



# MASTER LED tube Mains T5



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

MASTER, LEDtube, T5, Mains, 1500 mm, 20 W, 35W TL5 HE, 4000 K, 3000 lm, CRI 80, 60000 h

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, the Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximise value over lifetime with high energy savings and lower maintenance costs.

### Product data

General Information		Luminous efficacy (rated) (nom.)		150 lm/W	
Cap base	G5	Colour consistency	<6		
Nominal lifetime	60,000 h	Colour rendering index (CRI)	80		
Switching Cycle	200,000	LLMF at end of nominal lifetime (nom.)	70 %		
Lighting Technology	LEDtube	Photobiological safety according to EN 62471	RG0		
Flux measurement reference	Sphere	<b>Operating and Electrical</b>			
Warranty period	5 years	Line Frequency	50 to 60 Hz		
<b>Light Technical</b>		Input frequency	50 to 60 Hz		
Colour Code	840 [CCT of 4000K]	Power Consumption	20 W		
Beam angle (nom.)	200 degree(s)	Lamp current (nom.)	99 mA		
Luminous Flux	3,000 lm	Starting time (nom.)	0.5 s		
Colour designation	Cool White (CW)	Warm-up time to 60% light	0.5 s		
Correlated Colour Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9		

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Voltage (nom.)	220-240 V
LED alternative to fluorescent lamp power	35W TL5 HE
Inrush current at mains	7
Max. lamp no. on MCB B type 10A – Mains	63
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	100
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	Mains

## Temperature

T-Case maximum (nom.)	55 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	1,500 mm
Bulb shape	T5
Net Weight (Piece)	0.176 kg

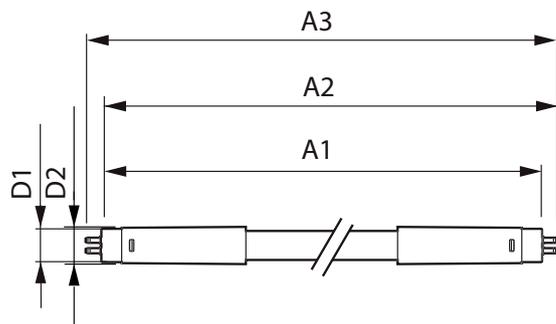
## Approval and Application

Energy Efficiency Class	D
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	20 kWh
EPREL Registration Number	1476404
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

## Product Data

Order product name	MAS LEDtube 1500mm HE 20W 840 T5 EU
Full product name	MAS LEDtube 1500mm HE 20W 840 T5 EU
Full EOC	871951433439700
Order code	929002421302
Material no. (12 NC)	929002421302
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514334397
Numerator – packs per outer box	10
EAN/UPC – Case	8719514334403

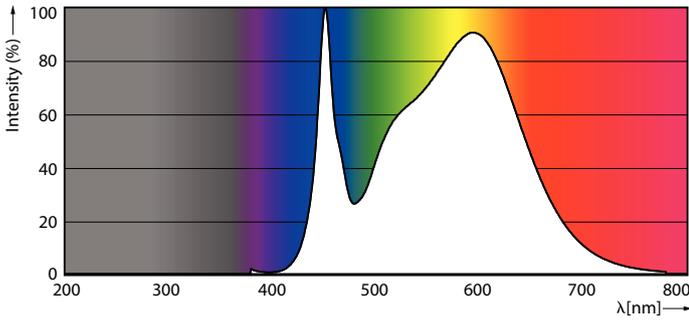
## Dimensional drawing



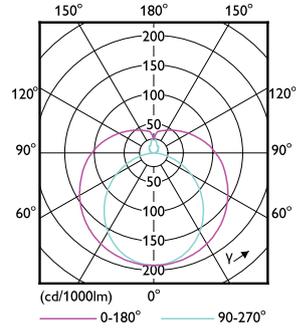
Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HE 20W 840 T5 EU	15.7 mm	19 mm	1,449 mm	1,456.1 mm	1,463.2 mm

