PHILIPS

# **PHILIPS** Lighting

# MASTER LEDtube Mains T5

# MAS LEDtube 900mm HE 11.5W 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		
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	1,600 lm		
Color Designation	White (WH)		
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	139 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		

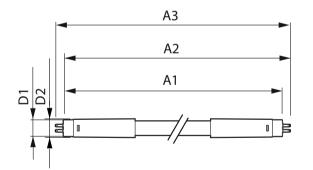
Photobiological safety according to EN 62471	RGO
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	11.5 W
Lamp Current (Max)	57 mA
Lamp Current (Min)	57 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Ballast Compatibility	Mains
LED alternative to fluorescent lamp power	21 W
Inrush current at mains	7
Max. lamp no. on MCB B type 10A - Mains	110
Max. lamp no. on MCB B type 10A - EM ballast	-
without Compensation Capacitor.	

## **MASTER LEDtube Mains T5**

Max. lamp no. on MCB B type 10A – EM ballast	-	Approval Marks
with Compensation Capacitor.		Energy Consumption kWh/1000 h
Max. lamp no. on MCB B type 16A - Mains	175	EPREL Registration Number
Max. lamp no. on MCB B type 16A – EM ballast	-	CE mark
without Compensation Capacitor.		EU RoHS compliant
Max. lamp no. on MCB B type 16A – EM ballast	-	Flickering value (PstLM) - Flickering value as
with Compensation Capacitor.		EN 61000-3-3
		Stroboscopic effect visibility measure (SVM)
Temperature		Ambient temperature range
T-Case Maximum (Nom)	45 °C	
		Product Data
Controls and Dimming		Order product name
Dimmable	No	
		Full product name
Mechanical and Housing		
Bulb Finish	Frosted	Full product code
Bulb Material	Glass	Order code
Product Length	900 mm	Material Nr. (12NC)
Bulb Shape	T5	Numerator - Quantity Per Pack
Net Weight (Piece)	0.112 kg	EAN/UPC - Product/Case
		Numerator - Packs per outer box
Approval and Application		EAN/UPC - Case
Energy Efficiency Class	D	
Energy Saving Product	Yes	

Approval Marks	RoHS compliance		
Energy Consumption kWh/1000 h	12 kWh		
EPREL Registration Number	1587455		
CE mark	Yes		
EU RoHS compliant	Yes		
Flickering value (PstLM) - Flickering value as per	1		
EN 61000-3-3			
Stroboscopic effect visibility measure (SVM)	0.4		
Ambient temperature range	-20 to +45 °C		
Product Data			
Order product name	MAS LEDtube 900mm HE 11.5W		
	830 T5 EU		
Full product name	MAS LEDtube 900mm HE 11.5W		
	830 T5 EU		
Full product code	872016927062600		
Order code	929003734002		
Material Nr. (12NC)	929003734002		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8720169270626		
Numerator - Packs per outer box	10		
EAN/UPC - Case	8720169270633		

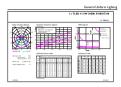
### Dimensional drawing

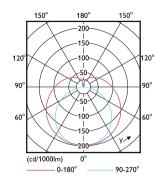


Product	D1	D2	A1	A2	A3
MAS LEDtube 900mm HE 11.5W 830	15.7 mm	19 mm	849 mm	856.1 mm	863.2 mm
T5 EU					

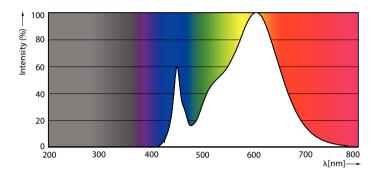
#### **MASTER LEDtube Mains T5**

#### Photometric data



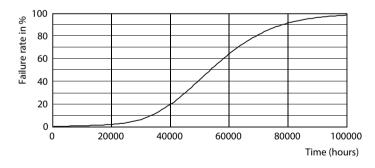


General uniform lighting - MAS LEDtube 900mm HE 11.5W 830 T5 EU



Spectral Power Distribution Colour - MAS LEDtube 900mm HE 11.5W 830 T5 EU

#### Lifetime



98% Lumen (%) 96% 94% 92% ∟ 45 50 55 60 Tc(°C)

Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LEDtube 900mm HE 11.5W 830 T5 EU

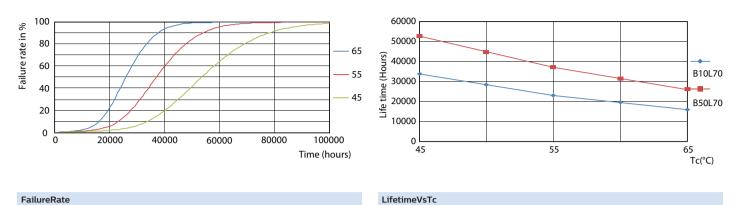
Light Distribution Diagram - MAS LEDtube 900mm HE 11.5W 830 T5 EU

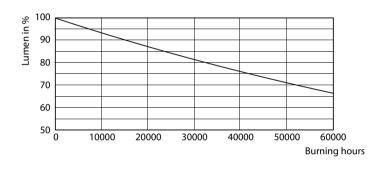
65

100%

#### **MASTER LEDtube Mains T5**

Lifetime





Lumen Maintenance Diagram - MAS LEDtube 900mm HE 11.5W 830 T5 EU



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