



# MASTER LEDtube T8 Ultra Efficient



## MAS LEDtube 1500mm UE 17.6W 840 T8 EELA

With energy prices rising and the EU's Green Deal<sup>2</sup> continuing to fund energy efficient building renovations, many are looking into make their company's lighting more sustainable. The new Philips MASTER LEDtube Ultra Efficient T8 is a true breakthrough on the way to more sustainable lighting. It replaces your current fluorescent tube or LED tube directly and offers immediately great energy cost reduction as well as a much longer lifetime!

### Product data

General information	
Cap base	G13 ROT (Rotating) [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	100000 h
Switching cycle	200,000X
Technical type	LEDTECH-LOV Sphere

Light technical	
Colour Code	840 [ CCT of 4,000 K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	3700 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	210 lm/W
Colour consistency	<6
Colour rendering index (nom.)	80

LLMF at end of nominal lifetime (nom.) 70 %	
---	--

Operating and electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	17.6 W
Lamp current (max.)	93 mA
Lamp current (min.)	73 mA
Starting time (nom.)	1 s
Warm-up time to 60% light (nom.)	1 s
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.)	45 °C

# MASTER LEDtube T8 Ultra Efficient

## Controls and dimming

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

## Mechanical and housing

Lamp Finish	Frosted
Bulb material	Plastic
	1500 mm
Bulb shape	Tube, double-ended

## Approval and application

Energy Efficiency Class	A
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

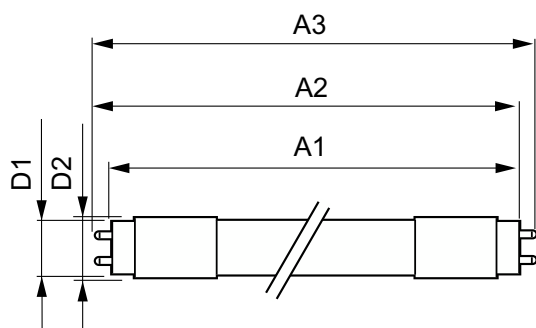
Energy consumption kWh/1,000 hours 18 kWh

1013081

## Product data

Full product code	871951443168300
Order product name	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA
EAN/UPC – product	8719514431683
Order code	43168300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929003482302
Net Weight (Piece)	0.270 kg

