



MASTER LED tube InstantFit HF T5



MAS LEDtube HF 1500mm UO 36W 840 T5

MASTER, LEDtube, T5, HF, 1500 mm, 36 W, 80W TL5 HO, 4000 K, 5600 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, HF, 1500 mm, 36 W, LED alternative to 80W TL5 HO, 4000 K, 5600 lm, CRI 80, 60000 hour(s), 155.00 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 1500 mm, RG0, SDCM 6, PF 0.9, IP20

Product data

General Information		Photobiological safety according to EN 62471	
Cap-Base	G5	RG0	
Nominal lifetime	60,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LEDtube		
Flux measurement reference	Sphere		
Warranty period	5 years		
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	30K to 100K Hz
Beam Angle (Nom)	200 degree(s)	Input Frequency	30K to 100K Hz
Luminous Flux	5,600 lm	Power Consumption	36 W
Color Designation	Cool White (CW)	Lamp Current (Max)	850 mA
Correlated Color Temperature (Nom)	4000 K	Lamp Current (Min)	450 mA
Luminous Efficacy (rated) (Nom)	155.00 lm/W	Starting Time (Nom)	0.5 s
Color Consistency	<6	Warm-up time to 60% light	0.5 s
Color rendering index (CRI)	80	Power Factor (Fraction)	0.9
LLMF At End Of Nominal Lifetime (Nom)	70 %	Voltage (Nom)	55-85 V
		LED alternative to fluorescent lamp power	80W TL5 HO
		Inrush current at mains	-
		Max. lamp no. on MCB B type 10A - Mains	-
		Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-

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Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	-
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	HF

Temperature

T-Case Maximum (Nom)	75 °C
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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	1,500 mm
Bulb Shape	T5
Net Weight (Piece)	0.170 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	989223
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

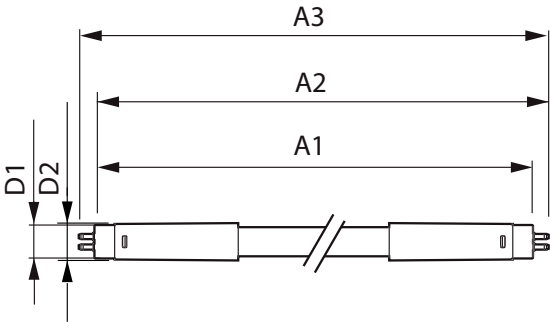
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	MAS LEDtube HF 1500mm UO 36W 840 T5
Full product name	MAS LEDtube HF 1500mm UO 36W 840 T5
Full product code	871951441907000
Order code	929003154002
Material Nr. (12NC)	929003154002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514419070
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514419087

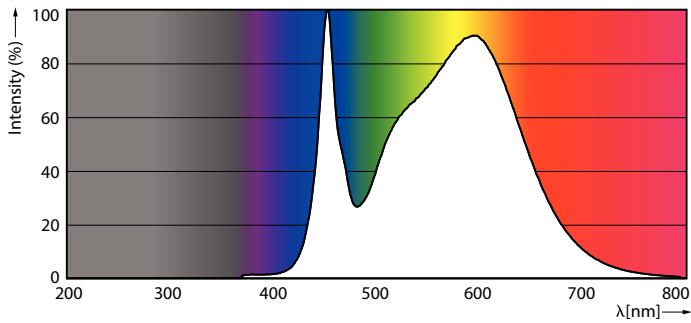
Dimensional drawing



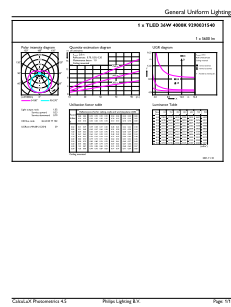
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm UO 36W 840 T5	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm

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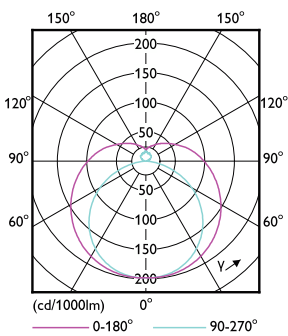
Photometric data



