



# MASTER LEDtube InstantFit HF T5

## Master LEDtube HF 1200mm HE 16.5W 865 T5

The Philips MASTER LEDtube integrates an LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescents. These T5 lighting tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings, thanks to low energy consumption and an exceptionally long lifetime, make these T5 LED tubes the choice for every demanding applications.

### Product data

General information	
Cap base	G5 [G5]
CE mark	Yes
EU RoHS compliant	Yes
Nominal lifetime	60,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light technical	
Colour Code	865 [CCT of 6500K]
Beam angle (nom.)	200 degree(s)
Luminous Flux	2,500 lm
Colour designation	Cool Daylight
Correlated Colour Temperature	6500 K
Luminous Efficacy (rated) (Nom)	151 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80

LLMF at end of nominal lifetime (nom.) 70 %	
Operating and electrical	
Line Frequency	30K to 100K Hz
Input frequency	30 K to 100 K Hz
Power Consumption	16.5 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.92
Voltage (nom.)	70-120 V
Temperature	
T-Case maximum (nom.)	65 °C
Controls and dimming	
Dimmable	Yes – Check ballast compatibility

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## Mechanical and housing

Lamp Finish	Frosted
Bulb material	Glass
Product length	1,200 mm
Bulb shape	Tube, double-ended

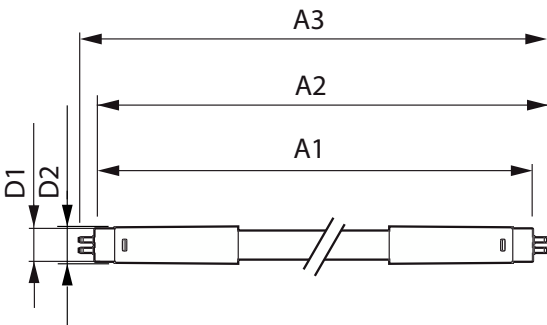
## Approval and application

Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	17 kWh
EPREL registration number	1,384,136

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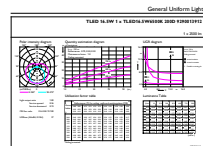
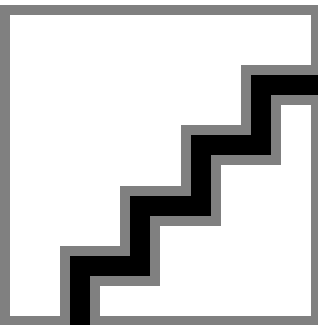
Full EOC	871869674333100
Order product name	MAS LEDtube HF 1200mm HE 16.5W 865 T5
Order code	74333100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material number (12NC)	929001391202
Net weight	0.160 kg
Full product name	Master LEDtube HF 1200mm HE 16.5W 865 T5
EAN/UPC – Case	8718696743348

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HE 16.5W 865 T5	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm

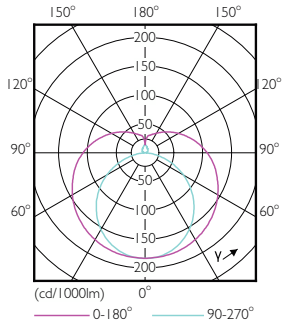
## Photometric data



Spectral Power Distribution Colour - MAS LEDtube HF 1200mm HE 16.5W 865 T5

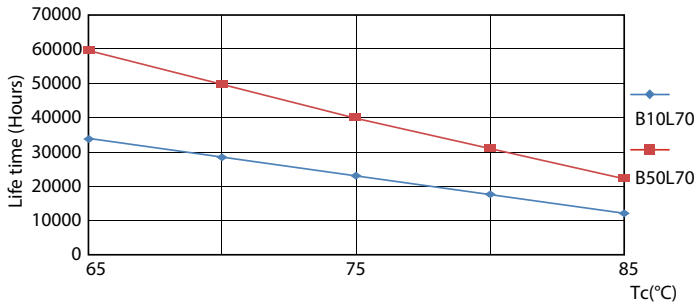
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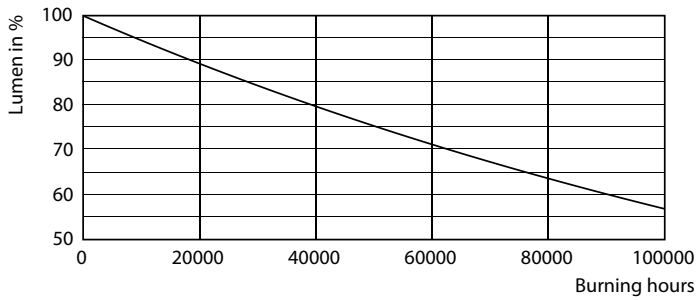


Light Distribution Diagram - MAS LEDtube HF 1200mm HE 16.5W 865 T5

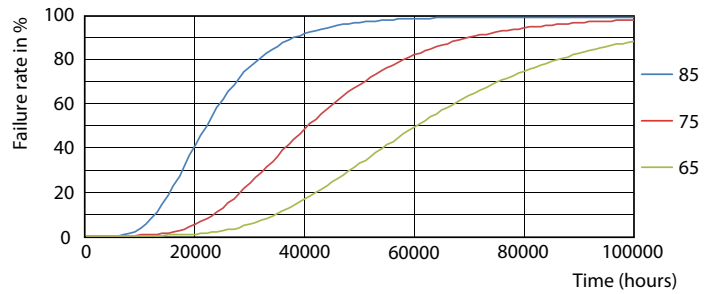
## Lifetime



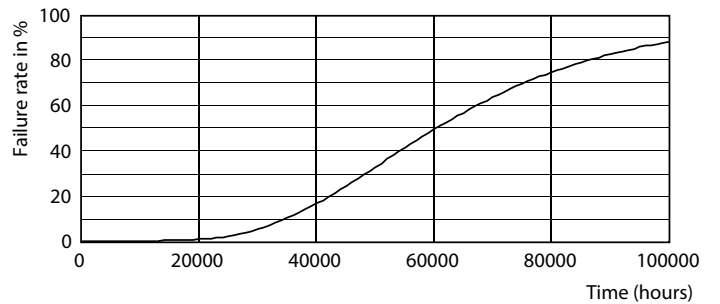
Life Expectancy Diagram - MAS LEDtube HF 1200mm HE 16.5W 865 T5



Lumen Maintenance Diagram - MAS LEDtube HF 1200mm HE 16.5W 865 T5



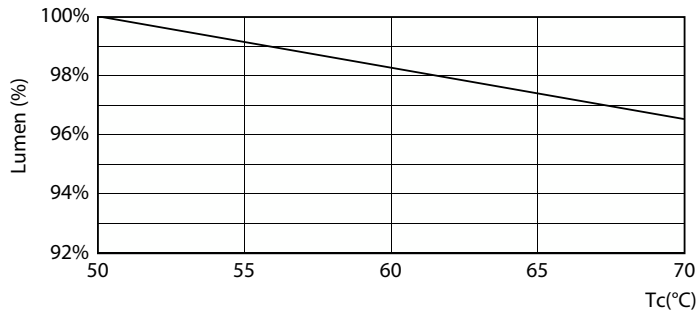
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