1500mm UO 26W840 T8	25.68 mm	28 mm	1500.0 mm	1507.1 mm	1514.2 mm

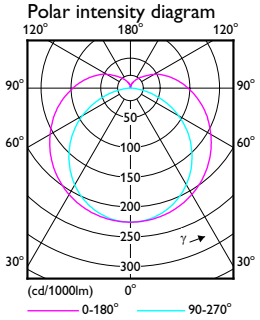
Photometric data

General Uniform Lighting

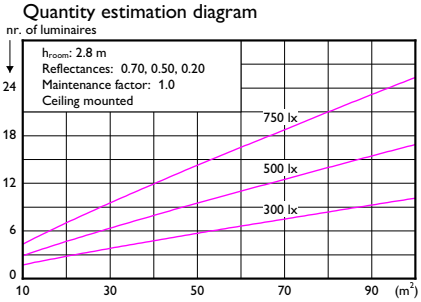
1 x TLED 25W 4000K 160D 9290012114

1 x 3700 lm

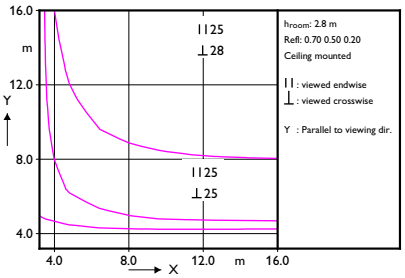
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.17
Service downward	0.83
CIE flux code	38 66 86 83 100
UGRcen (4Hx8H, 0.25H)	26

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	0.42	0.40	0.40	0.39	0.38	0.31	0.29	0.25	0.28	0.24	0.20
0.80	0.51	0.48	0.49	0.48	0.47	0.39	0.37	0.32	0.35	0.30	0.26
1.00	0.60	0.55	0.57	0.55	0.53	0.46	0.43	0.38	0.41	0.36	0.32
1.25	0.67	0.62	0.65	0.62	0.60	0.52	0.49	0.44	0.46	0.42	0.37
1.50	0.74	0.67	0.70	0.67	0.65	0.57	0.54	0.49	0.51	0.47	0.41
2.00	0.83	0.74	0.79	0.75	0.72	0.65	0.62	0.57	0.58	0.54	0.48
2.50	0.90	0.79	0.85	0.81	0.77	0.71	0.67	0.62	0.63	0.59	0.53
3.00	0.94	0.83	0.90	0.85	0.80	0.75	0.70	0.67	0.66	0.63	0.57
4.00	1.01	0.87	0.96	0.90	0.84	0.80	0.75	0.72	0.71	0.68	0.62
5.00	1.05	0.90	1.00	0.93	0.87	0.83	0.79	0.76	0.74	0.71	0.65

Ceiling mounted

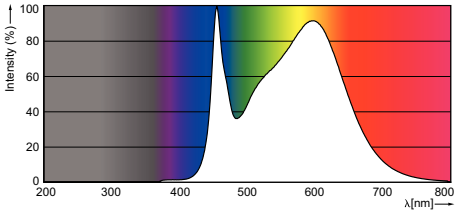
Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	11438	11462	11649	12053	12870	14502	17726
50.0	10930	10935	11088	11416	12152	13798	17300
55.0	10461	10451	10559	10830	11472	12954	16702
60.0	10044	10012	10082	10288	10749	12035	15963
65.0	9666	9631	9693	9748	10032	11022	15000
70.0	9376	9319	9300	9258	9338	9911	13742
75.0	9081	9009	8955	8820	8692	8714	11996
80.0	8835	8751	8672	8451	8114	7484	9514
85.0	8641	8549	8450	8166	7658	6396	6023
90.0	8511	8413	8305	7986	7382	5749	2296

(cd/m²)

2015-11-19

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2016, April 21
data subject to change