PHILIPS

# **PHILIPS** Lighting

# MASTER LEDtube Mains T5

# MAS LEDtube 1500mm HE 20W 830 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	830 [CCT of 3000K]	
Beam Angle (Nom)	200 degree(s)	
Luminous Flux	2,800 lumen	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	140.00 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom) 70 %		

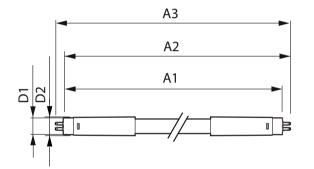
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Nom)	99 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.92
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	75 °C
Controls and Dimming	
Dimmable	No

## **MASTER LEDtube Mains T5**

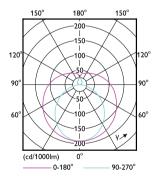
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur
	certificate
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	467,354
CE mark	Yes

EU RoHS compliant	Yes
Product Data	
Full product code	871951433437300
Order product name	MAS LEDtube 1500mm HE 20W 830 T5 EU
Order code	929002421202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929002421202
Full product name	MAS LEDtube 1500mm HE 20W 830 T5 EU
EAN/UPC - Case	8719514334380

#### Dimensional drawing



#### Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm HE 20W 830 T5 EU

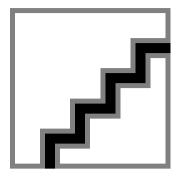
Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HE 20W	15.8 mm	19 mm	1,449 mm	1,454.9 mm	1,463.2 mm
830 T5 EU					

	General Uniform Lightin
1	* TLED 20W 3908K 9290824212
	1 + 200 (+
	Sid Apple

Philips Lighting B.X.

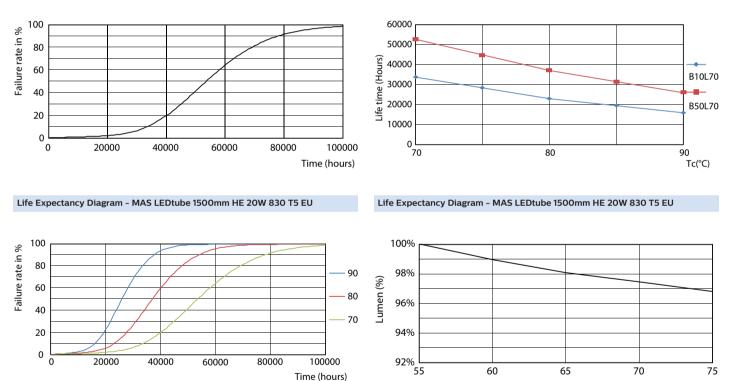
### **MASTER LEDtube Mains T5**

#### Photometric data



Spectral Power Distribution Colour - MAS LEDtube 1500mm HE 20W 830 T5 EU

#### Lifetime



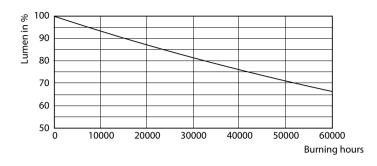
Tc(°C)

Lumen Maintenance Diagram - MAS LEDtube 1500mm HE 20W 830 T5 EU

Life Expectancy Diagram - MAS LEDtube 1500mm HE 20W 830 T5 EU

# MASTER LEDtube Mains T5

Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm HE 20W 830 T5 EU



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