



MASTER LEDtube InstantFit HF T5



Master LEDtube HF 1200mm HO 26W 840 T5 OE

The Philips MASTER LEDtube integrates an LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescents. These T5 lighting tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings, thanks to low energy consumption and an exceptionally long lifetime, make these T5 LED tubes the choice for every demanding applications.

Product data

General Information	
Cap base	G5
Nominal lifetime	60,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	200 degree(s)
Luminous Flux	3,900 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	150 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80

LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG0
Operating and Electrical	
Line Frequency	30K to 60K Hz
Input frequency	30 K to 60 K Hz
Power Consumption	26 W
Lamp current (max.)	620 mA
Lamp current (min.)	300 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	20-90 V
LED alternative to fluorescent lamp power	54 W
Inrush current at mains	-
Max. lamp no. on MCB B type 10A — Mains	-
Max. lamp no. on MCB B type 10A — EM ballast	-
without Comp. Cap.	-

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Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A — Mains	-
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	-
Ballast Compatibility	HF

Temperature

Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	55 °C

Controls and Dimming

Dimmable	Yes – Check ballast compatibility
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Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	1,200 mm
Bulb shape	T5

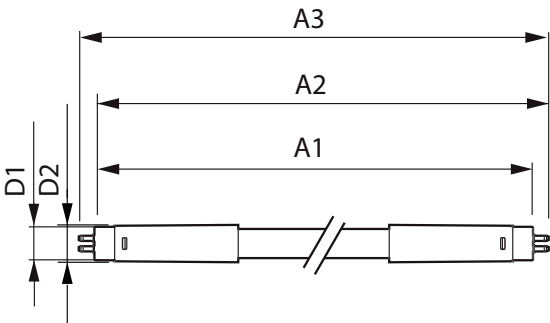
Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	26 kWh
EPREL registration number	1384141

Product Data

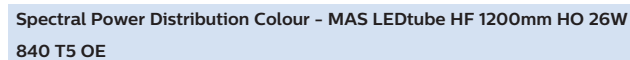
Order product name	MAS LEDtube HF 1200mm HO 26W 840 T5 OE
Full product name	Master LEDtube HF 1200mm HO 26W 840 T5 OE
Full EOC	871869974953800
Order code	74953800
Material no. (12 NC)	929002352102
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718699749538
Numerator – packs per outer box	10
EAN/UPC – Case	8718699749545

Dimensional drawing



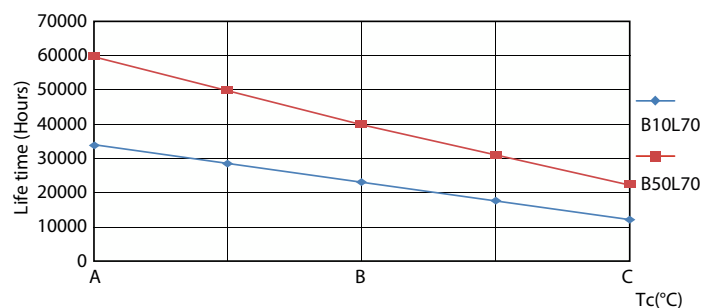
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HO 26W 840 T5 OE	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm

Photometric data



Time (hours)	Configuration C (%)	Configuration B (%)	Configuration A (%)
0	0	0	0
20,000	40	5	2
40,000	90	45	15
60,000	100	80	45
80,000	100	95	75
100,000	100	100	85

Life Expectancy Diagram - MAS LEDtube HF 1200mm HO 26W 840 T5 OE



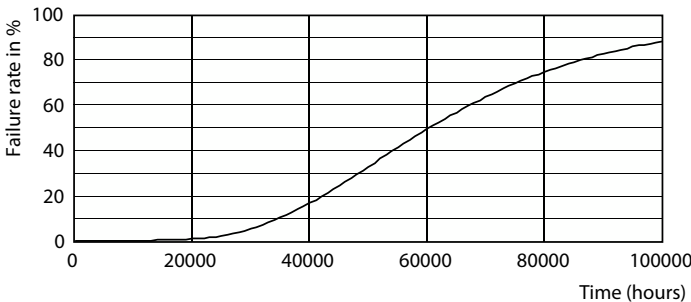
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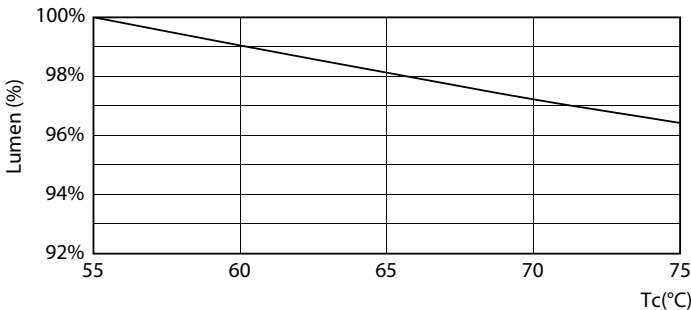
Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 26W 840 T5 OE



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