



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1050mm 14W840 T8 TW

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

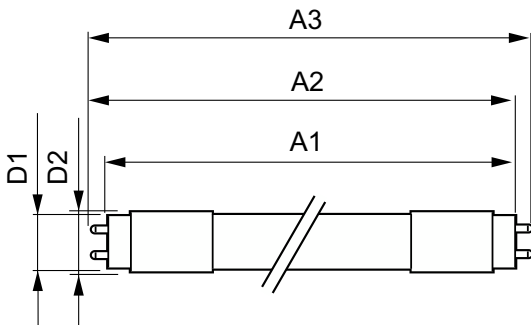
General Information		Color Consistency	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color rendering index (CRI)	80
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	200,000	<b>Operating and Electrical</b>	
Lighting Technology	LED	Input Frequency	50 to 60 Hz
EU RoHS compliant	Yes	Power Consumption	14 W
<b>Light Technical</b>		Wattage Equivalent	38 W
Color Code	840 [CCT of 4000K]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	160 degree(s)	Warm-up time to 60% light	0.5 s
Luminous Flux	2,300 lumen	Power Factor (Fraction)	0.9
Color Designation	Cool White (CW)	Voltage (Nom)	100-277 V
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	164 lm/W		

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Temperature	
Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	52 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,100 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes

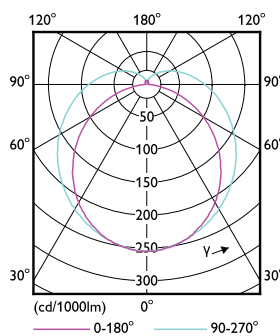
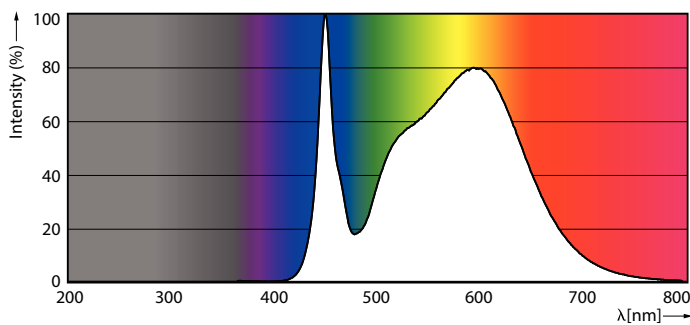
Approval Marks	RoHS compliance
Product Data	
Full product code	872016919471700
Order product name	MAS LEDtube 1050mm 14W840 T8 TW
Order code	929003636708
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929003636708
Full product name	MAS LEDtube 1050mm 14W840 T8 TW
EAN/UPC - Case	8720169194724
EAN/UPC - Product/Case	8720169194717

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1050mm 14W840 T8 TW	25.6 mm	28 mm	1,046 mm	1,053 mm	1,060 mm

## Photometric data

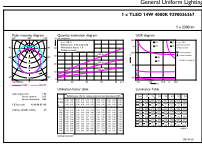


Spectral Power Distribution Colour - MAS LEDtube 1050mm 14W840 T8 TW

Light Distribution Diagram - MAS LEDtube 1050mm 14W840 T8 TW

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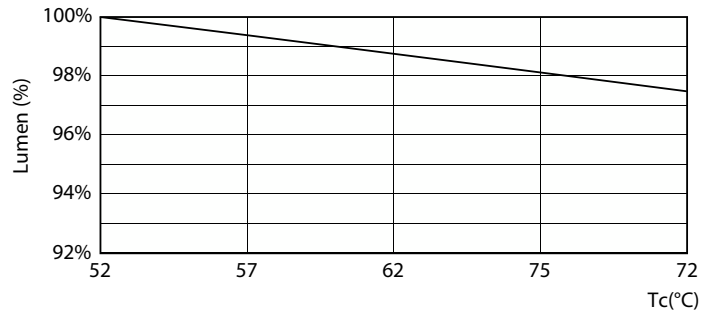
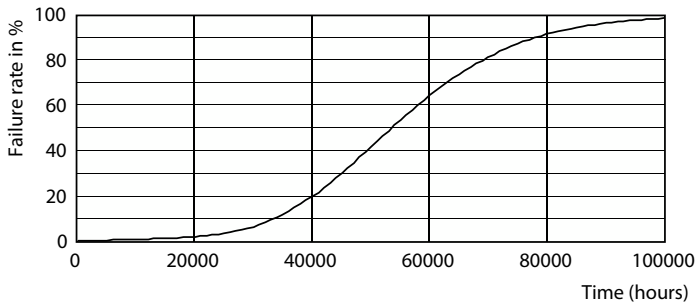
## Photometric data



General uniform lighting - MAS LEDtube 1050mm 14W840 T8 TW

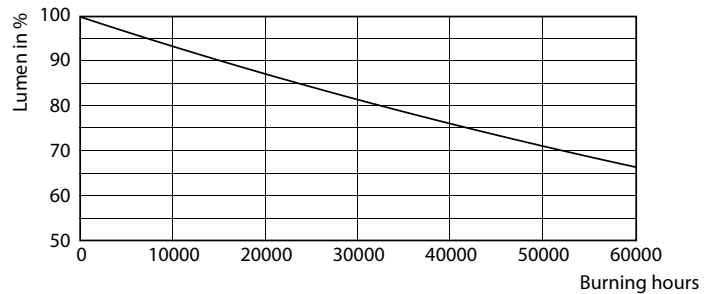
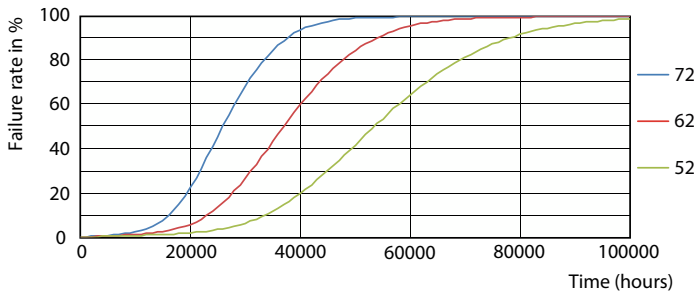
General uniform lighting - MAS LEDtube 1050mm 14W840 T8 TW

## Lifetime



Life Expectancy Diagram - MAS LEDtube 1050mm 14W840 T8 TW

Lumen Maintenance Diagram - MAS LEDtube 1050mm 14W840 T8 TW

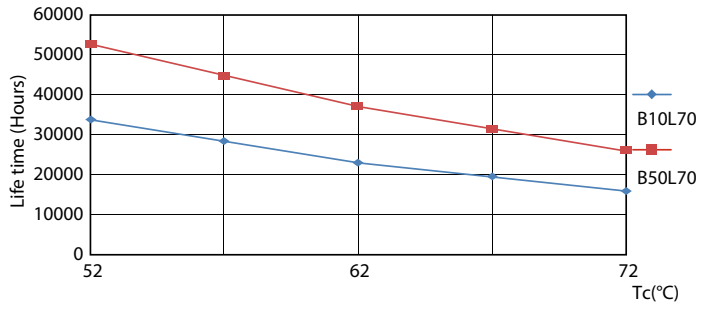


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