PHIL

# Lighting

**PHILIPS** 

# MASTER LEDtube InstantFit HF T8

# MAS LEDtube HF 600mm HO 8W840 T8

Philips MASTER LEDtube InstantFit T8 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. Philips MASTER LEDtube InstantFit T8 is the ideal solution for customers who have higher light requirements and want to maximize value over lifetime. Full energy savings & longer lifetime result in attractive payback times and TCO benefits.

#### Warnings and Safety

• NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

#### **Product data**

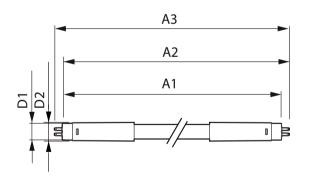
General Information		Color rendering index (CRI)	80
Cap-Base	G13 ROT	LLMF At End Of Nominal Lifetime (Nom)	70 %
Nominal lifetime	75,000 hour(s)	Photobiological safety according to EN 62471	RG0
Switching Cycle	50,000		
Lighting Technology	LED	Operating and Electrical	
Flux measurement reference	Sphere	Line Frequency	20000-120000 Hz
		Input Frequency	20000-120000 Hz
Light Technical		Power Consumption	8 W
Color Code	840 [CCT of 4000K]	Lamp Current (Max)	500 mA
Beam Angle (Nom)	160 degree(s)	Lamp Current (Min)	150 mA
Luminous Flux	1,050 lm	Starting Time (Nom)	0.5 s
Color Designation	Cool White (CW)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	131 lm/W	Voltage (Nom)	20-50 V
Color Consistency	<6	Ballast Compatibility	HF



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LED alternative to fluorescent lamp power	18 W	Approval and Application	
Inrush current at mains	-	Energy Efficiency Class	E
Max. lamp no. on MCB B type 10A - Mains	-	Energy Saving Product	Yes
Max. lamp no. on MCB B type 10A - EM ballas	st -	Approval Marks	RoHS compliance CE marking KEMA
without Compensation Capacitor.			Keur certificate ENEC certificate
Max. lamp no. on MCB B type 10A – EM ballas	st -	Energy Consumption kWh/1000 h	8 kWh
with Compensation Capacitor.		EPREL Registration Number	1597257
Max. lamp no. on MCB B type 16A - Mains	-	CE mark	Yes
Max. lamp no. on MCB B type 16A - EM ballas	st -	EU RoHS compliant	Yes
without Compensation Capacitor.		Ambient temperature range	-20 ℃ to 45 ℃
Max. lamp no. on MCB B type 16A - EM ballas	st -		
with Compensation Capacitor.		Product Data	
		Order product name	MAS LEDtube HF 600mm HO
Temperature			8W840 T8
T-Case Maximum (Nom)	55 °C	Full product name	MAS LEDtube HF 600mm HO
			8W840 T8
Controls and Dimming		Full product code	871951446642500
Dimmable	No	Order code	929001393232
		Material Nr. (12NC)	929001393232
Mechanical and Housing		Numerator - Quantity Per Pack	1
Bulb Finish	Frosted	EAN/UPC - Product/Case	8719514466425
Bulb Material	Plastic	Numerator - Packs per outer box	20
Product Length	600 mm	EAN/UPC - Case	8719514466432
Bulb Shape	Т8		
Net Weight (Piece)	0.100 kg		

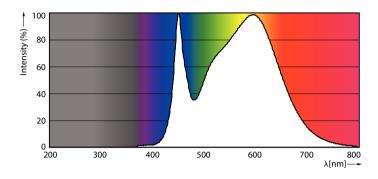
# Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HO	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm
8W840 T8					

# MASTER LEDtube InstantFit HF T8

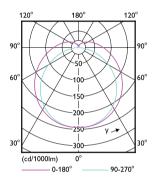
Photometric data



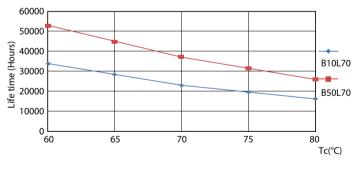
	1×11	EDEW4000K 166D 929091393382
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Spectral Power Distribution Colour - MAS LEDtube HF 600mm HO 8W840 T8 General uniform lighting - MAS LEDtube HF 600mm HO 8W840 T8

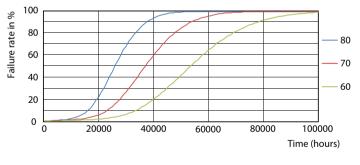


Light Distribution Diagram - MAS LEDtube HF 600mm HO 8W840 T8



LifetimeVsTc

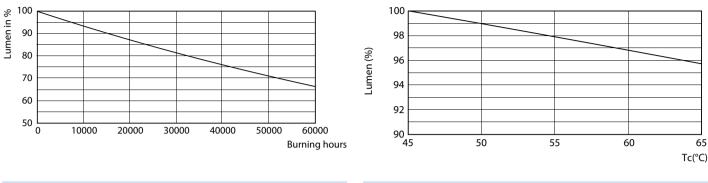
Lifetime



FailureRate

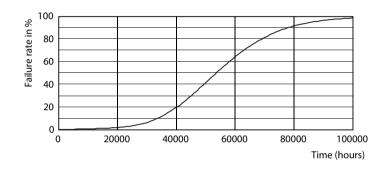
### MASTER LEDtube InstantFit HF T8

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W840 T8

Lumen Maintenance Diagram - MAS LEDtube HF 600mm HO 8W840 T8



Life Expectancy Diagram



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