

# MASTER LEDtube Mains T5



## MAS LEDtube 1500mm HE 20W 840 T5

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			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	200,000			
Lighting Technology	LED			
Flux measurement reference	Sphere			
EU RoHS compliant	Yes			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	200 degree(s)			
Luminous Flux	3,000 lm			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	150.00 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 (Max)	230 mA			
Lamp Current (Min)	85 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	100-240 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	75 °C			

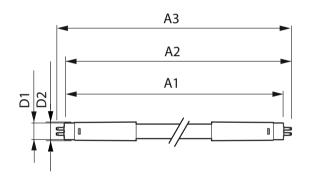
Datasheet, 2024, March 11 data subject to change

# **MASTER LEDtube Mains T5**

Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	1,500 mm				
Bulb Shape	T5				
Approval and Application					
Energy Efficiency Class	D				
Energy Saving Product	Yes				
Approval Marks	RoHS compliance CE marking KEMA Keur				
	certificate				
Energy Consumption kWh/1000 h	20 kWh				

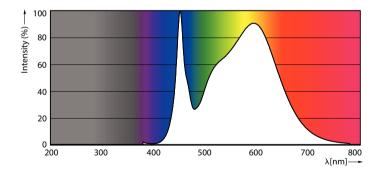
EPREL Registration Number	1476404			
Product Data				
Order product name	MAS LEDtube 1500mm HE 20W 840 TS			
Full product name	MAS LEDtube 1500mm HE 20W 840 T5			
Full product code	871869978357000			
Order code	929002421308			
Material Nr. (12NC)	929002421308			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718699783570			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718699783587			

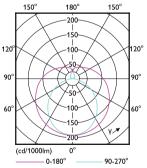
# Dimensional drawing



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					

## Photometric data



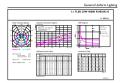


Spectral Power Distribution Colour - MAS LEDtube 1500mm HE 20W 840 T5

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

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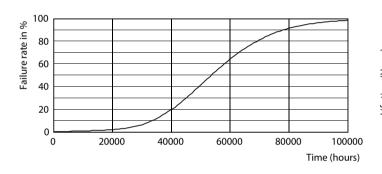
#### Photometric data

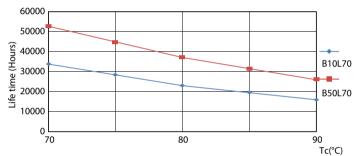


Calculus Photogrammrics 4.5 Philips Lighting G.V. Pages 171

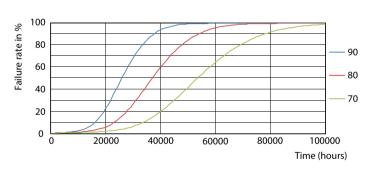
General uniform lighting - MAS LEDtube 1500mm HE 20W 840 T5

### Lifetime

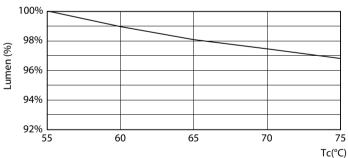




Life Expectancy Diagram - MAS LEDtube 1500mm HE 20W 840 T5



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

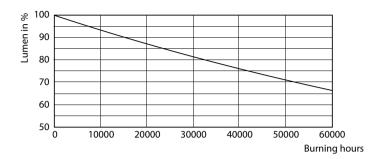


Life Expectancy Diagram - MAS LEDtube 1500mm HE 20W 840 T5

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

# **MASTER LEDtube Mains T5**

### Lifetime



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



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