PHILIPS

Lighting

MASTER LEDtube InstantFit HF T5

MAS LEDtube HF 1500mm UO 36W 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	
Cap-Base	G5 [G5]
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	5,200 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	144.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	40000-75000 Hz
Input Frequency	40000-75000 Hz
Power Consumption	36 W
Lamp Current (Max)	750 mA
Lamp Current (Min)	550 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	65-75 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	75 °C

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Controls and Dimming	
Dimmable	No

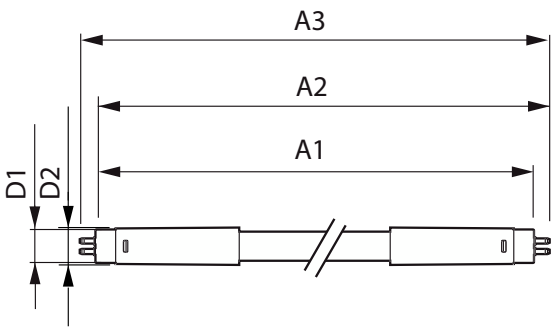
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,500 mm
Bulb Shape	T5

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

EPREL Registration Number	415181

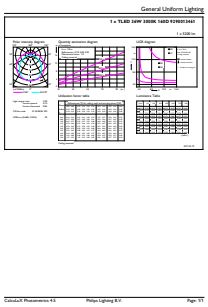
Product Data	
Order product name	MAS LEDtube HF 1500mm UO 36W 830 T5
Full product name	MAS LEDtube HF 1500mm UO 36W 830 T5
Full product code	871869670599500
Order code	929001346102
Material Nr. (12NC)	929001346102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696705995
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696706008

Dimensional drawing

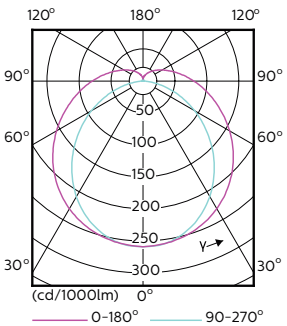


Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm UO 36W 830 T5	15.2 mm	21 mm	1,447.8 mm	1,454.9 mm	1,462 mm

Photometric data



General uniform lighting - MAS LEDtube HF 1500mm UO 36W 830 T5



Light Distribution Diagram - MAS LEDtube HF 1500mm UO 36W 830 T5

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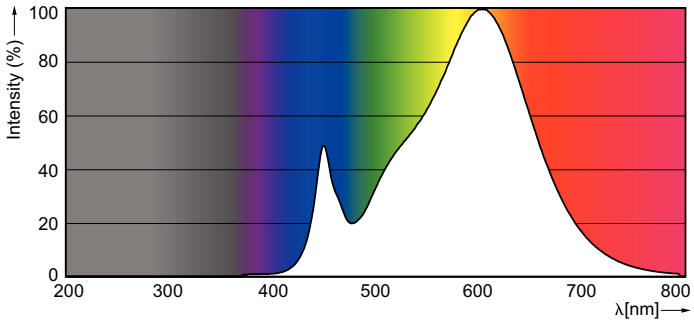
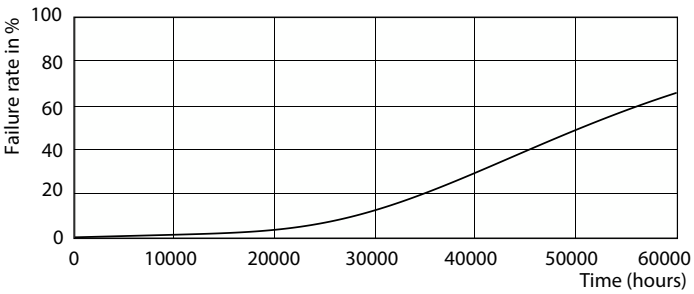
Photometric data

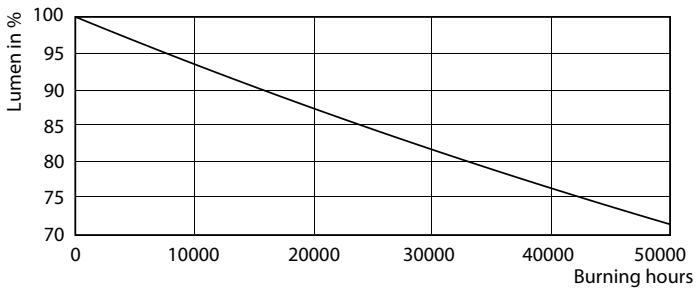


Spectral Power Distribution Colour - MAS LEDtube HF 1500mm UO 36W 830 T5

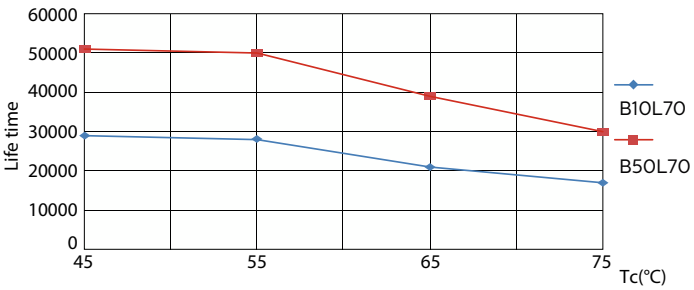
Lifetime



Life Expectancy Diagram - MAS LEDtube HF 1500mm UO 36W 830 T5



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm UO 36W 830 T5



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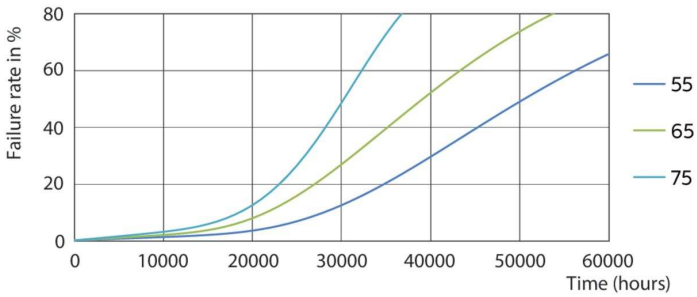

Life Expectancy Diagram - MAS LEDtube HF 1500mm UO 36W 830 T5

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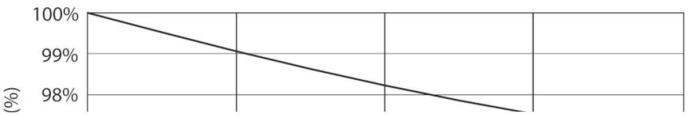
Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm UO 36W 830 T5

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