PHILIPS

# **PHILIPS** Lighting

# MASTER LEDtube InstantFit HF T5

## MAS LEDtube HF 1200mm HO 26W 865 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**

Concernel Information	
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	865 [CCT of 6500K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	3,900 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

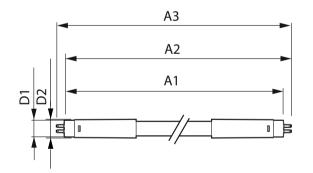
Photobiological safety according to EN 62471	RGO
Operating and Electrical	
Line Frequency	30K to 60K Hz
Input Frequency	30K to 60K Hz
Power Consumption	26 W
Lamp Current (Max)	620 mA
Lamp Current (Min)	300 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (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
with Compensation Capacitor.		Approval Marks
Max. lamp no. on MCB B type 16A - Mains	-	-
Max. lamp no. on MCB B type 16A - EM ballast	-	Energy Consum
without Compensation Capacitor.		EPREL Registra
Max. lamp no. on MCB B type 16A - EM ballast	-	CE mark
with Compensation Capacitor.		EU RoHS comp
		Ambient tempe
Temperature		
T-Case Maximum (Nom)	50 ℃	Product Data
		Order product r
Controls and Dimming		
Dimmable	Yes - Check ballast compatibility	Full product na
Mechanical and Housing		Full product co
Bulb Finish	Frosted	Order code
Bulb Material	Glass	Material Nr. (12
Product Length	1,200 mm	Numerator - Qu
Bulb Shape	Т5	EAN/UPC - Pro
Net Weight (Piece)	0.160 kg	Numerator - Pa
		EAN/UPC - Cas
Approval and Application		
Energy Efficiency Class	D	-
		-

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur
	certificate
Energy Consumption kWh/1000 h	26 kWh
EPREL Registration Number	1384142
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 ℃ to 45 ℃
Product Data	
Order product name	MAS LEDtube HF 1200mm HO 26W
	865 T5 OE
Full product name	MAS LEDtube HF 1200mm HO 26W
	865 T5 OE
Full product code	871869974955200
Order code	929002352202
Material Nr. (12NC)	929002352202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699749552
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699749569

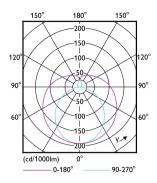
#### Dimensional drawing

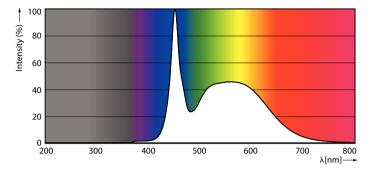


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HO 26W	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
865 T5 OE					

#### MASTER LEDtube InstantFit HF T5

#### Photometric data





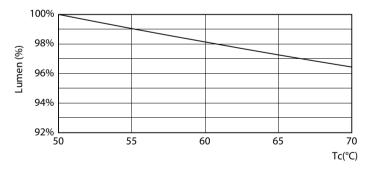
Light Distribution Diagram - MAS LEDtube HF 1200mm HO 26W 865 T5 OE

Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HO 26W 865 T5 OE

		* TLED 36W 4500K 9290013533
		1 x 2900 in.
Printmany degree	Duantin extination diagram	LGI.deput
R X	August 10 EE.OF	and and an an
TRACK!		
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KX SOT		
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	Utilization fector ratio	Laminance Table
Anna anna 10	Advance it is using all advanting days (10)	
Show awards	······································	
		Filler Handler
		104.5

General uniform lighting - MAS LEDtube HF 1200mm HO 26W 865 T5 OE

#### Lifetime

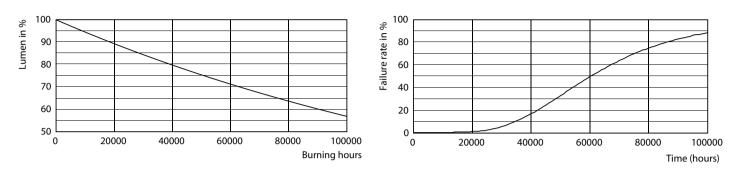


Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 26W 865 T5 OE

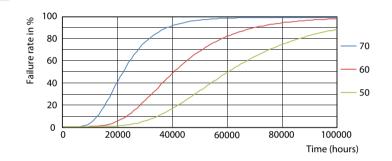
LEDtube 60K 5070 LifetimeVsTc-LED

#### MASTER LEDtube InstantFit HF T5

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HO 26W 865 T5 OE Life Expectancy Diagram



LEDtube 60K 5070 FailureRate-LED



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