MASTER LEDtube InstantFit HF T5



Master LEDtube HF 1500mm UO 36W 865 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	
Cap-Base	G5 [G5]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	60000 h
Switching Cycle	50000
Flux measurement reference	Sphere

Light technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	200 °
Luminous Flux (Nom)	5600 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	155.00 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 (Nom)	36 W
Lamp Current (Max)	850 mA
Lamp Current (Min)	450 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	55-85 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	75 °C

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Controls and dimming	
Dimmable	Yes - Check ballast compatibility

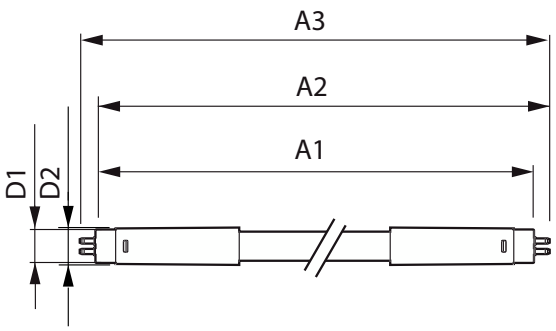
Mechanical and housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1500 mm
Bulb Shape	Tube, double-ended

Approval and application	
Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	36 kWh

EPREL Registration Number	989224

Product data	
Full product code	871951441909400
Order product name	Master LEDtube HF 1500mm UO 36W 865 T5
EAN/UPC - Product	8719514419094
Order code	41909400
Local order code	MLDT5U36/1586HF
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003154102
Net Weight (Piece)	0.170 kg

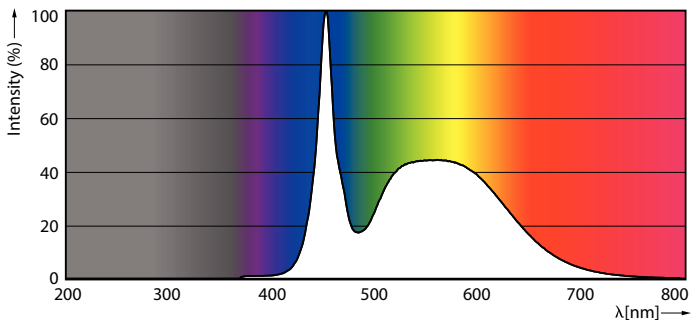
Dimensional drawing



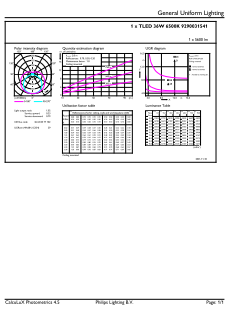
Master LEDtube HF 1500mm UO 36W 865 T5

Product	D1	D2	A1	A2	A3
Master LEDtube HF 1500mm UO 36W 865 T5	15.5 mm	19 mm	1449 mm	1456 mm	1463 mm

Photometric data



LEDtube MAS EU 36W G5 5600lm 865-POC



LEDtube MAS EU 36W G5 5600lm 865-GUL

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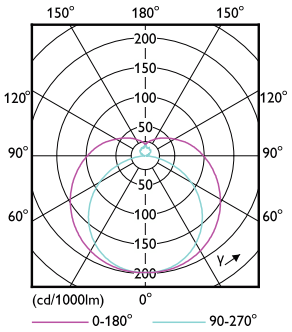
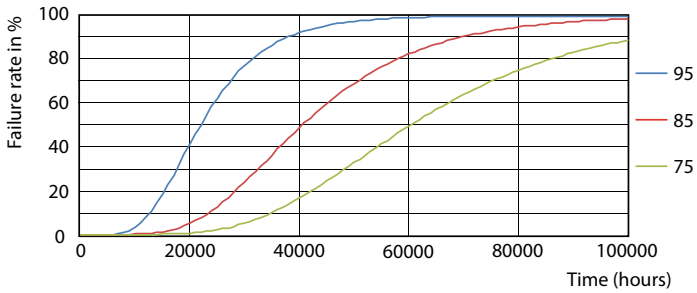
Photometric data

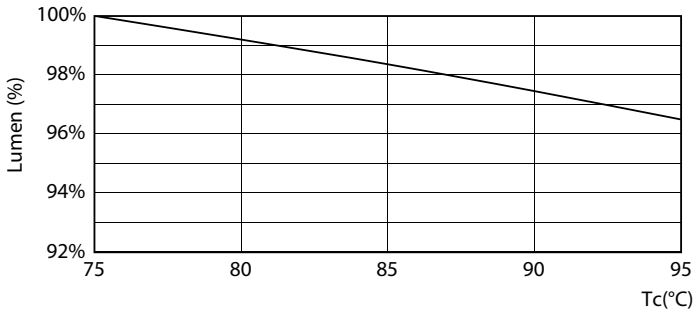


LEDtube MAS EU 36W G5 5200lm-LDD

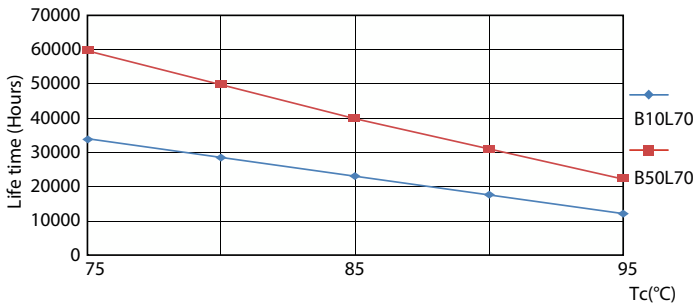
Lifetime



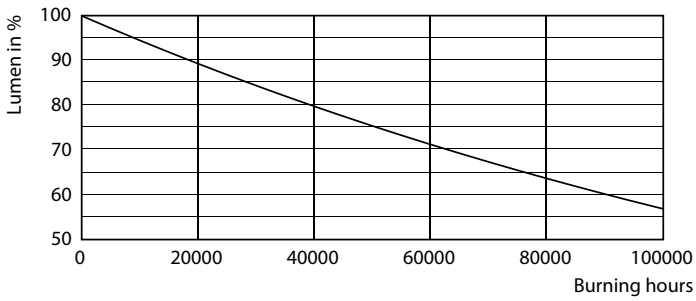
LEDtube 60K 7595 FailureRate-LED



LEDtube MAS EU 36W 60K LumenVsTc-LMP



LEDtube 60K 7595 LifetimeVsTc-LED



Lumen Maintenance Diagram

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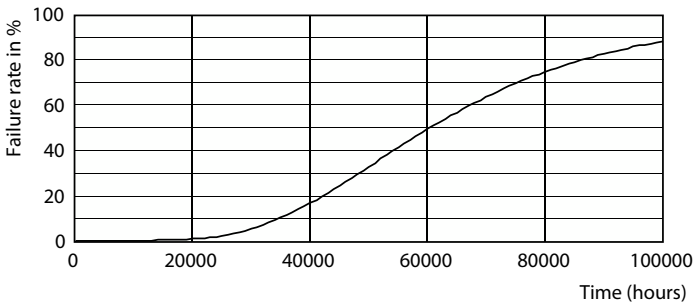
Lifetime



Life Expectancy Diagram

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