



# MASTER LEDtube EM/ Mains

## MASTER LEDtube 1500mm UO 23W 830 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

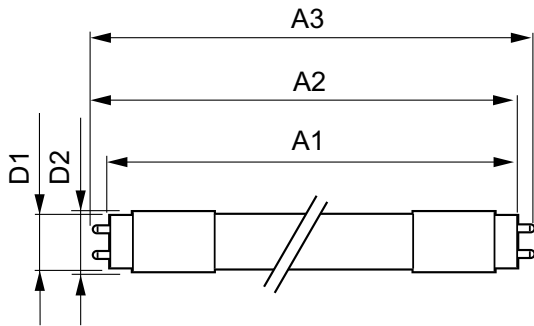
General Information		Operating and Electrical	
Cap base	G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent]	Input frequency	50 to 60 Hz
EU RoHS compliant	Yes	Power (Rated) (Nom)	23 W
Nominal lifetime (nom.)	60000 h	Lamp current (max.)	108 mA
Switching cycle	200,000X	Lamp current (min.)	99 mA
Light Technical		Starting time (nom.)	0.5 s
Colour Code	830 [ CCT of 3,000 K]	Warm-up time to 60% light (nom.)	0.5 s
Beam Angle (Nom)	160 °	Power factor (nom.)	0.9
Lamp Luminous Flux 25°C EL (Nom)	3400 lm	Voltage (Nom)	220-240 V
Colour Designation	White (WH)	Temperature	
Colour Temperature, horizontal (Nom)	3000 K	T-ambient (max.)	45 °C
Lamp Luminous Efficacy EM (Nom)	147.00 lm/W	T-ambient (min.)	-20 °C
Colour consistency	<6	T storage (max.)	65 °C
Colour Rendering Index,horiz (Nom)	83	T storage (min.)	-40 °C
LLMF at end of nominal lifetime (nom.)	70 %	T-Case maximum (nom.)	60 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb material	Plastic
Product length	1500 mm
Approval and Application	
Energy efficiency label (EEL)	A++
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	23 kWh

Product Data	
Full product code	871869964727800
Order product name	MASTER LEDtube 1500mm UO 23W 830 T8
EAN/UPC – product	8718699647278
Order code	929002020802
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12 NC)	929002020802
SAP net weight (piece)	0.310 kg

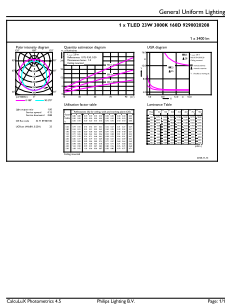
## Dimensional drawing



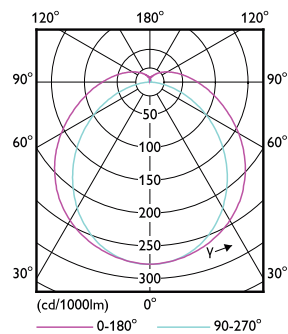
TLED 5ft 220-240V 23-58W 3400lm3000K G13

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UO 23W 830 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm

## Photometric data



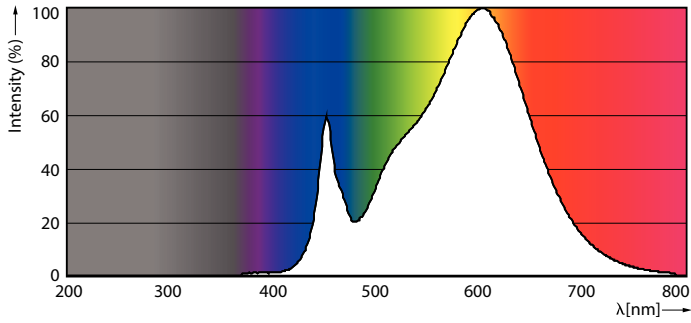
TLED\_5ft\_220-240V\_23-58W\_3400lm\_3000K\_G13



