



Master Value LEDtube Universal T8



MAS LEDtube VLE UN 1500mm UO 23W840 T8

The new Philips MASTER LEDtube Universal T8 brings ease and simplicity to your lighting project. You don't need to match the driver technology any more: a unique design enables the Philips MASTER LEDtube Universal T8 to directly fit in luminaires operating on either electromagnetic ballasts or HF electronic ballasts or mains power connection. It is so simple to operate and you no longer need to stock two types of tubes! Perfectly safe, reliable and easy to install, the Philips MASTER LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes: to maximise value over lifetime with high energy savings and lower maintenance costs.

Product data

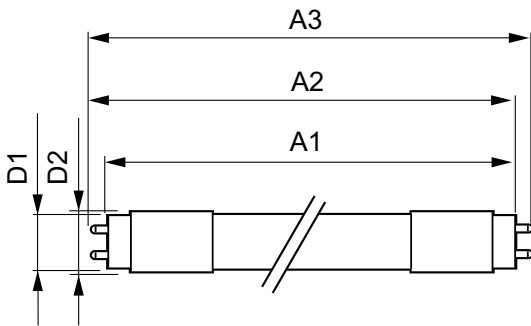
General Information		LLMF at end of nominal lifetime (nom.) 70 %	
Cap base	G13 [Medium Bi-Pin Fluorescent]	Operating and Electrical	
EU RoHS compliant	Yes	Input frequency	50 to 60 Hz
Nominal lifetime (nom.)	60000 h	Power (Rated) (Nom)	23 W
Switching cycle	50,000X	Lamp current (nom.)	106 mA
	Sphere	Starting time (nom.)	0.5 s
		Warm-up time to 60% light (nom.)	0.5 s
		Power factor (nom.)	0.9
		Voltage (Nom)	220-240 V
Light Technical		Temperature	
Colour Code	840 [CCT of 4,000 K]	T-ambient (max.)	45 °C
Beam Angle (Nom)	190 °	T-ambient (min.)	-20 °C
Luminous flux (nom.)	3700 lm	T storage (max.)	65 °C
Colour designation	Cool White (CW)	T storage (min.)	-40 °C
Correlated Colour Temperature (Nom)	4000 K		
Luminous efficacy (rated) (nom.)	160.00 lm/W		
Colour consistency	<6		
Colour rendering index (nom.)	80		

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T-Case maximum (nom.)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Glass
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	23 kWh
	403662
Product Data	
Full product code	871951431676800
Order product name	MAS LEDtube VLE UN 1500mm UO 23W840 T8
EAN/UPC – product	8719514316768
Order code	31676800
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929002997402
SAP net weight (piece)	0.270 kg

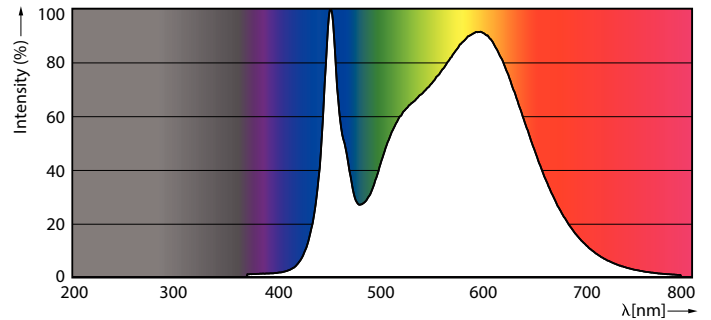
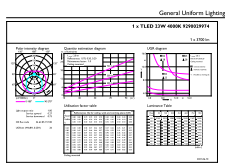
Dimensional drawing



MasValUni 5ft 23W 3700lm 4000K

Product	D1	D2	A1	A2	A3
MAS LEDtube VLE UN 1500mm UO 23W840 T8	26 mm	28 mm	1500 mm	1506 mm	1514 mm

