



# MASTER LEDtube T8

## MAS LEDtube STD 1200mm 14W840 T8 I W

MASTER, LEDtube, T8, Mains, Single-end, 1200 mm, 100-277 V, 14 W, 36W TL-D, 4000 K, 2100 lm, 50000 hour(s)

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		Correlated Color Temperature (Nom)	
Cap-Base	G13	Correlated Color Temperature (Nom)	4000 K
Nominal lifetime	50,000 hour(s)	Luminous Efficacy (rated) (Nom)	150.00 lm/W
Switching Cycle	200,000	Color Consistency	<6
Lighting Technology	LEDtube	Color rendering index (CRI)	80
Warranty period	5 years	LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	160 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	2,100 lm	Power Consumption	14 W
Color Designation	Cool White (CW)	Lamp Current (Max)	170 mA
		Lamp Current (Min)	50 mA

# MASTER LEDtube T8

Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.92
Voltage (Nom)	100–277 V
LED alternative to fluorescent lamp power	36W TL-D
Ballast Compatibility	Mains

## Temperature

T-Case Maximum (Nom)	55 °C
----------------------	-------

## Controls and Dimming

Dimmable	No
----------	----

## Mechanical and Housing

Bulb Finish	Frosted
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.100 kg

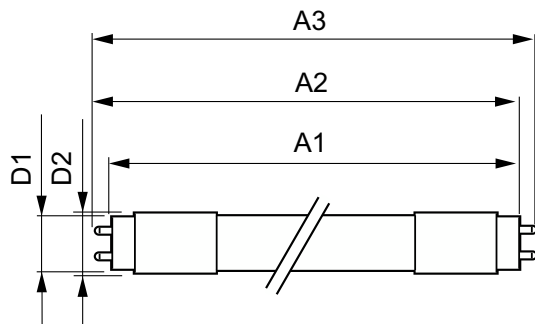
## Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	14 kWh
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C

## Product Data

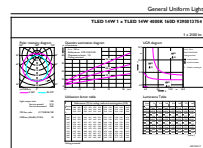
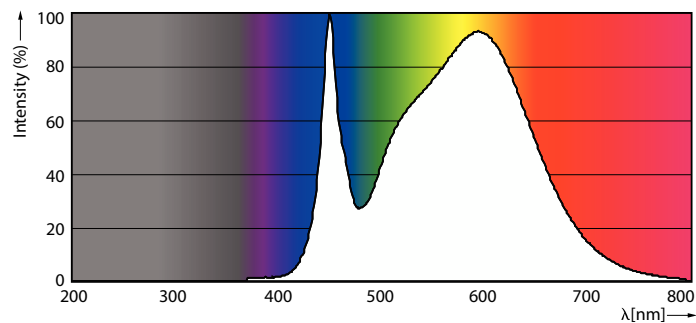
Order product name	MAS LEDtube STD 1200mm 14W840 T8 I W
Full product name	MAS LEDtube STD 1200mm 14W840 T8 I W
Order code	929001375442
Material Nr. (12NC)	929001375442
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677554224
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677554229

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube STD 1200mm 14W840 T8 I W	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data

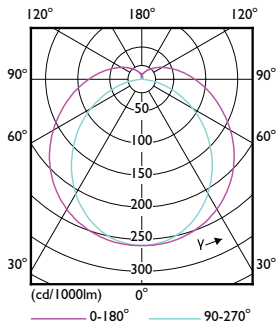


Spectral Power Distribution Colour - MAS LEDtube STD 1200mm 14W840 T8 I W

General uniform lighting - MAS LEDtube STD 1200mm 14W840 T8 I W

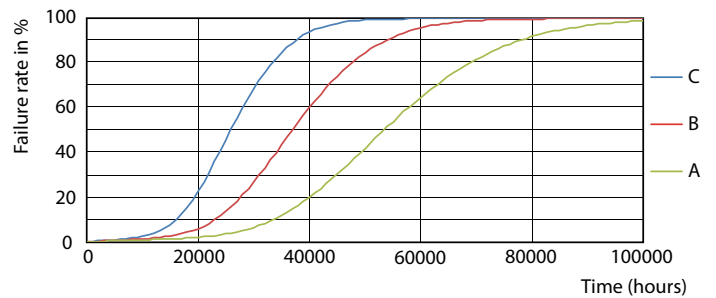
# MASTER LEDtube T8

## Photometric data

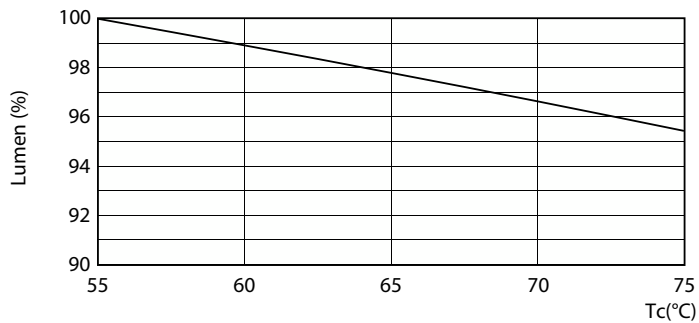


Light Distribution Diagram - MAS LEDtube STD 1200mm 14W840 T8 I W

## Lifetime

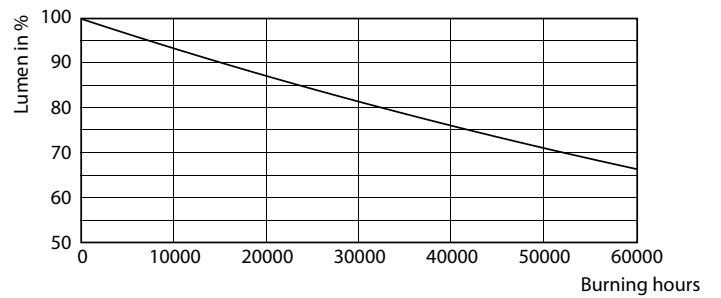


Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDtube STD 1200mm 14W840 T8 I W

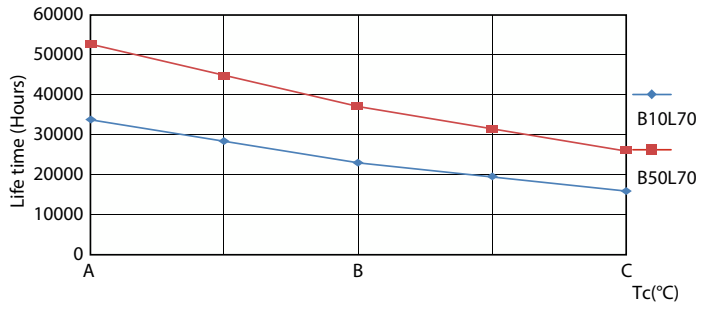
FailureRate



Lumen Maintenance Diagram - MAS LEDtube STD 1200mm 14W840 T8 I W

# MASTER LEDtube T8

## Lifetime



LifetimeVsTc