TLED\_5ft\_220-240V\_23-58W\_G13

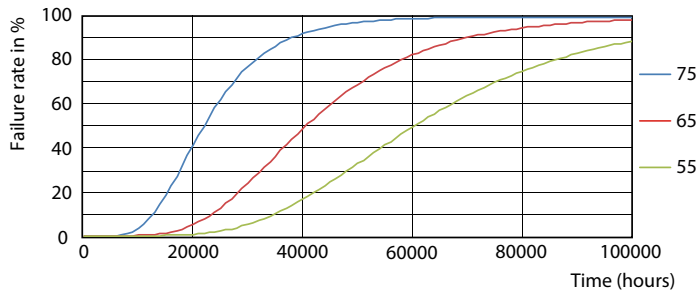
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## Photometric data

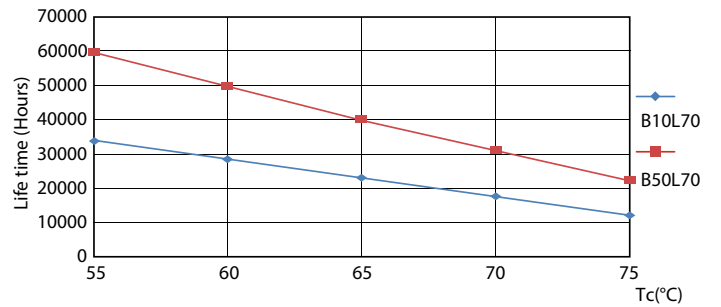


TLED\_5ft\_220-240V\_23-58W\_3400lm\_3000K\_G13

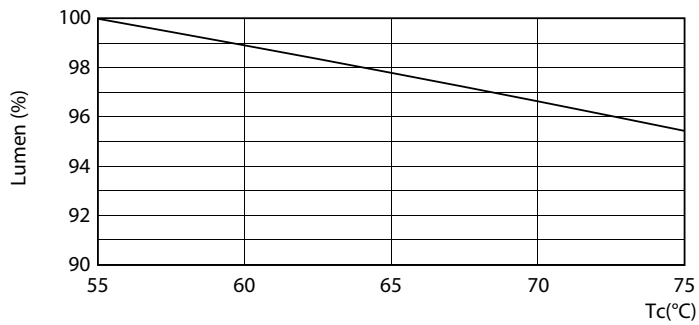
## Lifetime



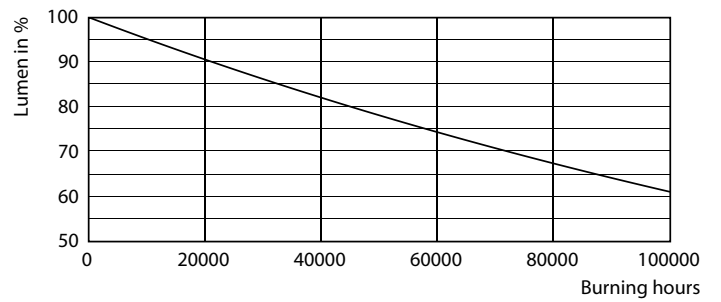
TLED\_220-240V\_G13-FailureRate



TLED\_220-240V\_G13-LifetimeVsTc



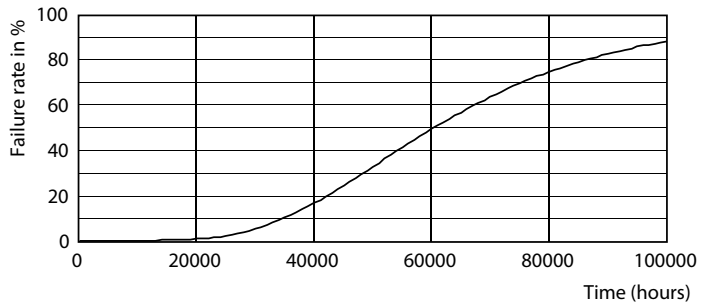
TLED\_220-240V\_G13-LumenVsTc



TLED\_220-240V\_G13

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## Lifetime



TLED\_220-240V\_G13

