



# MASTER LEDtube EM/ Mains T8

## MASTER LEDtube 1500mm UO 24W 830 T8 FF RCA

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. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

### Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

### Product data

General information		Luminous Efficacy (rated) (Nom)	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]	Luminous Efficacy (rated) (Nom)	141.00 lm/W
EU RoHS compliant	Yes	Color Consistency	<6
Nominal Lifetime (Nom)	50000 h	Color Rendering Index (Nom)	83
Switching Cycle	200000X	LLMF At End Of Nominal Lifetime (Nom)	70 %
Light technical		Operating and electrical	
Color Code	830 [ CCT of 3000K]	Input Frequency	50 to 60 Hz
Beam Angle (Nom)	160 °	Power (Nom)	24 W
Luminous Flux (Nom)	3400 lm	Lamp Current (Max)	112 mA
Color Designation	White (WH)	Lamp Current (Min)	103 mA
Correlated Color Temperature (Nom)	3000 K	Starting Time (Nom)	0.5 s
		Warm Up Time to 60% Light (Nom)	0.5 s

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Power Factor (Nom)	0.9
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
T-Case Maximum (Nom)	60 °C

## Controls and dimming

Dimmable	No
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## Mechanical and housing

Product Length	1500 mm
Bulb Shape	Tube, double-ended

## Approval and application

Energy Saving Product	Yes
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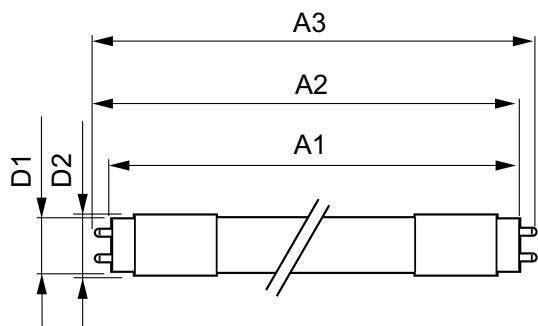
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
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Energy Consumption kWh/1000 h	24 kWh
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## Product data

Full product code	871869681805300
Order product name	MASTER LEDtube 1500mm UO 24W 830 T8 FF RCA
EAN/UPC - Product	8718696818053
Order code	929001908208
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001908208
Copy Net Weight (Piece)	0.315 kg

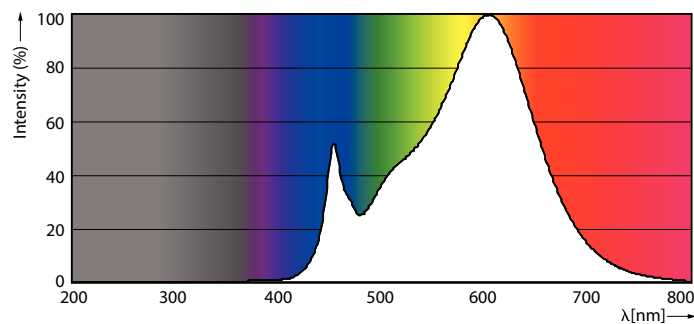
## Dimensional drawing



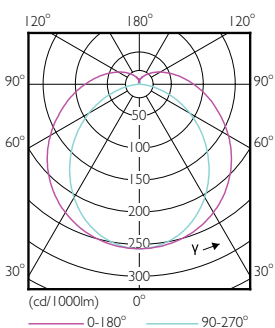
MASTER LEDtube 1500mm UO 24W 830 T8 FF RCA

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UO 24W 830 T8 FF RCA	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1498.7 mm

