



MASTER LED tube Mains T5

MASTER LEDtube 1500mm UO 36W 840 T5

MASTER, LEDtube, T5, Mains, 1500 mm, 36 W, 80W TL5 HO, 4000 K, 5600 lm, CRI 80, 50000 hour(s)

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

Product data

General Information	
Cap-Base	G5
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LEDtube
Flux measurement reference	Sphere
Warranty period	5 years
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	200 degree(s)
Luminous Flux	5,600 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K

Luminous Efficacy (rated) (Nom)	155 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
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)	0.92

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Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	80W TL5 HO
Inrush current at mains	10.1
Max. lamp no. on MCB B type 10A – Mains	21
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	34
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	Mains

Temperature

T-Case Maximum (Nom)	75 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,500 mm
Bulb Shape	T5
Net Weight (Piece)	0.196 kg

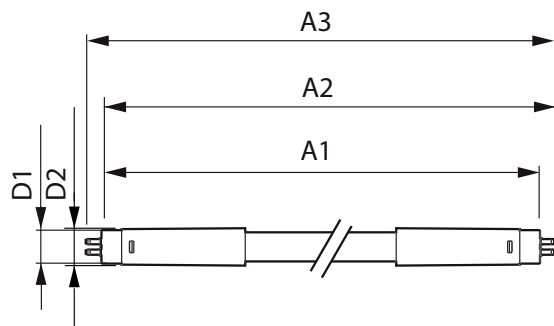
Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	36 kWh
EPREL Registration Number	403647
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 °C to 45 °C

Product Data

Order product name	MAS LEDtube 1500mm UO 36W 840 T5
Full product name	MASTER LEDtube 1500mm UO 36W 840 T5
Full product code	871951429052500
Order code	29052500
Material Nr. (12NC)	929002474902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514290525
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514290532

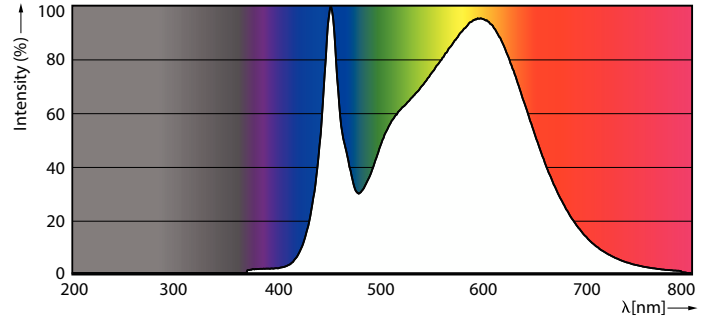
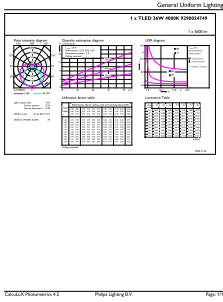
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UO 36W 840 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm

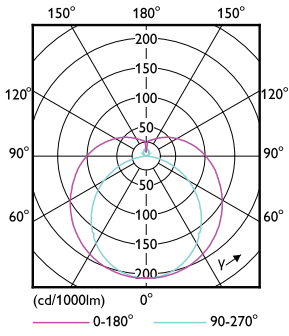
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Photometric data



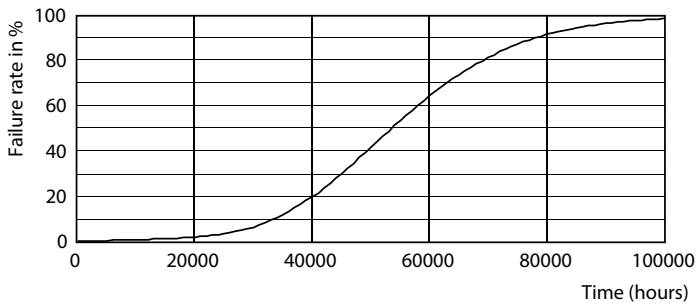
General uniform lighting - MAS LEDtube 1500mm UO 36W 840 T5

Spectral Power Distribution Colour - MAS LEDtube 1500mm UO 36W 840 T5

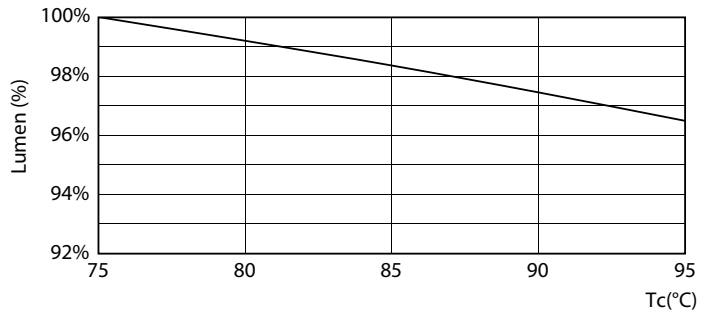


Light Distribution Diagram - MAS LEDtube 1500mm UO 36W 840 T5

Lifetime



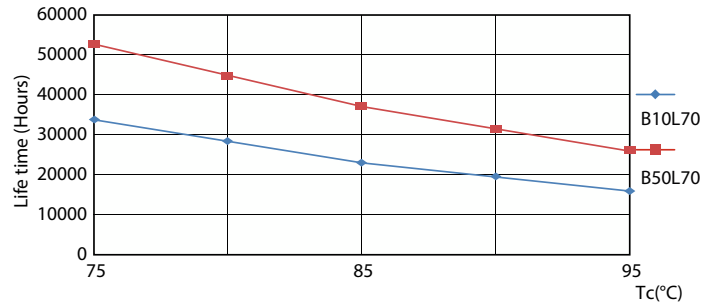
Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 36W 840 T5

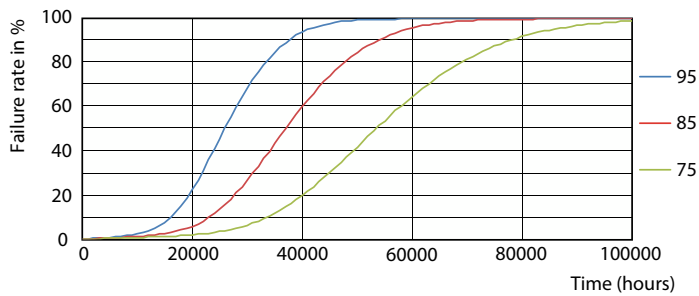
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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1500mm UO 36W 840 T5

LEDtube 50K 7595 LifetimeVsTc-LED



LEDtube 50K 7595 FailureRate-LED