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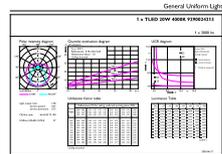
## Photometric data



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



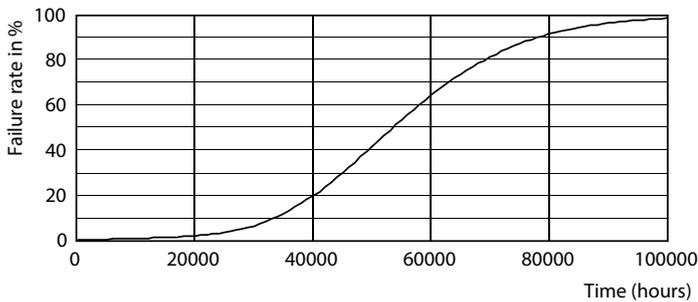
Light Distribution Diagram - MAS LEDtube 1500mm HE 20W 840 T5 EU



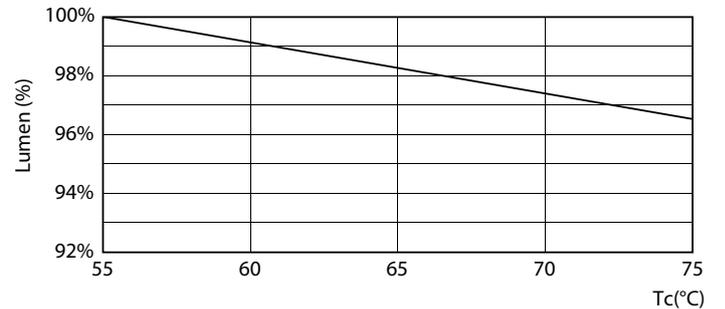
General Uniform Lighting

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

## Lifetime



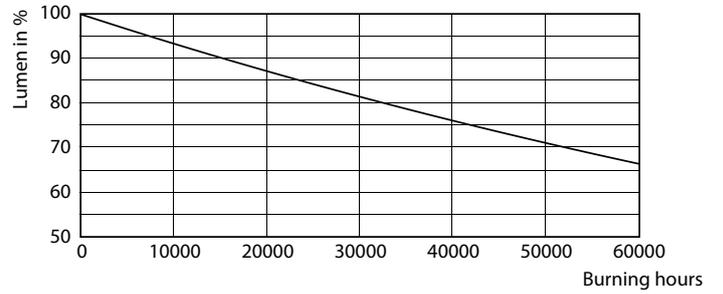
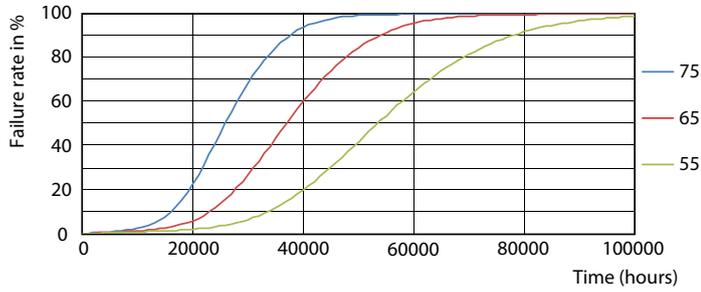
Life Expectancy Diagram



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

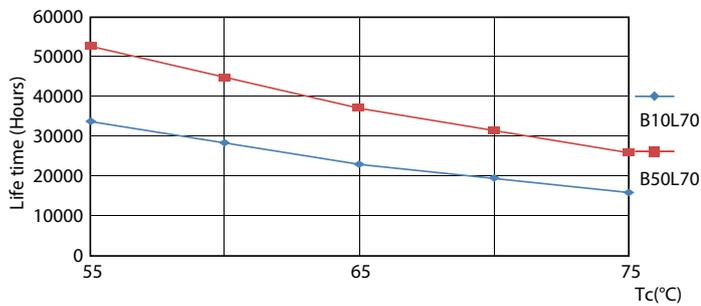
# MASTER LED tube Mains T5

## Lifetime



FailureRate

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



LifetimeVsTc

