PHILIPS

# **PHILIPS** Lighting

# MASTER LEDtube InstantFit HF T5

# MAS LEDtube HF 1500mm 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 %	

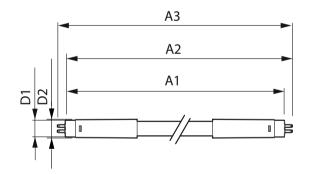
Photobiological safety according to EN 62471	RGO	
Operating and Electrical		
Line Frequency	20K to 140K Hz	
Input Frequency	20K to 140K Hz	
Power Consumption	26 W	
Lamp Current (Max)	420 mA	
Lamp Current (Min)	150 mA	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	60-120 V	
Ballast Compatibility	HF	
LED alternative to fluorescent lamp power	49 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 b	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 ballast -		Energy Consumption kWh/1000 h	26 kWh	
without Compensation Capacitor.		EPREL Registration Number	1384144	
Max. lamp no. on MCB B type 16A – EM ballast -		CE mark	Yes	
with Compensation Capacitor.		EU RoHS compliant Yes		
		Ambient temperature range	-20 ℃ to 45 ℃	
Temperature				
T-Case Maximum (Nom)	50 ℃	Product Data		
		Order product name	MAS LEDtube HF 1500mm HO 26	
Controls and Dimming			840 T5 OE	
Dimmable	Yes - Check ballast compatibility	Full product name	MAS LEDtube HF 1500mm HO 26	
			840 T5 OE	
Mechanical and Housing		Full product code	871869974959000	
Bulb Finish	Frosted	Order code	929002352402	
Bulb Material	Glass	Material Nr. (12NC) 929002352402		
Product Length	1,500 mm	Numerator - Quantity Per Pack 1		
Bulb Shape	Т5	EAN/UPC - Product/Case 8718699749590		
Net Weight (Piece)	0.196 kg	Numerator - Packs per outer box	10	
		EAN/UPC - Case	8718699749606	
Approval and Application				
Energy Efficiency Class	D			

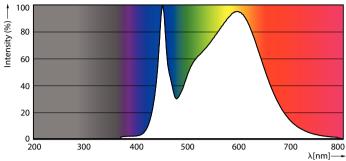
#### Dimensional drawing



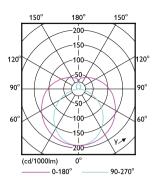
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm HO 26W	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm
840 T5 OE					

## **MASTER LEDtube InstantFit HF T5**

Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 1500mm HO 26W 840 T5 OE

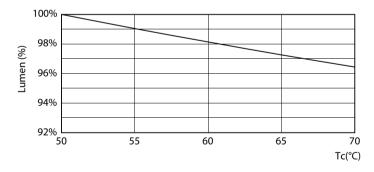


Light Distribution Diagram - MAS LEDtube HF 1500mm HO 26W 840 T5 OE

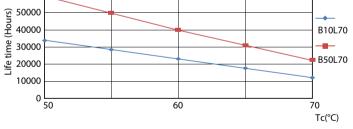
	General Uniform Lightin
	1 + TLED 24W 4008K 9290823524
	1 x 2000 im
NAME OF CONTRACTOR	

70000 60000

General uniform lighting - MAS LEDtube HF 1500mm HO 26W 840 T5 OE



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HO 26W 840 T5 OE

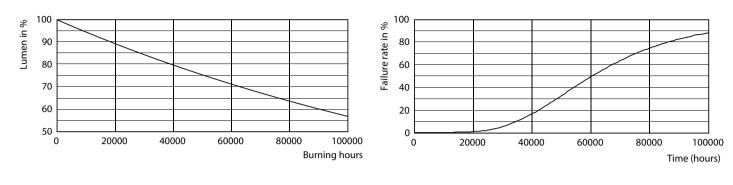


LEDtube 60K 5070 LifetimeVsTc-LED

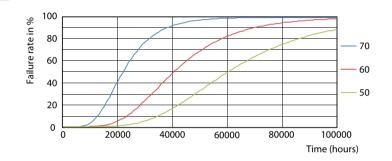
Lifetime

### MASTER LEDtube InstantFit HF T5

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HO 26W 840 T5 OE Life Expectancy Diagram



LEDtube 60K 5070 FailureRate-LED



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