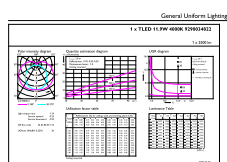
## Dimensional drawing



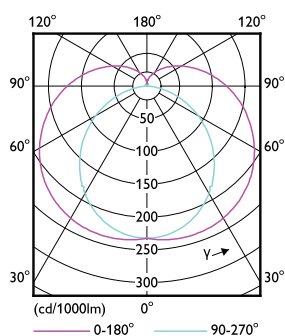
MAS LEDtube 1500mm UE 17.6W 840 T8 EELA

Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

## Photometric data



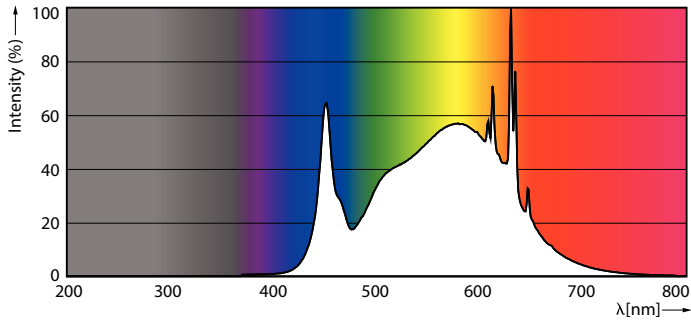
General uniform lighting



Light Distribution Diagram

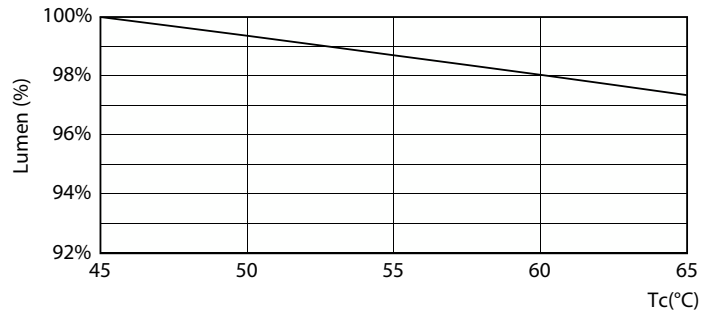
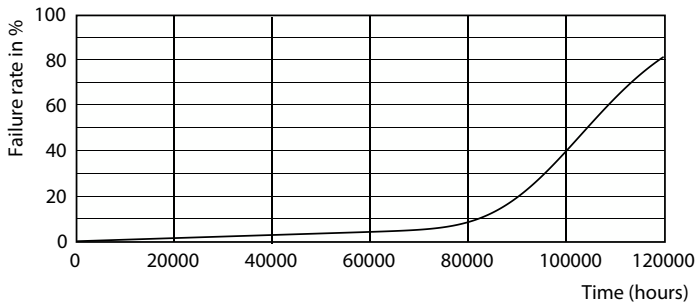
# MASTER LEDtube T8 Ultra Efficient

## Photometric data



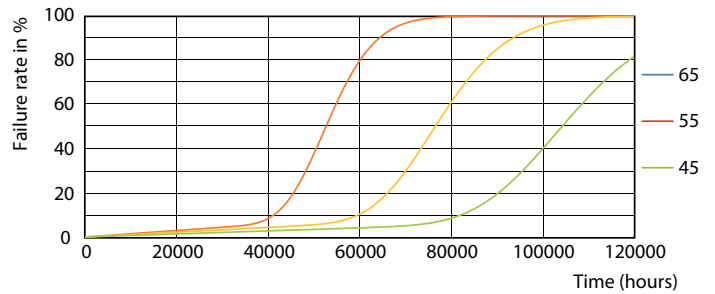
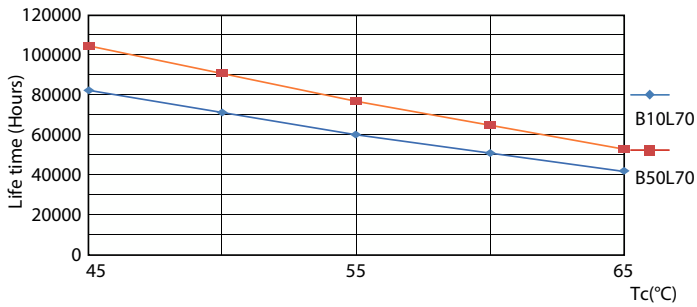
Spectral Power Distribution Colour

## Lifetime



LEDtube 100K-LED

LEDtube MAS EU2 17,6W 100K LumenVsTc-LMP

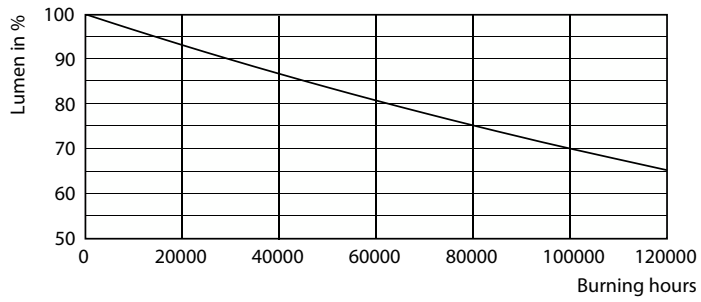


LEDtube 100K 4565 LifetimeVsTc-LED

LEDtube 100K 4565 FailureRate-LED

# MASTER LEDtube T8 Ultra Efficient

## Lifetime



LEDtube 100K-LMP

