



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
- Reduced operational cost thanks to lower energy consumption
- 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
- Only 50% energy consumption compared to fluorescent tubes
- Extra-long life of 40,000 hours
- Extra-long life of 40,000 hours
- 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

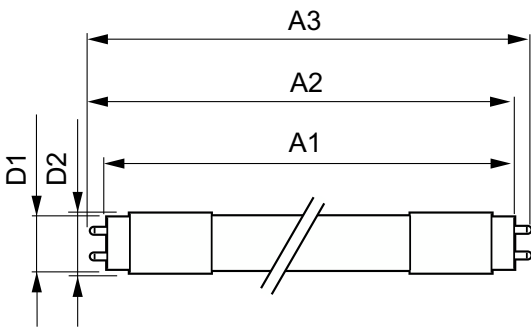
Application

- 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

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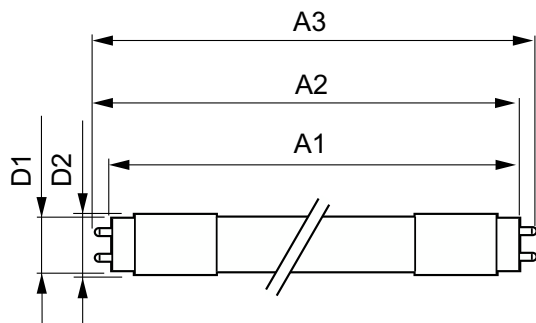
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO VWV 18W 865 T8 GM	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm UO 14.7W 830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm UO 14.7W 865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 600mm HO VWV 10W 840 T8 GM	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO VWV 10W 865 T8 GM	25.8 mm	28 mm	588.6 mm	595.6 mm	602.6 mm

MASTER LEDtube EM/Mains T8

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 14W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
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 600mm HO 8W840 T8	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W865 T8	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube STD 1200mm 10.5W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube STD 1200mm 10.5W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

General Information

Switching Cycle	200,000
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Light Technical

LLMF At End Of Nominal Lifetime (Nom)	70 %
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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
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Cap-Base	Nominal lifetime
929002998202	MAS LEDtube 1200mm UO 14.7W 830 T8	G13 ROT	75,000 hour(s)
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	G13 ROT	75,000 hour(s)
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	G13	60,000 hour(s)
929003558008	MAS LEDtube 1200mm HO VWV 18W 865 T8 GM	G13	60,000 hour(s)
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	G13	60,000 hour(s)
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	G13	60,000 hour(s)
929003558808	MAS LEDtube STD 1200mm 10.5W840 T8	G13	60,000 hour(s)
929003559908	MAS LEDtube STD 1200mm 10.5W865 T8	G13	60,000 hour(s)
929003556008	MAS LEDtube 1200mm HO 14W830 T8	G13	60,000 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)
929003557308	MAS LEDtube 600mm HO 8W840 T8	G13	60,000 hour(s)
929003557408	MAS LEDtube 600mm HO 8W865 T8	G13	60,000 hour(s)

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929002998202	MAS LEDtube 1200mm UO 14.7W 830 T8	160 degree(s)	3000 K	80	830

Order Code	Full Product Name	Beam Angle (Nom)	Correlated		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	160 degree(s)	6500 K	80	865

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Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature rendering index (CRI) Color Code		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929003557908	MAS LEDtube	190	4000 K	80	840
	1200mm HO VWV	degree(s)			
	18W 840 T8 GM				
929003558008	MAS LEDtube	190	6500 K	80	865
	1200mm HO VWV	degree(s)			
	18W 865 T8 GM				
929003558108	MAS LEDtube	190	4000 K	80	840
	600mm HO VWV	degree(s)			
	10W 840 T8 GM				
929003558208	MAS LEDtube	190	6500 K	80	865
	600mm HO VWV	degree(s)			
	10W 865 T8 GM				
929003558308	MAS LEDtube STD	190	4000 K	80	840
	1200mm	degree(s)			
	10.5W840 T8				
929003558408	MAS LEDtube STD	190	6500 K	80	865
	1200mm	degree(s)			
	10.5W865 T8				

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux
929002998202	MAS LEDtube 1200mm UO 14.7W 830 T8	2,300 lm
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	2,500 lm
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	2,100 lm
929003558008	MAS LEDtube 1200mm HO VWV 18W 865 T8 GM	2,100 lm
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	1,050 lm
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	1,050 lm
929003558308	MAS LEDtube STD 1200mm 10.5W840 T8	1,600 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929002998202	MAS LEDtube 1200mm UO 14.7W 830 T8	14.7 W
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	14.7 W
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	18 W
929003558008	MAS LEDtube 1200mm HO VWV 18W 865 T8 GM	18 W
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	10 W
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	10 W
929003558308	MAS LEDtube STD 1200mm 10.5W840 T8	10.5 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002998202	MAS LEDtube 1200mm UO 14.7W 830 T8	55 °C
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	55 °C

