PHILIPS

Lighting

PHILIPS

MASTER LEDtube InstantFit HF T8

MAS LEDtube HF 1200mm UO 16W830 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 Temperature
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin	Luminous Efficacy (rated) (No
	Fluorescent]	Color Consistency
Nominal lifetime	75,000 hour(s)	Color rendering index (CRI)
Switching Cycle	50,000	LLMF At End Of Nominal Life
Lighting Technology	LED	Flickering value (PstLM)
Flux measurement reference	Sphere	Stroboscopic effect value (SV
CE mark	Yes	Photobiological safety accord
EU RoHS compliant	Yes	
		Operating and Electrical
Light Technical		Line Frequency
Color Code	830 [CCT of 3000K]	Input Frequency
Beam Angle (Nom)	160 degree(s)	Power Consumption
Luminous Flux	2,350 lumen	Lamp Current (Max)
Color Designation	White (WH)	Lamp Current (Min)

Correlated Color Temperature (Nom)	3000 K			
Luminous Efficacy (rated) (Nom)	146 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	16 W			
Lamp Current (Max)	750 mA			
Lamp Current (Min)	300 mA			

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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	36 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	1,200 mm			
Bulb Shape	Т8			
Approval and Application				
Energy Efficiency Class	D			

Energy Saving Product	Yes			
Approval Marks	RoHS compliance TUV CE marking KEMA			
	Keur certificate			
Energy Consumption kWh/1000 h	16 kWh			
EPREL Registration Number	1165504			
Product Data				
Full product code	871951446700200			
Order product name	MAS LEDtube HF 1200mm UO 16W830			
	Т8			
Order code	929003554002			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	20			
Material Nr. (12NC)	929003554002			
Full product name	MAS LEDtube HF 1200mm UO 16W830			
	Т8			
EAN/UPC - Case	8719514467019			
EAN/UPC - Product/Case	8719514467002			

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm UO	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
16W830 T8					

Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 1200mm UO 16W830 T8



General uniform lighting - MAS LEDtube HF 1200mm UO 16W830 T8

MASTER LEDtube InstantFit HF T8

Photometric data



Light Distribution Diagram - MAS LEDtube HF 1200mm UO 16W830 T8

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm UO 16W830 T8

Life Expectancy Diagram - MAS LEDtube HF 1200mm UO 16W830 T8

MASTER LEDtube InstantFit HF T8

Lifetime



Life Expectancy Diagram - MAS LEDtube HF 1200mm UO 16W830 T8



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