

MASTER LEDtube InstantFit HF

MASTER LEDtube HF 1500mm UO 26W830 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	830 [CCT of 3000K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	3400 lm
Luminous Flux (Rated) (Nom)	3400 lm
Rated Beam Angle	160 °
Correlated Color Temperature (Nom)	3000 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

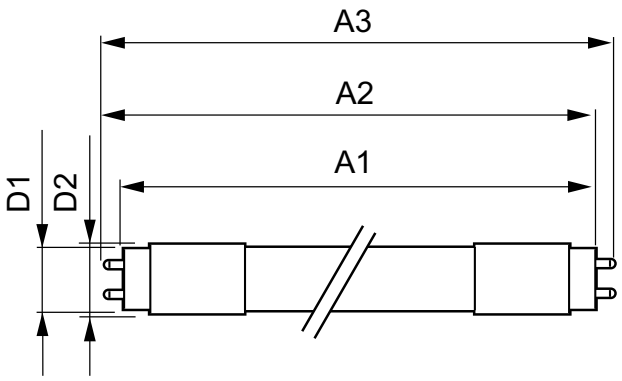
Full product code	871869655288900

PHILIPS

MASTER LEDtube InstantFit HF

Order product name	MASTER LEDtube HF 1500mm UO 26W830 T8
EAN/UPC - Product	8718696552889
Order code	929001211602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001211602
Net Weight (Piece)	0.450 kg

Dimensional drawing



TLED 50-100V 26W-58W 3700lm 3000K G13 ND

Product	D1	D2	A1	A2	A3
MASTER LEDtube HF 1500mm UO 26W830 T8	25.68 mm	28 mm	1500.0 mm	1507.1 mm	1514.2 mm

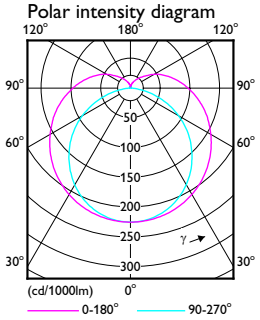
Photometric data

General Uniform Lighting

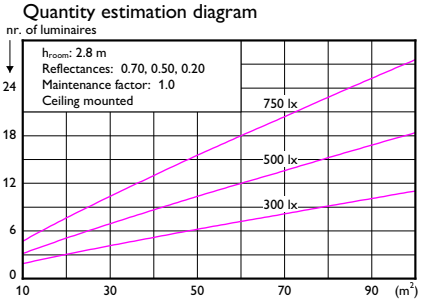
1 x TLED 25W 3000K 160D 9290012116

1 x 3400 lm

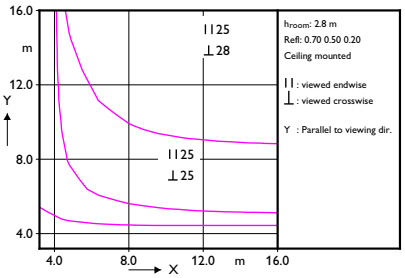
Polar intensity diagram



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 0.50 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	0.42	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

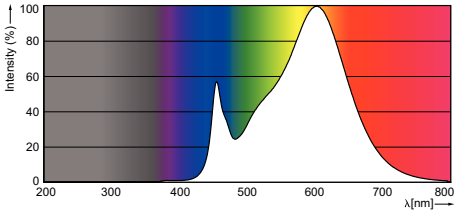
Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	10511	10533	10705	11076	11826	13326	16289
50.0	10043	10049	10189	10490	11166	12679	15897
55.0	9613	9604	9703	9952	10542	11903	15348
60.0	9230	9200	9265	9454	9877	11059	14669
65.0	8882	8850	8907	8957	9218	10128	13783
70.0	8616	8563	8546	8507	8581	9107	12627
75.0	8345	8279	8229	8105	7987	8007	11024
80.0	8119	8042	7969	7766	7456	6878	8742
85.0	7940	7856	7765	7504	7037	5877	5534
90.0	7821	7731	7632	7338	6784	5283	2105

(cd/m²)

2015-11-19

MASTER LEDtube InstantFit HF



© 2016 Philips Lighting Holding B.V.
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2016, April 10
data subject to change