PHILIPS

# Lighting

**PHILIPS** 

# MASTER LEDtube InstantFit HF T8

# MAS LEDtube HF 1500mm UO 24W840 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		Correlated Color Tempera
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin	Luminous Efficacy (rated)
	Fluorescent]	Color Consistency
Nominal lifetime	75,000 hour(s)	Color rendering index (CR
Switching Cycle	50,000	LLMF At End Of Nominal
Lighting Technology	LED	Flickering value (PstLM)
Flux measurement reference	Sphere	Stroboscopic effect value
CE mark	Yes	Photobiological safety ac
EU RoHS compliant	Yes	
		Operating and Electric
Light Technical		Line Frequency
Color Code	840 [CCT of 4000K]	Input Frequency
Beam Angle (Nom)	160 degree(s)	Power Consumption
Luminous Flux	3,700 lumen	Lamp Current (Max)
Color Designation	Cool White (CW)	Lamp Current (Min)

Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	154 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	80			
LLMF At End Of Nominal Lifetime (Nom)	70 %			
Flickering value (PstLM)	0.5			
Stroboscopic effect value (SVM)	0.2			
Photobiological safety according to EN 62471 RG0				
Operating and Electrical				
Line Frequency	20000-75000 Hz			
Input Frequency	20000-75000 Hz			
Power Consumption	24 W			
Lamp Current (Max)	750 mA			
Lamp Current (Min)	300 mA			

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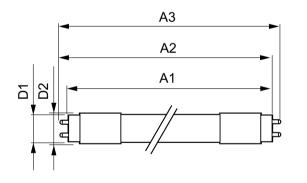
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Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	30-80 V	
LED alternative to fluorescent lamp power	58 W	
Temperature		
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	55 °C	
Controls and Dimming		
Dimmable	Yes - Check ballast compatibility	
Mechanical and Housing		
Bulb Finish	Frosted	
Bulb Material	Plastic	
Product Length	1,500 mm	
Bulb Shape	Tube, double-ended	
Approval and Application		
Energy Efficiency Class	D	
Energy Efficiency Class	D	

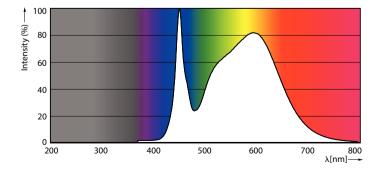
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA
	Keur certificate
Energy Consumption kWh/1000 h	24 kWh
EPREL Registration Number	1165512
Product Data	
Full product code	871951446702600
Order product name	MAS LEDtube HF 1500mm UO 24W840
	Т8
Order code	929003554402
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929003554402
Full product name	MAS LEDtube HF 1500mm UO 24W840
	Т8
EAN/UPC - Case	8719514467033
EAN/UPC - Product/Case	8719514467026

#### Dimensional drawing

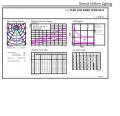


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm UO	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
24W840 T8					

#### Photometric data



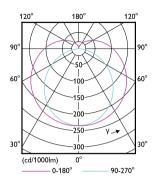
Spectral Power Distribution Colour - MAS LEDtube HF 1500mm UO 24W840 T8



General uniform lighting - MAS LEDtube HF 1500mm UO 24W840 T8

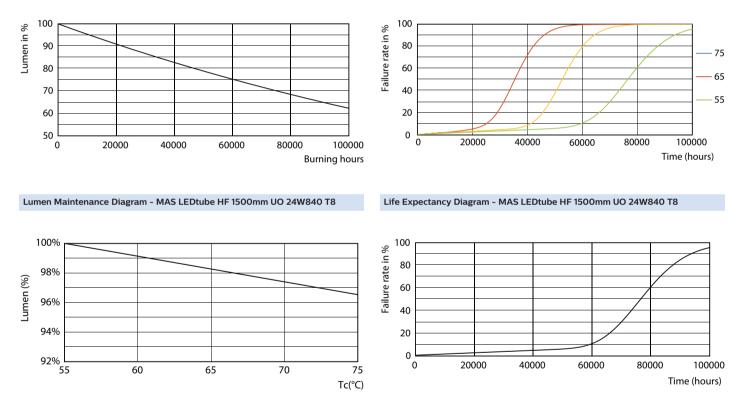
### **MASTER LEDtube InstantFit HF T8**

#### Photometric data



Light Distribution Diagram - MAS LEDtube HF 1500mm UO 24W840 T8

#### Lifetime

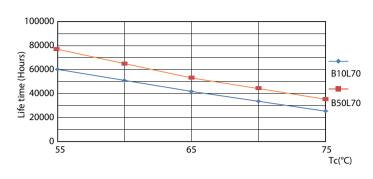


Lumen Maintenance Diagram - MAS LEDtube HF 1500mm UO 24W840 T8

Life Expectancy Diagram - MAS LEDtube HF 1500mm UO 24W840 T8

# MASTER LEDtube InstantFit HF T8

Lifetime



Life Expectancy Diagram - MAS LEDtube HF 1500mm UO 24W840 T8



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