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

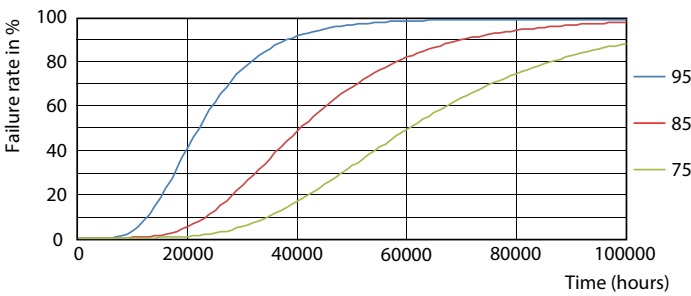


General uniform lighting - MAS LEDtube HF 1500mm UO 36W 840 T5

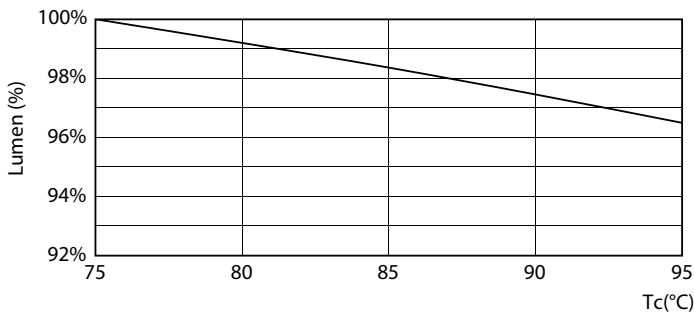


Light Distribution Diagram - MAS LEDtube HF 1500mm UO 36W 840 T5

Lifetime



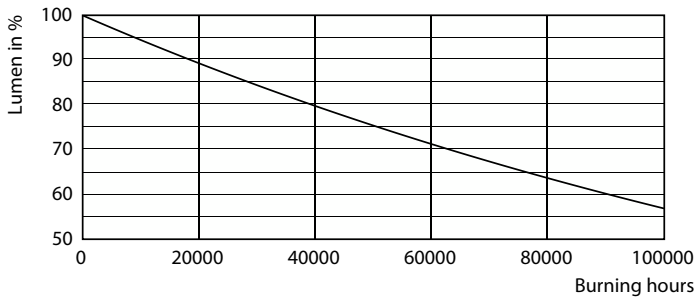
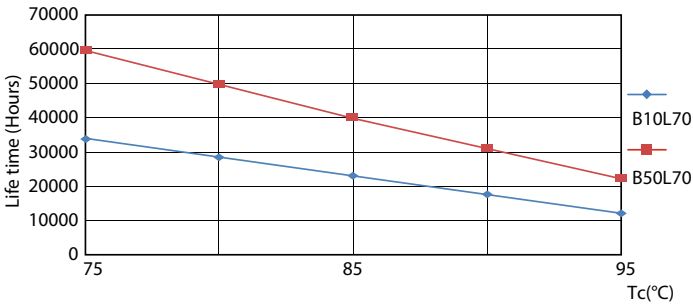
LEDtube 60K 7595 FailureRate-LED



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

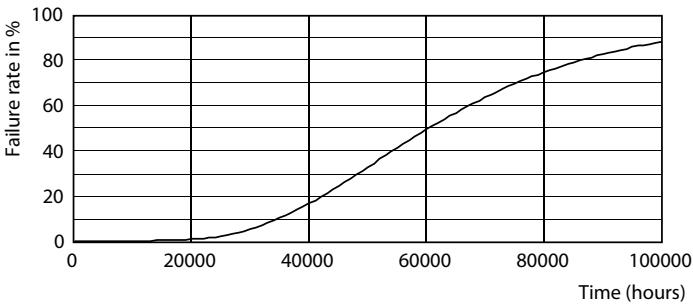
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Lifetime



LEDtube 60K 7595 LifetimeVsTc-LED

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



Life Expectancy Diagram

