PHILIPS

# **PHILIPS** Lighting

# MASTER LEDtube InstantFit HF T5

# MAS LEDtube HF 1200mm HO 26W 840 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	840 [CCT of 4000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	3,900 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
-	

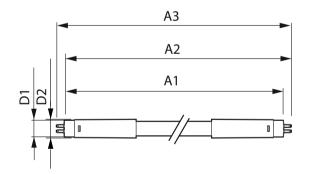
Photobiological safety according to EN 62471	RGO
Operating and Electrical	
Line Frequency	30K to 60K Hz
Input Frequency	30K to 60K Hz
Power Consumption	26 W
Lamp Current (Max)	620 mA
Lamp Current (Min)	300 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (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	ballast -	Energy Saving Product	Yes	
with Compensation Capacitor.		Approval Marks	RoHS compliance KEMA Keur	
Max. lamp no. on MCB B type 16A - Mains -		-	certificate	
Max. lamp no. on MCB B type 16A – EM ballast -		Energy Consumption kWh/1000 h	26 kWh	
without Compensation Capacitor.		EPREL Registration Number	1384141	
Max. lamp no. on MCB B type 16A – EM ballast –		CE mark	Yes	
vith Compensation Capacitor.		EU RoHS compliant	Yes	
		Ambient temperature range	-20 ℃ to 45 ℃	
Temperature				
-Case Maximum (Nom) 50 °C		Product Data		
		Order product name	MAS LEDtube HF 1200mm HO 26	
Controls and Dimming			840 T5 OE	
Dimmable	Yes - Check ballast compatibility	Full product name	MAS LEDtube HF 1200mm HO 26	
			840 T5 OE	
Mechanical and Housing		Full product code	871869974953800	
Bulb Finish	Frosted	Order code 929002352102		
Bulb Material	Glass	Material Nr. (12NC) 929002352102		
Product Length	1,200 mm	Numerator - Quantity Per Pack		
Bulb Shape	Т5	<b>EAN/UPC - Product/Case</b> 8718699749538		
Net Weight (Piece)	t Weight (Piece) 0.160 kg Numerator - Pa		10	
		EAN/UPC - Case	8718699749545	
Approval and Application				
Energy Efficiency Class	D			

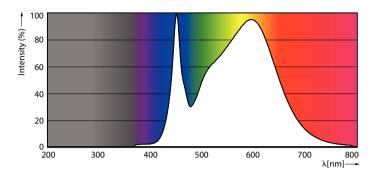
### Dimensional drawing



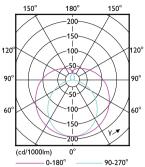
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HO 26W	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
840 T5 OE					

# **MASTER LEDtube InstantFit HF T5**

Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HO 26W 840 T5 OE

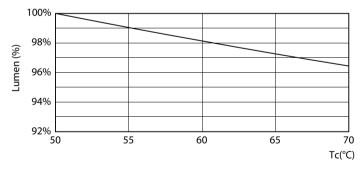


Light Distribution Diagram - MAS LEDtube HF 1200mm HO 26W 840 T5 OE

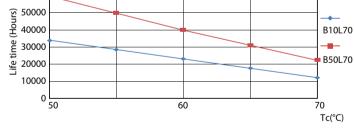
	General Uniform Lighti
	1 + TLED 24W 4008K 9290821521
	1 x 200 m
	Construction for an analysis of the formation of the form
Character B	

70000 60000

General uniform lighting - MAS LEDtube HF 1200mm HO 26W 840 T5 OE



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



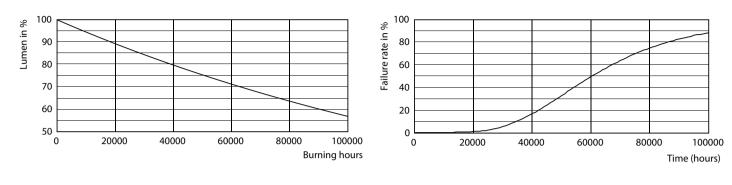
LEDtube 60K 5070 LifetimeVsTc-LED

#### Lifetime

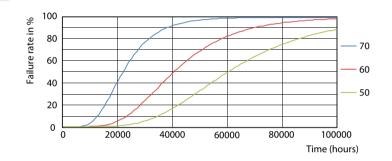
B10L70

## MASTER LEDtube InstantFit HF T5

Lifetime



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



LEDtube 60K 5070 FailureRate-LED



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