



The new generation of energy saving tube lighting

MASTER LEDtube EM/Mains T8

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. This product is the ideal solution for up lighting in general lighting applications.

Benefits

- Reduced operational cost thanks to lower energy consumption
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- Lower maintenance cost thanks to 2-3 times longer lifetime than normal fluorescent tubes
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- Fastest and easiest way to upgrade existing luminaire to LED technology; 100%-safe installation process
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Features

- Only 50% energy consumption compared to fluorescent tubes
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- Extra-long life of 40,000 hours
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- Retrofit to existing T8 lamps on EM ballast installations
- Retrofit to existing T8 lamps on EM or HF electronic gear
- Full safety features and EM Protector safety device
- Full safety features and EM Protector safety device
- No mercury
- No mercury

Application

- Parking lots / covered car parks
- Car parks
- Warehouses / coldrooms / signage
- Warehouses
- Transport and distribution areas
- Transport and distribution areas
- Food & Museums
- Front & back of house retail & hospitality

Warnings and Safety

- -
- -

Versions



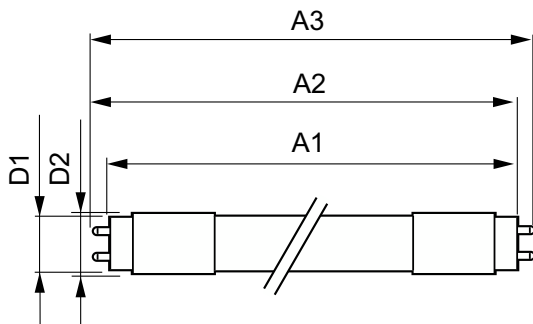
LEDtubes, 600mm 8.5W, 900mm 10.5W, 1200mm 12W, 1200mm 15W



LEDtube 1200mm HO T8



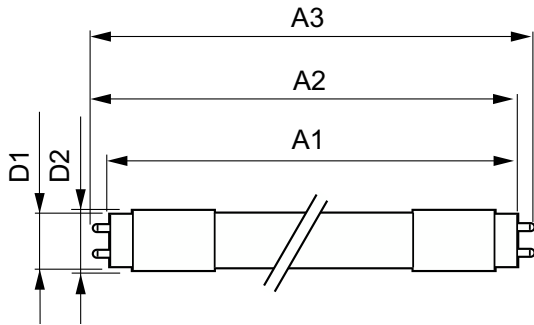
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm UO 21.7W 840 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
MAS LEDtube 600mm HO 8W840 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm

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Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 14W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 14W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1500mm HO 18.2W 840 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
MAS LEDtube 1500mm HO 18.2W 865 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm

General Information	
Switching Cycle	200,000
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929001307102	MAS LEDtube 600mm HO 8W840 T8	G13 ROT	75,000 hour(s)
929002998602	MAS LEDtube 1500mm UO 21.7W 840 T8	G13 ROT	75,000 hour(s)
929003556108	MAS LEDtube 1200mm HO 14W840 T8	G13	60,000 hour(s)
929003556208	MAS LEDtube 1200mm HO 14W865 T8	G13	60,000 hour(s)
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	G13 ROT	75,000 hour(s)
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	G13 ROT	75,000 hour(s)

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929001307102	MAS LEDtube 600mm HO 8W840 T8	160 degree(s)	4000 K	83	840
929002998602	MAS LEDtube 1500mm UO 21.7W 840 T8	160 degree(s)	4000 K	80	840
929003556108	MAS LEDtube 1200mm HO 14W840 T8	190 degree(s)	4000 K	80	840

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929003556208	MAS LEDtube 1200mm HO 14W865 T8	190 degree(s)	6500 K	80	865
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	160 degree(s)	4000 K	80	840
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	160 degree(s)	6500 K	80	865

Light Technical (2/2)

MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Luminous Flux
929001307102	MAS LEDtube 600mm HO 8W840 T8	1,050 lm
929002998602	MAS LEDtube 1500mm UO 21.7W 840 T8	3,700 lm
929003556108	MAS LEDtube 1200mm HO 14W840 T8	2,100 lm

Order Code	Full Product Name	Luminous Flux
929003556208	MAS LEDtube 1200mm HO 14W865 T8	2,100 lm
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	3,100 lm
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	3,100 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929001307102	MAS LEDtube 600mm HO 8W840 T8	8 W
929002998602	MAS LEDtube 1500mm UO 21.7W 840 T8	21.7 W
929003556108	MAS LEDtube 1200mm HO 14W840 T8	14 W

Order Code	Full Product Name	Power Consumption
929003556208	MAS LEDtube 1200mm HO 14W865 T8	14 W
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	18.2 W
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	18.2 W

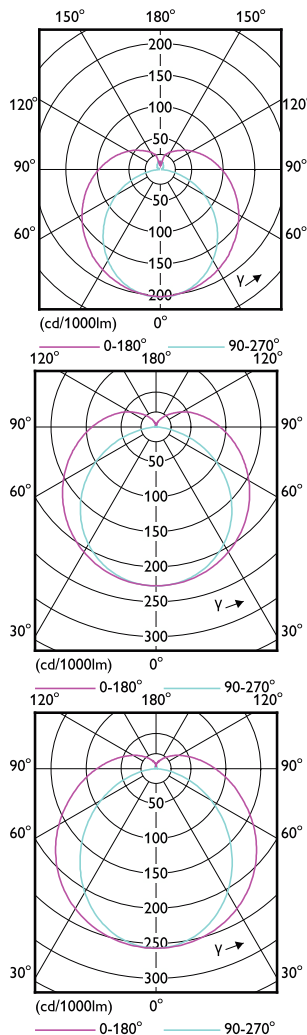
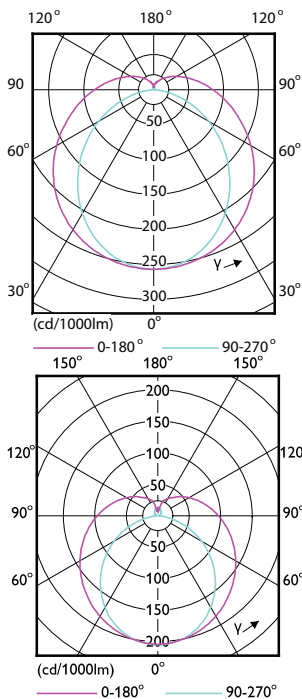
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001307102	MAS LEDtube 600mm HO 8W840 T8	50 °C
929002998602	MAS LEDtube 1500mm UO 21.7W 840 T8	60 °C
929003556108	MAS LEDtube 1200mm HO 14W840 T8	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003556208	MAS LEDtube 1200mm HO 14W865 T8	50 °C
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	55 °C
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	55 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001307102	MAS LEDtube 600mm HO 8W840 T8	8 kWh
929002998602	MAS LEDtube 1500mm UO 21.7W 840 T8	22 kWh
929003556108	MAS LEDtube 1200mm HO 14W840 T8	-
929003556208	MAS LEDtube 1200mm HO 14W865 T8	-
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	19 kWh
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	19 kWh



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