PHILIPS

Lighting



MASTER LEDtube InstantFit HF T5

MAS LEDtube HF 1500mm HO 26W 830 T5

Philips MASTER LEDtube T5 integrates a LED light source in a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. MASTER LEDtube T5 is the ideal solution for customers who have high demands in terms of lighting and want to maximize value over lifetime, both as regards energy savings and total cost of ownership.

Product data

General Information	
Cap-Base	G5 [G5]
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000X
B50L70	50000 h

Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	3700 lm
Luminous Flux (Rated) (Nom)	3700 lm
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	39000-60000 Hz
Power (Rated) (Nom)	26 W
Lamp Current (Max)	415 mA
Lamp Current (Min)	240 mA
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	100-135 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

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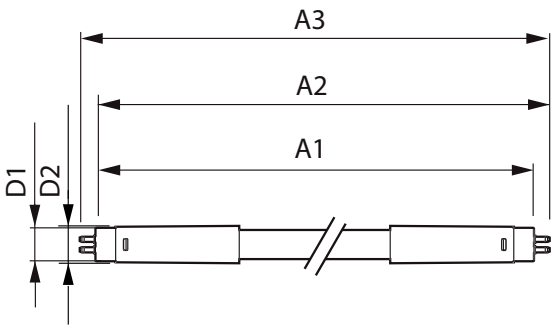
Mechanical and Housing	
Product Length	1500 mm

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	31 kWh

Product Data	
Full product code	871869668552500

Order product name	MAS LEDtube HF 1500mm HO 26W 830 T5
EAN/UPC - Product	8718696685525
Order code	929001296102
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001296102
Net Weight (Piece)	0.197 kg

Dimensional drawing



TLED 230V 26W-49W 3700lm 3000K G5 ND

Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm HO 26W 830 T5	15.2 mm	21 mm	1447.8 mm	1454.9 mm	1462 mm

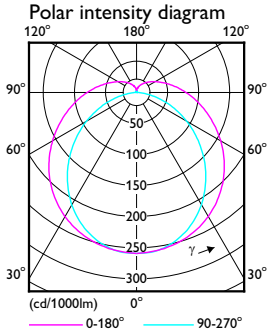
Photometric data

General Uniform Lighting

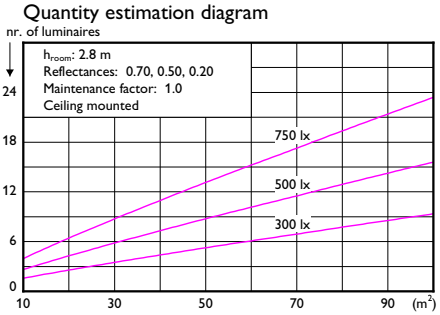
1 x TLED 26W 3000K 160D 9290012961

1 x 3900 lm

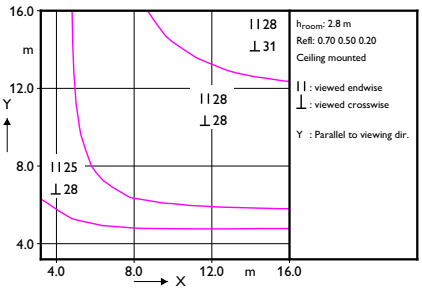
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.14
Service downward	0.86
CIE flux code	41 69 88 86 100
UGRcen (4Hx8H, 0.25H)	28

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	0.44	0.41	0.42	0.41	0.40	0.33	0.32	0.27	0.30	0.26	0.23
0.80	0.53	0.50	0.52	0.50	0.49	0.41	0.39	0.34	0.37	0.33	0.29
1.00	0.62	0.57	0.59	0.57	0.55	0.48	0.46	0.40	0.43	0.39	0.35
1.25	0.70	0.64	0.67	0.64	0.62	0.54	0.52	0.47	0.49	0.45	0.41
1.50	0.76	0.69	0.73	0.70	0.67	0.60	0.57	0.52	0.54	0.50	0.45
2.00	0.85	0.76	0.82	0.78	0.74	0.68	0.64	0.60	0.61	0.57	0.52
2.50	0.92	0.81	0.88	0.83	0.79	0.73	0.69	0.65	0.66	0.63	0.57
3.00	0.96	0.84	0.92	0.87	0.82	0.77	0.73	0.69	0.70	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	0.66
5.00	1.07	0.92	1.02	0.95	0.89	0.85	0.81	0.78	0.77	0.75	0.69

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	24503	24781	25293	26400	28706	33343	43412
50.0	22663	22856	23249	24146	26152	30592	41361
55.0	20957	21078	21418	22097	23734	27826	39192
60.0	19348	19518	19703	20137	21403	25036	36832
65.0	17840	17988	18096	18354	19184	22124	34019
70.0	16464	16713	16660	16712	17152	19145	30759
75.0	15244	15393	15291	15296	15303	16119	26597
80.0	14149	14278	14309	13980	13625	13149	20792
85.0	13142	13203	13256	13020	12222	10466	12698
90.0	12250	12305	12286	11951	11039	8661	7738

(cd/m²)

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2017, February 24 - data subject to change