

MASTER LEDtube EM/ Mains

MASTER LEDtube 1500mm UO 24W 840 T8

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. This product is the ideal solution for up lamping in general lighting applications.

Warnings and Safety

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Product data

General Information				
Cap base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	50,000 h			
Switching Cycle	200,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Colour Code	840 [CCT of 4000K]			
Beam angle (nom.)	160 degree(s)			
Luminous Flux	3,700 lm			
Colour designation	Cool White (CW)			
Correlated Colour Temperature	4000 K			
Luminous efficacy (rated) (nom.)	154.00 lm/W			
Colour consistency	<6			
Colour rendering index (CRI)	83			
LLMF at end of nominal lifetime (nom.) 70 %				

Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input frequency	50 to 60 Hz			
Power Consumption	24 W			
Lamp current (max.)	112 mA			
Lamp current (min.)	103 mA			
Starting time (nom.)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (nom.)	220-240 V			
Temperature				
Ambient temperature range	-20°C to 35°C			
T-Case maximum (nom.)	60 °C			
Controls and Dimming				
Dimmable	No			
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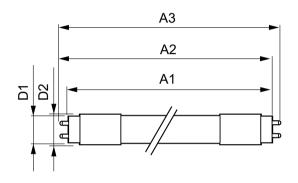
Datasheet, 2023, April 29 data subject to change

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Mechanical and Housing	
Product length	1,500 mm
Approval and Application	
Energy-saving product	Yes
Approval marks	TUV CE marking RoHS compliance KEMA Keur
	certificate
Energy consumption kWh/1,000 hours	24 kWh
Product Data	
Order product name	MAS LEDtube 1500mm UO 24W 840 T8

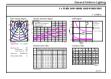
Full product name	MASTER LEDtube 1500mm UO 24W 840 T8			
Full EOC	871869668744400			
Order code	68744400			
Material no. (12 NC)	929001298202			
SAP numerator – quantity per pack	1			
EAN/UPC — Product/Case	8718696687444			
Numerator – packs per outer box	10			
EAN/UPC - Case	8718696687451			

Dimensional drawing



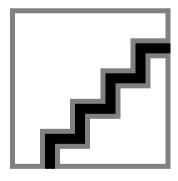
Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm UO	25.78 mm	28 mm	1,498.7 mm	1,505.8 mm	1,512.9 mm
24W 840 T8					

Photometric data



Calculat Pleasurence 43 Folips Lighting EV. Fige. 17

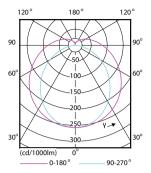
General uniform lighting - MAS LEDtube 1500mm UO 24W 840 T8



Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 24W 840 T8

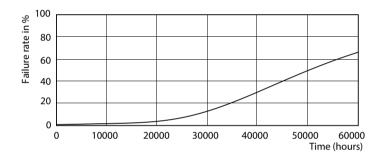
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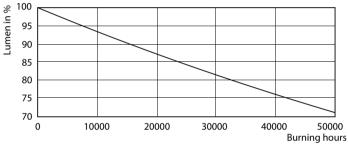
Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm UO 24W 840 T8

Lifetime





Life Expectancy Diagram - MAS LEDtube 1500mm UO 24W 840 T8

Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 24W 840 T8



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