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature rendering index (CRI) Color Code		
			Color Temperature (Nom)	Color rendering index (CRI)	Color Code
929003556008	MAS LEDtube	190	3000 K	80	830
	1200mm HO	degree(s)			
	14W830 T8				
929003556108	MAS LEDtube	190	4000 K	80	840
	1200mm HO	degree(s)			
	14W840 T8				
929003556208	MAS LEDtube	190	6500 K	80	865
	1200mm HO	degree(s)			
	14W865 T8				
929003557308	MAS LEDtube	190	4000 K	83	840
	600mm HO	degree(s)			
	8W840 T8				
929003557408	MAS LEDtube	190	6500 K	83	865
	600mm HO	degree(s)			
	8W865 T8				

Order Code	Full Product Name	Luminous Flux
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	1,600 lm
929003556008	MAS LEDtube 1200mm HO 14W830 T8	2,000 lm
929003556108	MAS LEDtube 1200mm HO 14W840 T8	2,100 lm
929003556208	MAS LEDtube 1200mm HO 14W865 T8	2,100 lm
929003557308	MAS LEDtube 600mm HO 8W840 T8	1,050 lm
929003557408	MAS LEDtube 600mm HO 8W865 T8	1,050 lm

Order Code	Full Product Name	Power Consumption
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	10.5 W
929003556008	MAS LEDtube 1200mm HO 14W830 T8	14 W
929003556108	MAS LEDtube 1200mm HO 14W840 T8	14 W
929003556208	MAS LEDtube 1200mm HO 14W865 T8	14 W
929003557308	MAS LEDtube 600mm HO 8W840 T8	8 W
929003557408	MAS LEDtube 600mm HO 8W865 T8	8 W

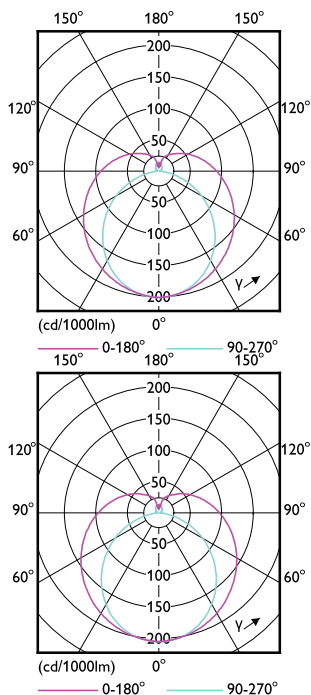
Order Code	Full Product Name	T-Case Maximum (Nom)
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	50 °C

MASTER LEDtube EM/Mains T8

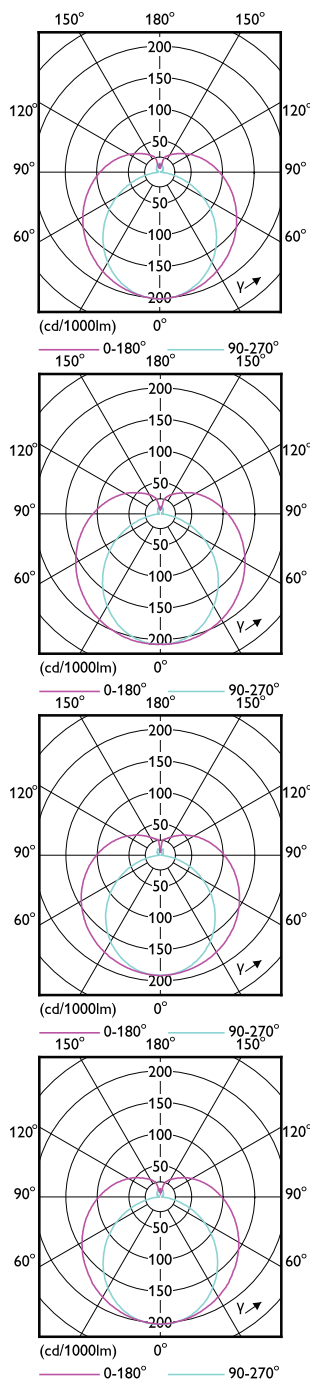
Order Code	Full Product Name	T-Case Maximum (Nom)
929003558008	MAS LEDtube 1200mm HO VWV 18W 865 T8 GM	50 °C
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	50 °C
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	50 °C
92900355808	MAS LEDtube STD 1200mm 10.5W840 T8	50 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002998202	MAS LEDtube 1200mm UO 14.7W 830 T8	15 kWh
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	15 kWh
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	-
929003558008	MAS LEDtube 1200mm HO VWV 18W 865 T8 GM	-
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	-
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	-
92900355808	MAS LEDtube STD 1200mm 10.5W840 T8	-
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	-
929003556008	MAS LEDtube 1200mm HO 14W830 T8	-
929003556108	MAS LEDtube 1200mm HO 14W840 T8	-
929003556208	MAS LEDtube 1200mm HO 14W865 T8	-
929003557308	MAS LEDtube 600mm HO 8W840 T8	-
929003557408	MAS LEDtube 600mm HO 8W865 T8	-



Order Code	Full Product Name	T-Case Maximum (Nom)
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	50 °C
929003556008	MAS LEDtube 1200mm HO 14W830 T8	50 °C
929003556108	MAS LEDtube 1200mm HO 14W840 T8	50 °C
929003556208	MAS LEDtube 1200mm HO 14W865 T8	50 °C
929003557308	MAS LEDtube 600mm HO 8W840 T8	50 °C
929003557408	MAS LEDtube 600mm HO 8W865 T8	50 °C



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