

MASTER LEDtube EM/ Mains T8

MASTER LEDtube 1500mm HO 20W865 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

Warnings and Safety

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Product data

General Information				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	200,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	865 [CCT of 6500K]			
Luminous Flux	3,100 lm			
Correlated Color Temperature (Nom)	6500 K			
Color Consistency	<6			
Color rendering index (CRI)	83			
LLMF At End Of Nominal Lifetime (Nom) 70 %				
Operating and Electrical				
Line Frequency	50 to 60 Hz			
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Input Frequency	50 to 60 Hz		
Power Consumption	20 W		
Lamp Current (Max)	94 mA		
Lamp Current (Min)	86 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 45 °C		
T-Case Maximum (Nom)	60 ℃		
Controls and Dimming			
Dimmable	No		

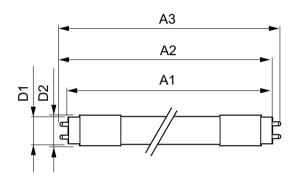
Datasheet, 2023, April 29 data subject to change

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Mechanical and Housing				
Product Length	1,500 mm			
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	CE marking RoHS compliance KEMA Keur			
	certificate			
Energy Consumption kWh/1000 h	20 kWh			
Product Data				
Order product name	MAS LEDtube 1500mm HO 20W865 T8			

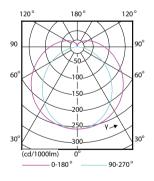
Full product name	MASTER LEDtube 1500mm HO 20W865 T8			
Full product code	871869668716100			
Order code	68716100			
Material Nr. (12NC)	929001298802			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696687161			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718696687178			

Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm HO	25.78 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
20W865 T8					

Photometric data



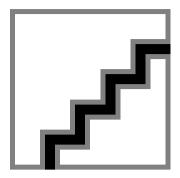


Light Distribution Diagram - MAS LEDtube 1500mm HO 20W865 T8

General uniform lighting - MAS LEDtube 1500mm HO 20W865 T8

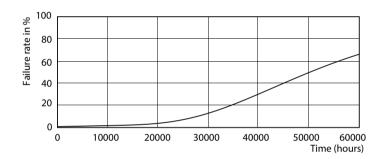
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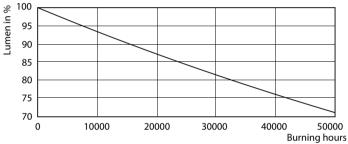
Photometric data



Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 20W865 T8

Lifetime





Life Expectancy Diagram - MAS LEDtube 1500mm HO 20W865 T8

Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 20W865 T8



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