## Photometric data



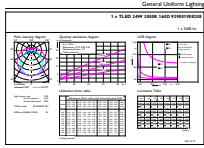
LEDtube G13 24W 3000K 160D



LEDtube G13 16W 3000K 160D

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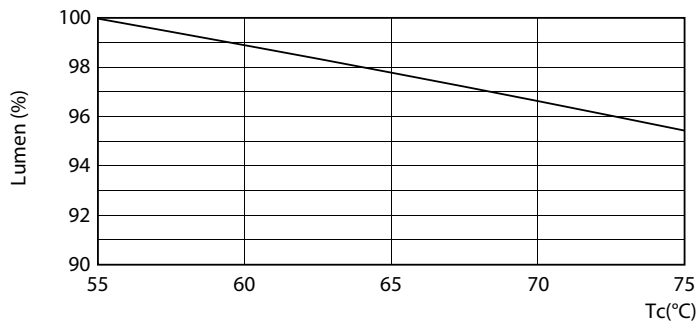
## Photometric data



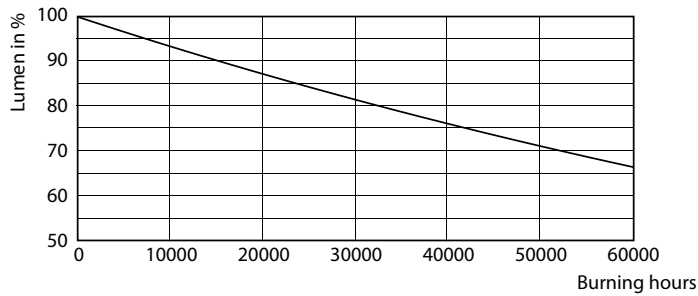
General Illumination 41 Photo Lighting 8.1 Page 17

LEDtube G13 24W 3000K 160D

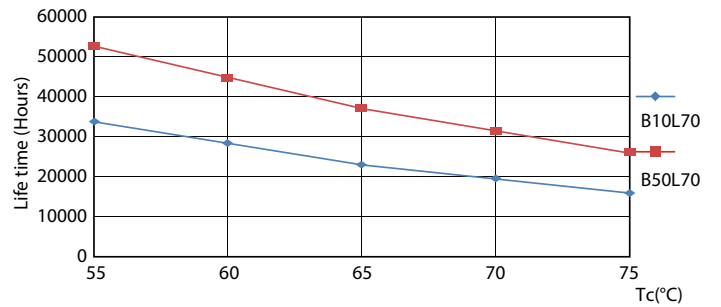
## Lifetime



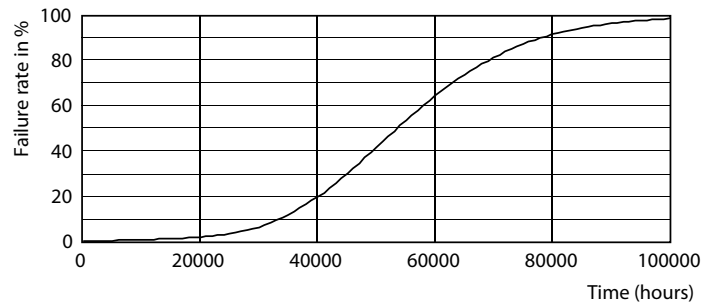
LEDtube G13 24W 3000K 160D LumenVsTc



LEDtube G13 16W 3000K 160D



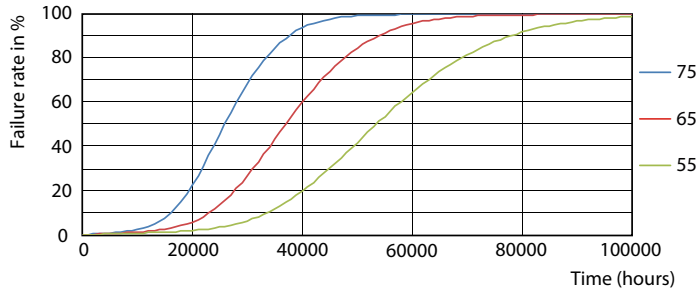
LEDtube G13 16W 3000K 160D LifetimeVsTc



LEDtube G13 16W 3000K 160D

# MASTER LEDtube EM/Mains T8

## Lifetime



LEDtube G13 16W 3000K 160D FailureRate