Photometric data



LEDtube MAS 1 23W G13 3700lm 840-GUL

LEDtube MAS 1 15,5W G13 2500lm 840-POC

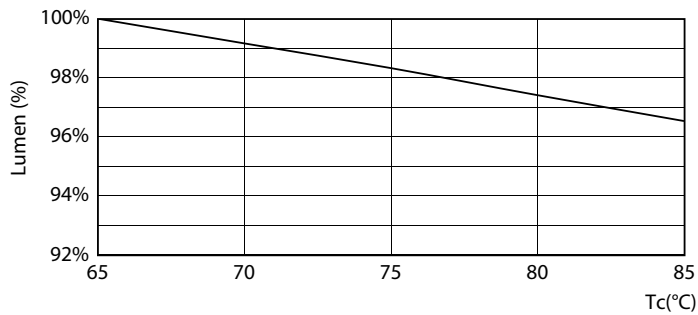
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Photometric data

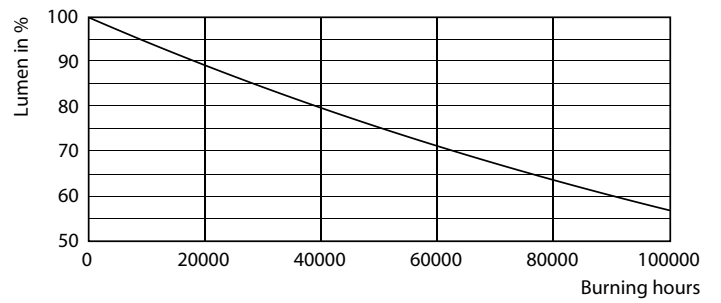


LEDtube MAS 1 15,5W G13 2300lm-LDD

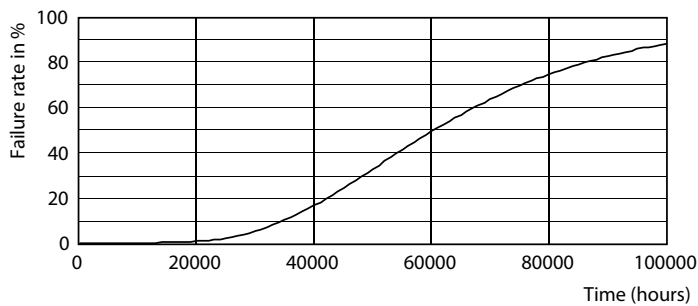
Lifetime



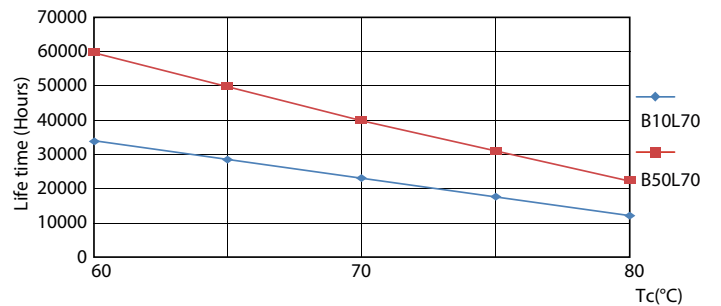
LEDtube MAS 1 23W 60K LumenVsTc-LMP



LEDtube_60K



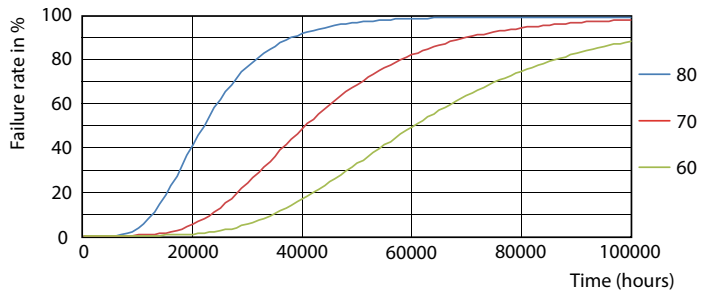
LEDtube_60K



LEDtube MAS 1 23W 60K LifetimeVsTc-LED

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Lifetime



LEDtube MAS 1 23W 60K FailureRate-LED

