PHILIPS

Lighting

MASTER LEDtube Mains T5

MAS LEDtube 1500mm UO 36W 830 T5

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

Product data

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
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)	200 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 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	36 W
Lamp Current (Nom)	160 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	80 W
Inrush current at mains	10.1
Max. lamp no. on MCB B type 10A - Mains	21

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Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A - Mains	34
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
Ballast Compatibility	Mains

Temperature

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

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T5

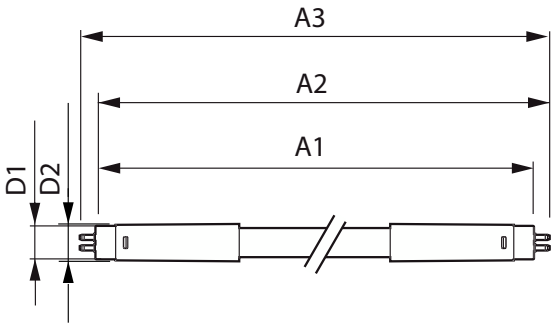
Approval and Application

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	403646

Product Data

Order product name	MAS LEDtube 1500mm UO 36W 830 T5
Full product name	MAS LEDtube 1500mm UO 36W 830 T5
Full product code	871951429050100
Order code	929002474802
Material Nr. (12NC)	929002474802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514290501
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514290518

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UO 36W 830 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm

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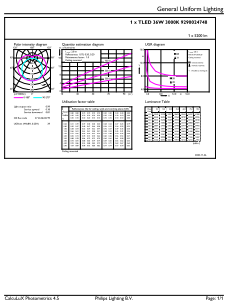
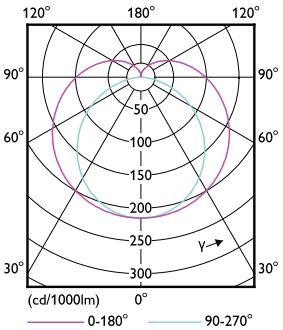
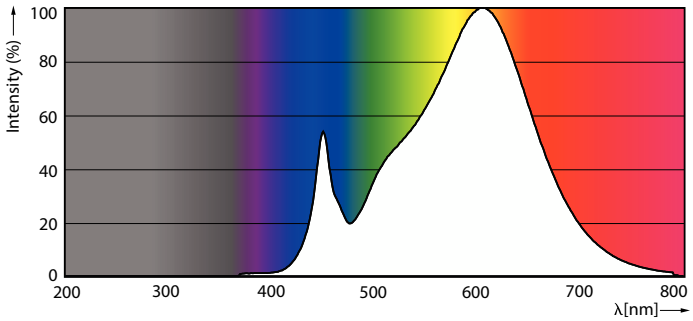
Photometric data



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

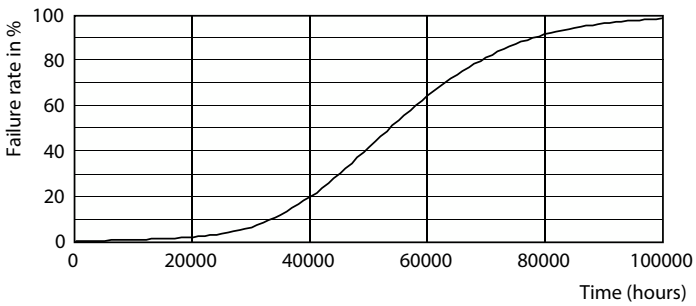


Light Distribution Diagram - MAS LEDtube 1500mm UO 36W 830 T5

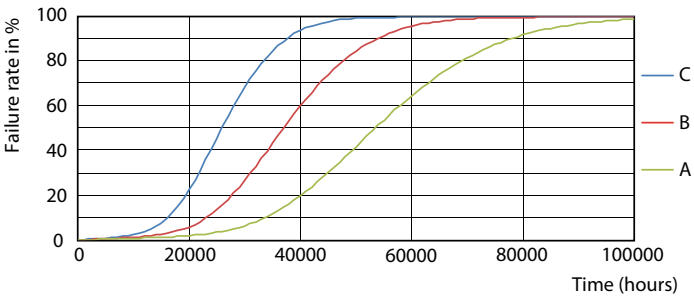


Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 36W 830 T5

Lifetime



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



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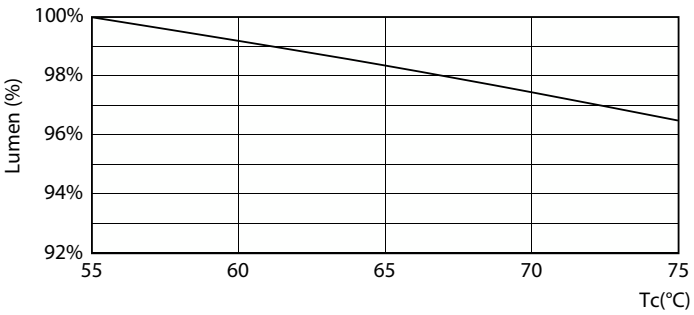
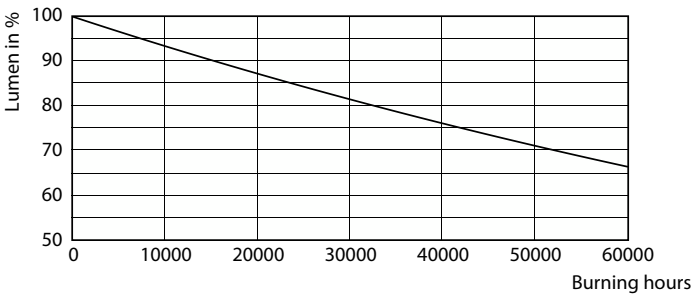
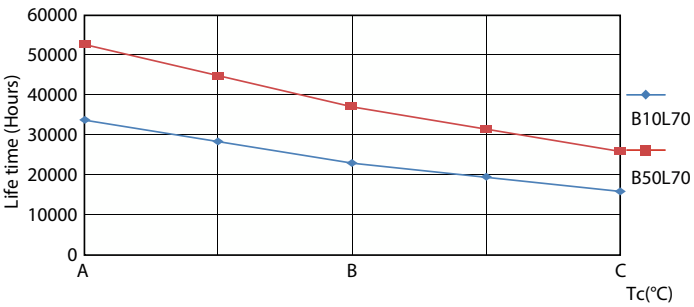
Lifetime



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



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



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

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