



MASTER LED tube InstantFit HF T5



MAS LEDtube HF 1500mm HE 20W 840 T5

MASTER, LEDtube, T5, HF, 1500 mm, 20 W, 35W TL5 HE, 4000 K, 3000 lm, CRI 80, 60000 hour(s)

MASTER, LEDtube, T5, HF, 1500 mm, 20 W, LED alternative to 35W TL5 HE, 4000 K, 3000 lm, CRI 80, 60000 hour(s), 150 lm/W, EEL D, G5, Beam angle 200 degree(s), Glass, 1500 mm, RG0, SDCM 6, PF 0.92, 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	3,000 lm	Power Consumption	20 W
Color Designation	Cool White (CW)	Lamp Current (Max)	350 mA
Correlated Color Temperature (Nom)	4000 K	Lamp Current (Min)	150 mA
Luminous Efficacy (rated) (Nom)	150 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)	0.92
LLMF At End Of Nominal Lifetime (Nom)	70 %	Voltage (Nom)	80-130 V
		LED alternative to fluorescent lamp power	35W TL5 HE
		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.	-

MASTER LED tube InstantFit HF T5

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)	65 °C
----------------------	-------

Controls and Dimming

Dimmable	Yes - Check ballast compatibility
----------	-----------------------------------

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	20 kWh
EPREL Registration Number	1384138
CE mark	Yes
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

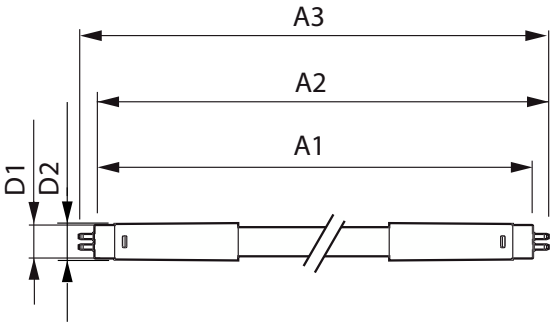
Application Conditions

Wireless Technology	Not applicable
---------------------	----------------

Product Data

Order product name	MAS LEDtube HF 1500mm HE 20W 840 T5
Full product name	MAS LEDtube HF 1500mm HE 20W 840 T5
Full product code	871869674337900
Order code	929001391402
Material Nr. (12NC)	929001391402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696743379
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696743386

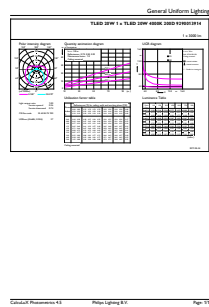
Dimensional drawing



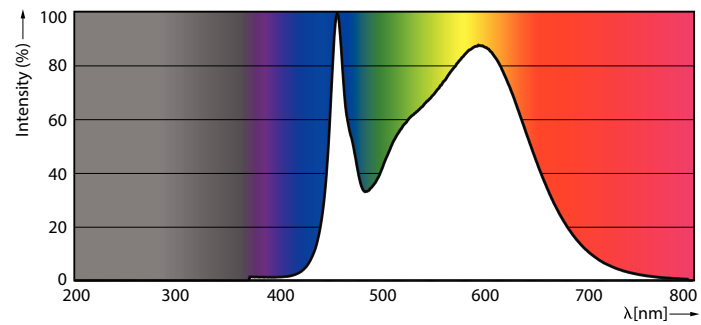
Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm

MASTER LED tube InstantFit HF T5

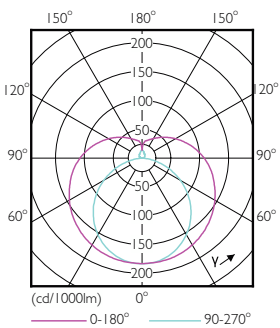
Photometric data



General uniform lighting - MAS LEDtube HF 1500mm HE 20W 840 T5

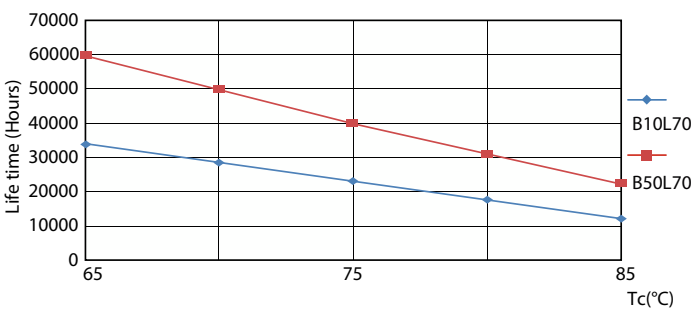


Spectral Power Distribution Colour - MAS LEDtube HF 1500mm HE 20W 840 T5

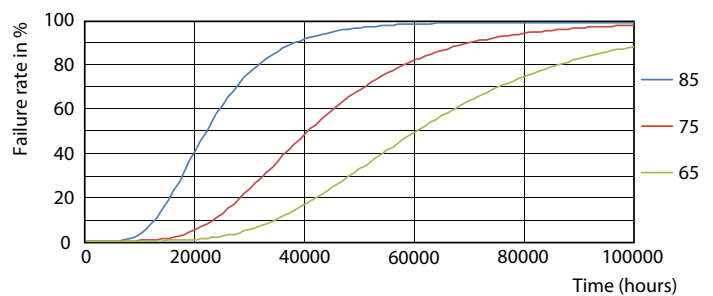


Light Distribution Diagram - MAS LEDtube HF 1500mm HE 20W 840 T5

Lifetime



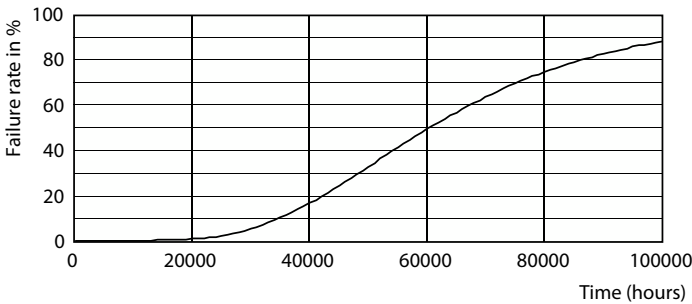
LifetimeVsTc



FailureRate

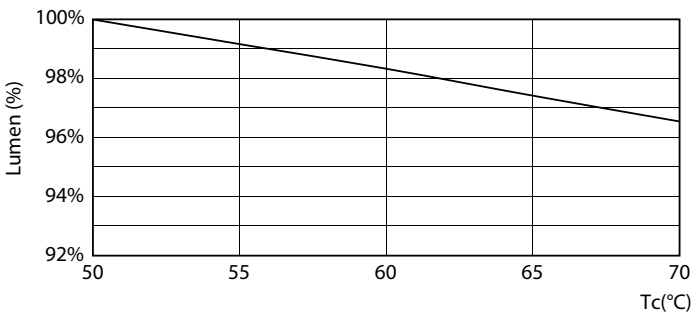
MASTER LED tube InstantFit HF T5

Lifetime



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HE 20W 840 T5

Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube HF 1500mm HE 20W 840 T5

