



MASTER LEDtube EM/ Mains

MASTER LEDtube 1500mm UO 21.7W 840 T8

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. This product is the ideal solution for up lighting in general lighting applications.

Warnings and Safety

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Product data

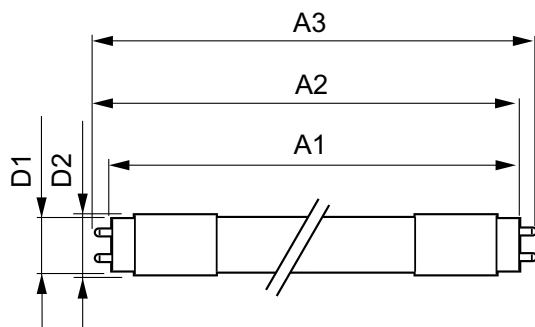
General Information		LLMF at end of nominal lifetime (nom.) 70 %	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]		
EU RoHS compliant	Yes		
Nominal lifetime (nom.)	70000 h		
Switching cycle	200,000X Sphere		
Light Technical		Operating and Electrical	
Colour Code	840 [CCT of 4,000 K]	Input frequency	50 to 60 Hz
Technical Beam Angle (Nom)	160 °	Power (Rated) (Nom)	21.7 W
Lamp Luminous Flux 25°C EL (Nom)	3700 lm	Lamp current (max.)	108 mA
Colour Designation	Cool White (CW)	Lamp current (min.)	89 mA
Colour Temperature, horizontal (Nom)	4000 K	Starting time (nom.)	0.5 s
Lamp Luminous Efficacy EM (Nom)	170.00 lm/W	Warm-up time to 60% light (nom.)	0.5 s
Colour consistency	<6	Power factor (nom.)	0.9
Colour Rendering Index,horiz (Nom)	80	Voltage (Nom)	220-240 V
		Temperature	
		T-ambient (max.)	45 °C
		T-ambient (min.)	-20 °C
		T storage (max.)	65 °C
		T storage (min.)	-40 °C

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T-Case maximum (nom.)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Plastic
Product length	1500 mm
Bulb shape	Tube, double-ended
Approval and Application	
Energy Efficiency Class	C
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	22 kWh
	403547
Product Data	
Full product code	871951431664500
Order product name	MASTER LEDtube 1500mm UO 21.7W 840 T8
EAN/UPC – product	8719514316645
Order code	929002998602
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002998602
SAP net weight (piece)	0.450 kg

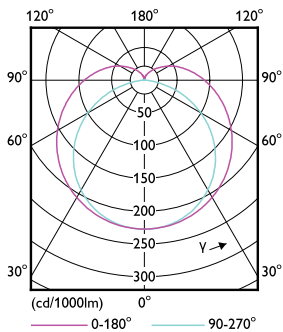
Dimensional drawing



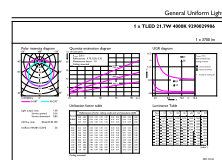
TLED T8 220-240V 21.8-58W 3700lm 4000K

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UO 21.7W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

