PHILIPS

PHILIPS Lighting

MASTER LEDtube InstantFit HF T5

MAS LEDtube HF 1200mm HO 26W 830 T5 OE

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. 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 application.

Product data

General Information	
Cap-Base	G5
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	3,700 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

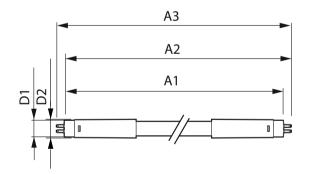
Photobiological safety according to EN 62471 RG0		
Operating and Electrical		
Line Frequency	30K to 60K Hz	
Input Frequency	30K to 60K Hz	
Power Consumption	26 W	
Lamp Current (Max)	620 mA	
Lamp Current (Min)	300 mA	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	20-90 V	
Ballast Compatibility	HF	
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 Compensation Capacitor.		



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Max. lamp no. on MCB B type 10A – EM k	allast -	Energy Saving Product	Yes
with Compensation Capacitor.		Approval Marks	RoHS compliance KEMA Keur
Max. lamp no. on MCB B type 16A - Main	s -		certificate
Max. lamp no. on MCB B type 16A - EM k	allast -	Energy Consumption kWh/1000 h	26 kWh
without Compensation Capacitor.		EPREL Registration Number	1384140
Max. lamp no. on MCB B type 16A – EM b	allast -	CE mark	Yes
with Compensation Capacitor.		EU RoHS compliant Yes	
		Ambient temperature range	-20 °C to 45 °C
Temperature			
T-Case Maximum (Nom)	50 °C	Product Data	
		Order product name	MAS LEDtube HF 1200mm HO 26
Controls and Dimming			830 T5 OE
Dimmable	Yes - Check ballast compatibility	Full product name	MAS LEDtube HF 1200mm HO 26
			830 T5 OE
Mechanical and Housing		Full product code	871869974951400
Bulb Finish	Frosted	Order code	929002352002
Bulb Material	Glass	Material Nr. (12NC)	929002352002
Product Length	1,200 mm	Numerator - Quantity Per Pack	1
Bulb Shape	Т5	EAN/UPC - Product/Case	8718699749514
Net Weight (Piece)	0.160 kg	Numerator - Packs per outer box	10
		EAN/UPC - Case	8718699749521
Approval and Application			
Energy Efficiency Class	E		

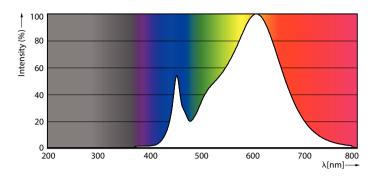
Dimensional drawing



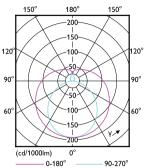
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HO 26W	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
830 T5 OE					

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Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HO 26W 830 T5 OE

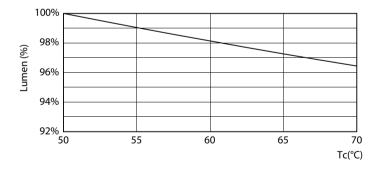


Light Distribution Diagram - MAS LEDtube HF 1200mm HO 26W 830 T5 OE

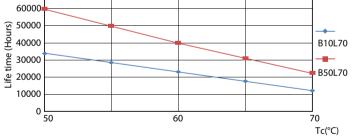
	General Uniform Light
	1 x TLED 26W 3008K 9390823520
	1 x 2700 in
	Constrained agent Constrained a
Character B	

70000

General uniform lighting - MAS LEDtube HF 1200mm HO 26W 830 T5 OE



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 26W 830 T5

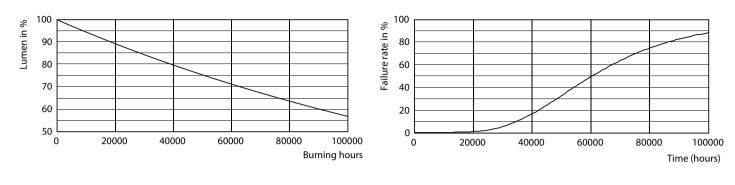


LEDtube 60K 5070 LifetimeVsTc-LED

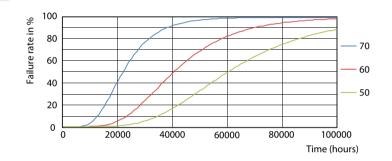
Lifetime

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 26W 830 T5 OE Life Expectancy Diagram



LEDtube 60K 5070 FailureRate-LED



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