



# MASTER LEDtube Mains T5

## MAS LEDtube 1500mm HE 20W 840 T5 EU

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! . Perfectly safe, reliable & easy to install Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximize value over lifetime with high energy saving and lower maintenance costs.

#### **Product data**

General Information				
Cap-Base	G5 [G5]			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	200,000			
Lighting Technology	LED			
Flux measurement reference	Sphere			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	200 degree(s)			
Luminous Flux	3,000 lumen			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	150 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	80			
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	20 W			
Lamp Current (Nom)	99 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.92			
Voltage (Nom)	220-240 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	75 ℃			
Controls and Dimming				
Dimmable	No			

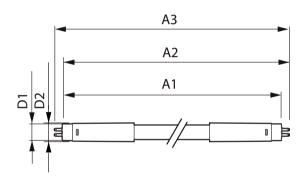
Datasheet, 2023, May 22 data subject to change

# **MASTER LEDtube Mains T5**

Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	1,500 mm				
Bulb Shape	Tube, double-ended				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance CE marking KEMA Keur				
	certificate				
Energy Consumption kWh/1000 h	20 kWh				
EPREL Registration Number	467,355				
CE mark	Yes				

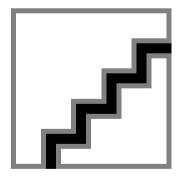
EU RoHS compliant	Yes			
Product Data				
Full product code	871951433439700			
Order product name	MAS LEDtube 1500mm HE 20W 840 T5 EU			
Order code	929002421302			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	10			
Material number (12NC)	929002421302			
Full product name	MAS LEDtube 1500mm HE 20W 840 T5 EU			
EAN/UPC - Case	8719514334403			

# Dimensional drawing

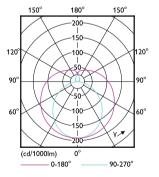


Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm HE 20W	15.8 mm	19 mm	1,449 mm	1,454.9 mm	1,463.2 mm
840 T5 EU					

## Photometric data



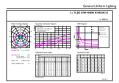
Spectral Power Distribution Colour - MAS LEDtube 1500mm HE 20W 840 T5  $\,$  EU



Light Distribution Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU

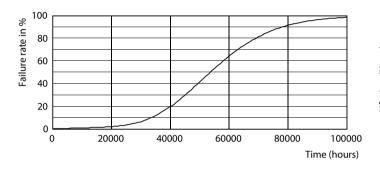
## **MASTER LEDtube Mains T5**

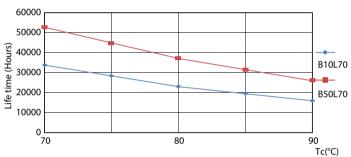
### Photometric data



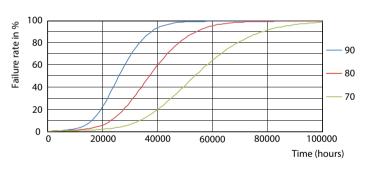
Calculus Phonometric 4.5 Philips Lighting R.V. Pages 19

#### Lifetime

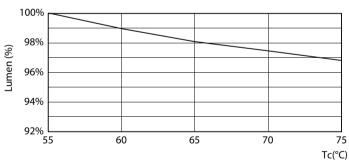




Life Expectancy Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU



Life Expectancy Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU

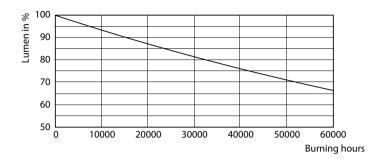


Life Expectancy Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU

Lumen Maintenance Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU

# **MASTER LEDtube Mains T5**

### Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.