



MASTER LEDtube InstantFit HF T5

Master LEDtube HF 1500mm HE 20W 830 T5

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescent. 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 application.

Product data

General information	
Base	G5 [G5]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	50000
Flux measurement reference	Sphere

Light technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 °
Initial lumen (Nom)	2800 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	140.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	30K to 100K Hz
Power (Rated) (Nom)	20 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.92
Voltage (Nom)	80-130 V

Temperature	
T-Ambient (Max)	113 °F
T-Ambient (Min)	-4 °F
T-Storage (Max)	149 °F
T-Storage (Min)	-40 °F
T-Case Maximum (Nom)	149 °F

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Controls and dimming

Dimmable	Yes - Check ballast compatibility
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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	60 in
Bulb Shape	Tube, double-ended

Approval and application

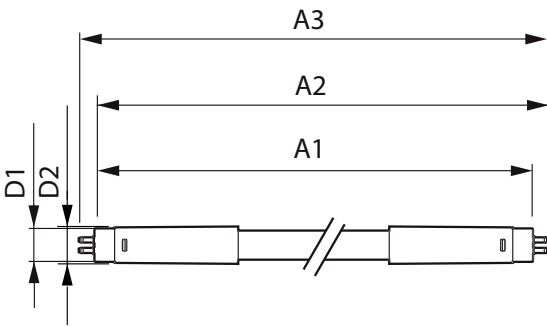
Energy Efficiency Class	E
Energy Saving Product	Yes
Approbation Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	406189

Product data

Order product name	Master LEDtube HF 1500mm HE 20W 830 T5
EAN/UPC - Product	8718696743355
Order code	366211
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001391302
Net Weight (Piece)	0.432 lb

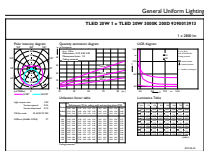
Dimensional drawing



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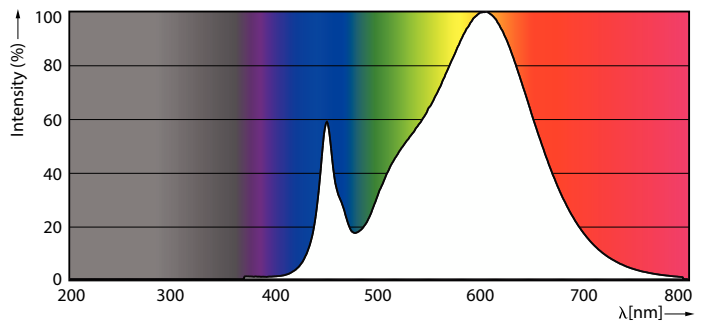
Product	D1	D2	A1	A2	A3
Master LEDtube HF 1500mm HE 20W 830 T5	5/8 in	3/4 in	57-1/16 in	57-3/8 in	57-5/8 in

Photometric data



General Uniform Lighting
1500 mm T5 • 1500 mm HE 20W 830 T5
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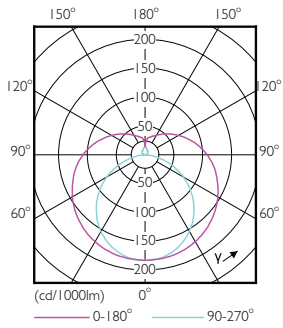
LEDtube 1500mm 20W G5 830 2800lm



Spectral Power Distribution Colour

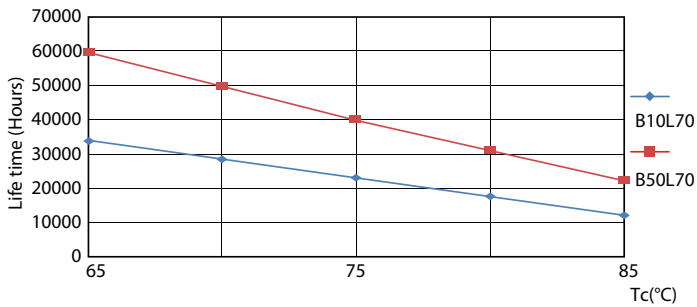
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Photometric data

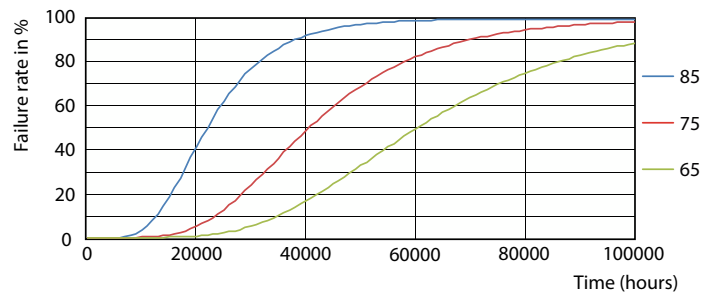


LEDtube 600mm 8W G5 830 1000lm

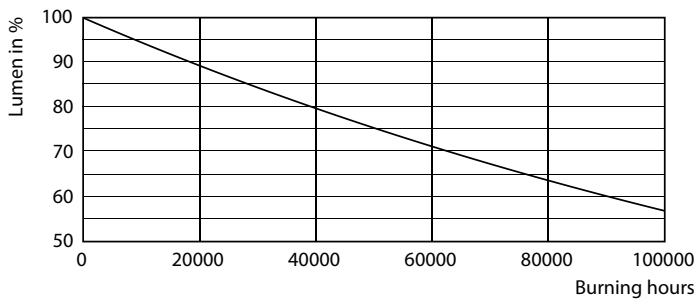
Lifetime



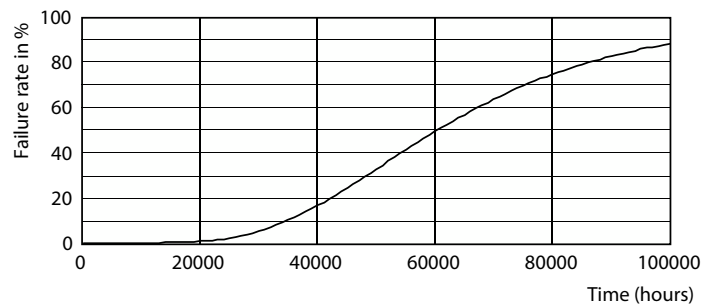
LifetimeVsTc



FailureRate



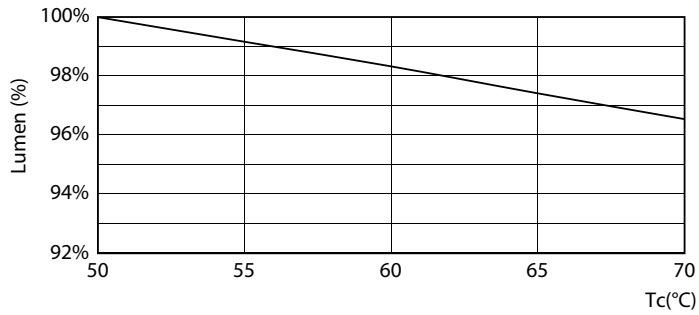
Lumen Maintenance Diagram



Life Expectancy Diagram

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Lifetime



LEDtube MAS SLR 20W 60K LumenVsTc-LMP