Photometric data



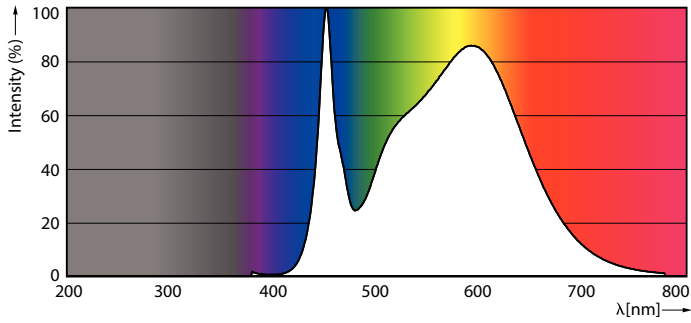
LEDtube MAS 14,7W G13 2300lm



LEDtube MAS 21,7W G13 3700lm 840

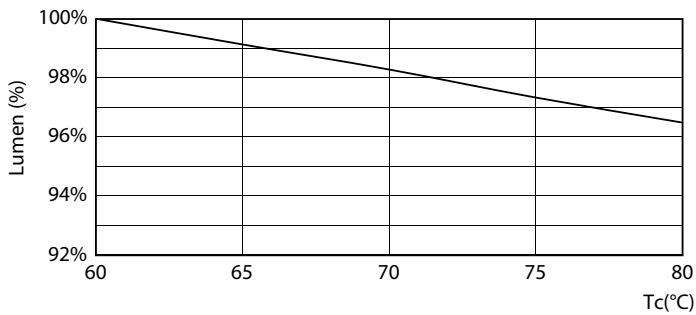
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Photometric data

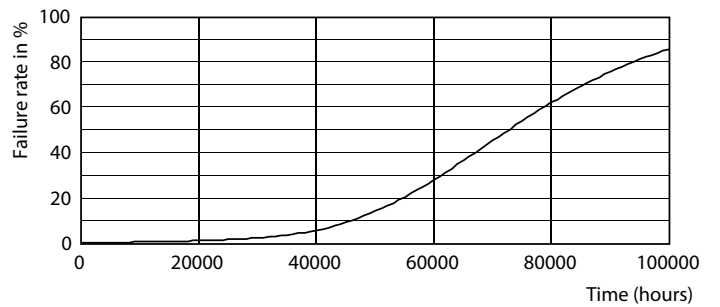


LEDtube MAS 21,7W G13 3700lm 840

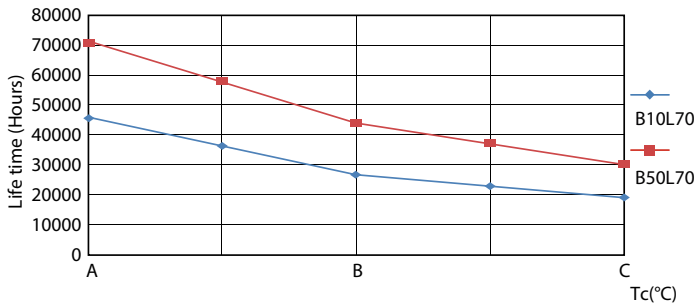
Lifetime



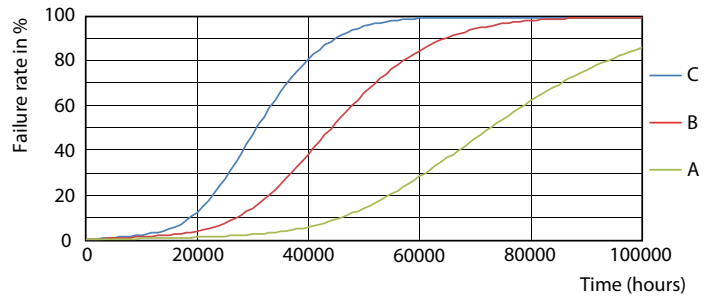
LEDtube MAS 21,7W 70K LumenVsTc



LEDtube_70K-LED



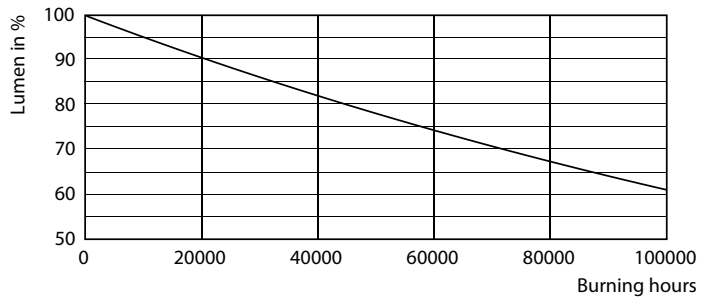
LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

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Lifetime



LEDtube_70K-LMP

