



# MASTER LEDtube T8 Ultra Efficient

## MAS LEDtube 1500mm UE 20W 865 T8

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]
Nominal lifetime	75,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	3,700 lumen
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	185 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

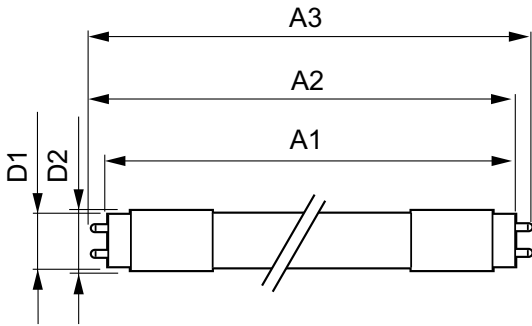
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic

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Product Length	1,500 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	20 kWh
EPREL Registration Number	1,205,539
CE mark	Yes
EU RoHS compliant	Yes

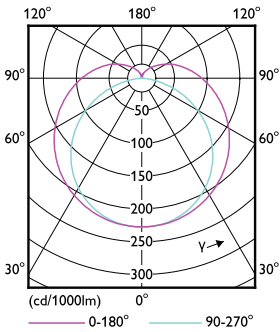
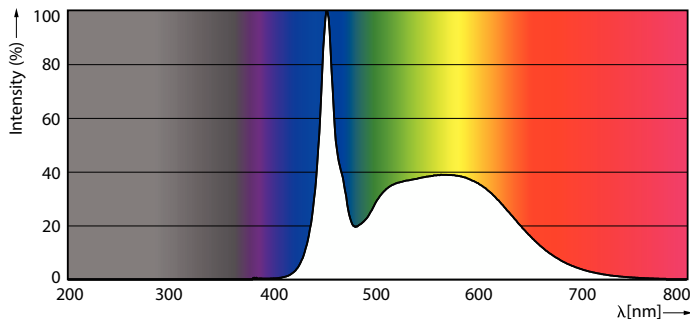
<b>Product Data</b>	
Full product code	871951433978100
Order product name	MAS LEDtube 1500mm UE 20W 865 T8
Order code	929003067302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929003067302
Full product name	MAS LEDtube 1500mm UE 20W 865 T8
EAN/UPC - Case	8719514339798

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UE 20W 865 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm

## Photometric data

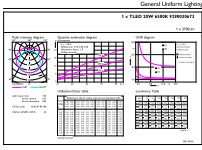


Spectral Power Distribution Colour - MAS LEDtube 1500mm UE 20W 865 T8

Light Distribution Diagram - MAS LEDtube 1500mm UE 20W 865 T8

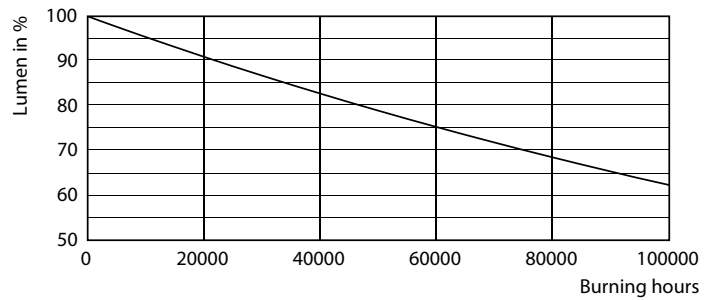
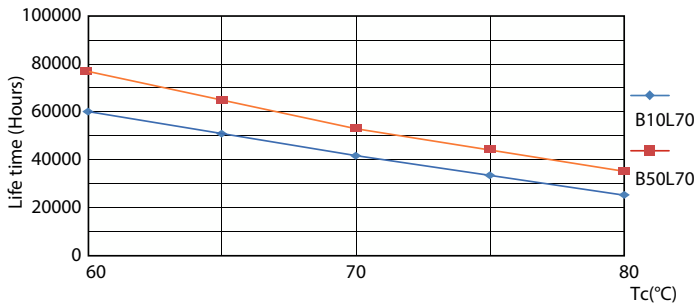
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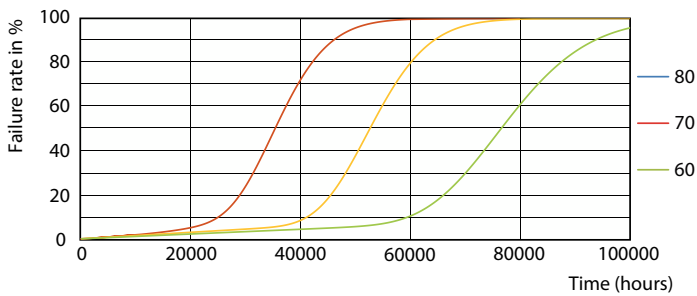


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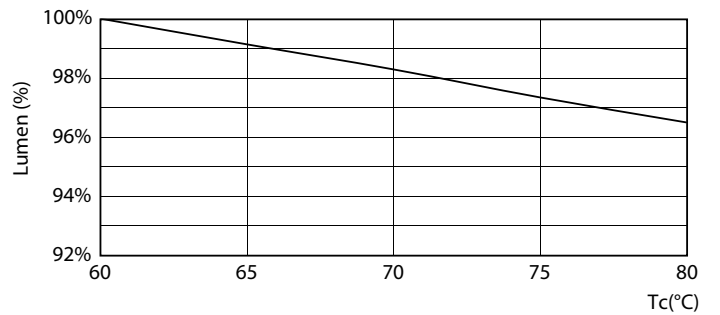
## Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm UE 20W 865 T8



Lumen Maintenance Diagram - MAS LEDtube 1500mm UE 20W 865 T8

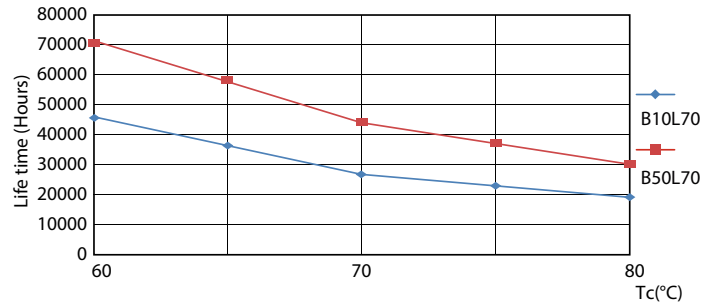


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