



# MASTER LEDtube T8 Ultra Efficient

## MAS LEDtube 1200mm UE 11.9W 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

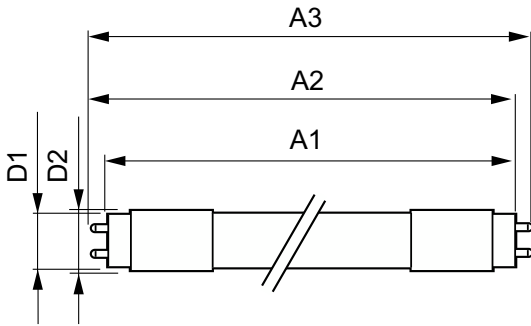
General Information		Operating and Electrical	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]	Line Frequency	50 to 60 Hz
Nominal lifetime	100,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	200,000	Power Consumption	11.9 W
Lighting Technology	LED	Starting Time (Nom)	1 s
Flux measurement reference	Sphere	Warm-up time to 60% light	1 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	220-240 V
Light Technical		Temperature	
Color Code	840 [CCT of 4000K]	Ambient temperature range	-20 °C to 45 °C
Beam Angle (Nom)	160 degree(s)	T-Case Maximum (Nom)	40 °C
Luminous Flux	2,500 lumen		
Color Designation	Cool White (CW)	Controls and Dimming	
Correlated Color Temperature (Nom)	4000 K	Dimmable	No
Luminous Efficacy (rated) (Nom)	210 lm/W	Mechanical and Housing	
Color Consistency	<6	Bulb Finish	Frosted
Color rendering index (CRI)	80	Bulb Material	Plastic
LLMF At End Of Nominal Lifetime (Nom)	70 %		

# MASTER LEDtube T8 Ultra Efficient

Product Length	1,200 mm
Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh
EPREL Registration Number	1,013,082
CE mark	Yes
EU RoHS compliant	Yes

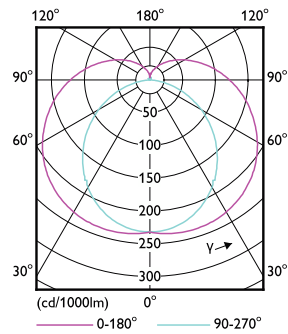
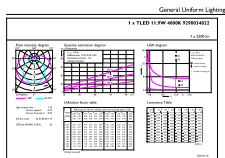
<b>Product Data</b>	
Full product code	871951443166900
Order product name	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA
Order code	929003482202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929003482202
Full product name	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA
EAN/UPC - Case	8719514431676

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

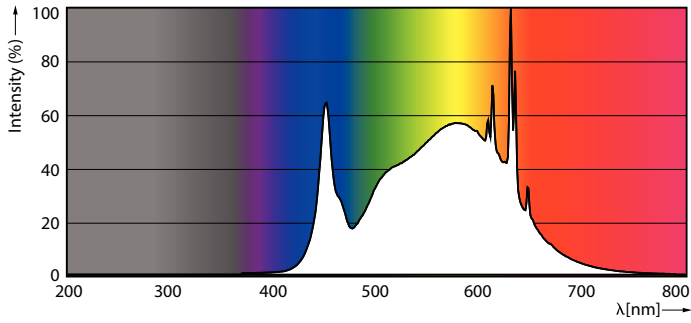
## Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

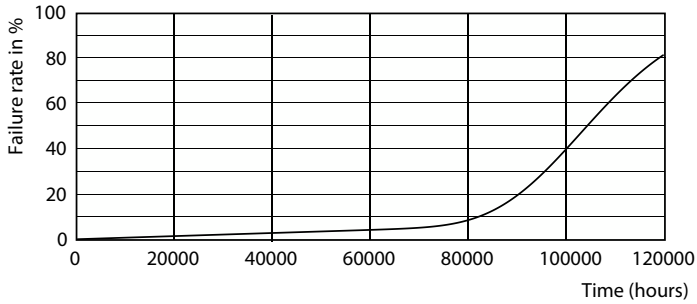
# MASTER LEDtube T8 Ultra Efficient

## Photometric data

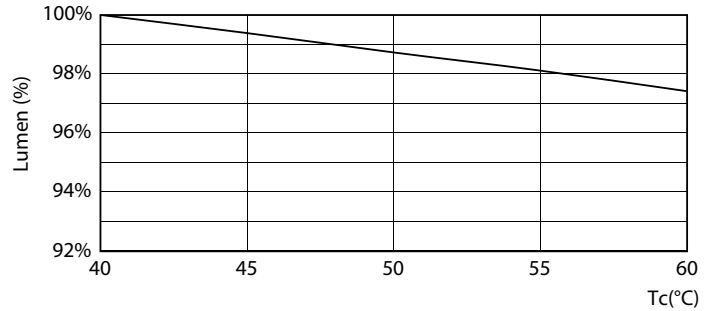


Spectral Power Distribution Colour - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

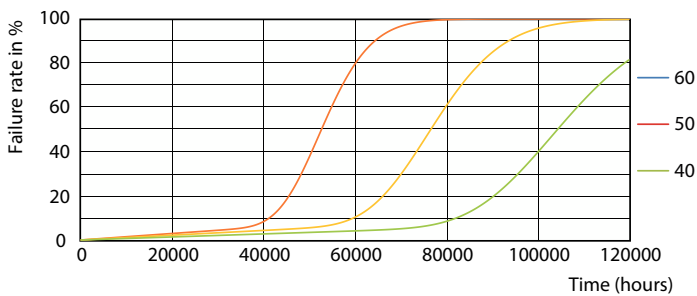
## Lifetime



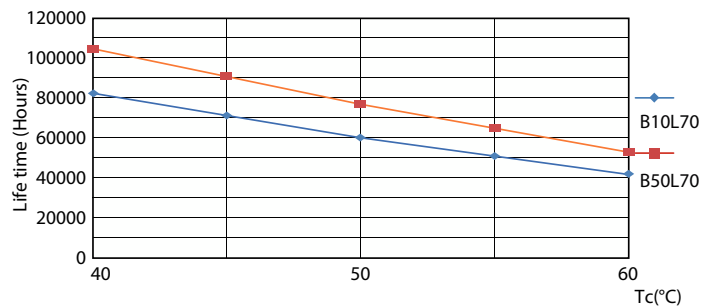
Life Expectancy Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA



Lumen Maintenance Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA



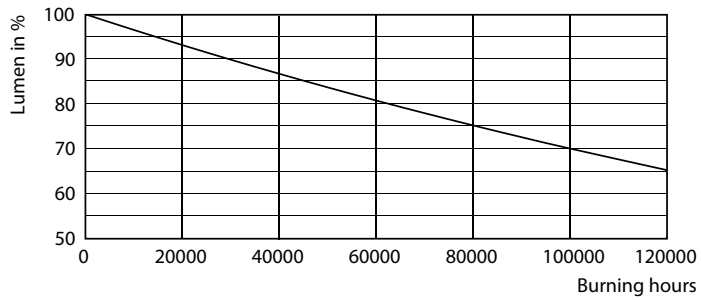
Life Expectancy Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA



Life Expectancy Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8 EELA

# MASTER LEDtube T8 Ultra Efficient

## Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm UE 11.9W 840 T8  
EELA

