



The new generation of energy saving tube lighting

MASTER LEDtube 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

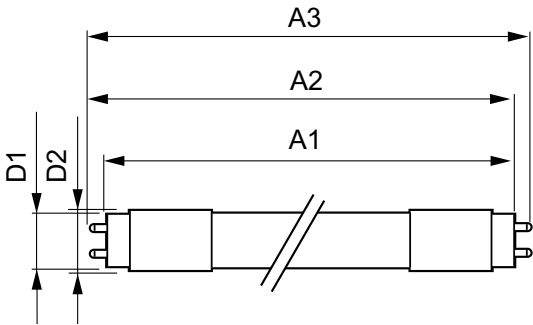
- Parking lots / covered car parks
- Car parks
- Warehouses / coldrooms / signage
- Warehouses
- Transport and distribution areas
- Transport and distribution areas
- Food & Museums
- Front & back of house retail & hospitality

Warnings and Safety

- –
- –

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Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 13W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 13W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 13W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
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 1200mm MO 23W840 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
MAS LEDtube 1200mm MO 23W865 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
MAS LEDtube 1200mm UO+ 18.7W840 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
MAS LEDtube 1200mm UO+ 18.7W865 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
MAS LEDtube 600mm HO 8W830 T8	25.8 mm	28 mm	595.7 mm	598.8 mm	604 mm
MAS LEDtube 600mm HO 8W840 T8	25.8 mm	28 mm	595.7 mm	598.8 mm	604 mm
MAS LEDtube 600mm HO 8W865 T8	25.8 mm	28 mm	595.7 mm	598.8 mm	604 mm
MAS LEDtube STD 1200mm 10W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube STD 1200mm 10W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

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General Information	
Cap-Base	G13
Switching Cycle	200,000
Nominal lifetime	60,000 hour(s)
Light Technical	
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
929003556008	MAS LEDtube 1200mm HO 14W830 T8	190 degree(s)	3000 K	830	2,000 lm
929003556108	MAS LEDtube 1200mm HO 14W840 T8	190 degree(s)	4000 K	840	2,100 lm
929003556208	MAS LEDtube 1200mm HO 14W865 T8	190 degree(s)	6500 K	865	2,100 lm
929003805708	MAS LEDtube 600mm HO 8W830 T8	190 degree(s)	3000 K	830	1,150 lm
929003805808	MAS LEDtube 600mm HO 8W840 T8	190 degree(s)	4000 K	840	1,200 lm
929003805908	MAS LEDtube 600mm HO 8W865 T8	190 degree(s)	6500 K	865	1,200 lm
929003806008	MAS LEDtube 1200mm HO 13W830 T8	190 degree(s)	3000 K	830	2,000 lm
929003806108	MAS LEDtube 1200mm HO 13W840 T8	190 degree(s)	4000 K	840	2,100 lm
929003806208	MAS LEDtube 1200mm HO 13W865 T8	190 degree(s)	6500 K	865	2,100 lm
929003806308	MAS LEDtube STD 1200mm 10W840 T8	190 degree(s)	4000 K	840	1,600 lm
929003806408	MAS LEDtube STD 1200mm 10W865 T8	190 degree(s)	6500 K	865	1,600 lm
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	160 degree(s)	4000 K	840	3,000 lm
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	160 degree(s)	6500 K	865	3,000 lm
929004246008	MAS LEDtube 1200mm MO 23W840 T8	160 degree(s)	4000 K	840	3,700 lm
929004246108	MAS LEDtube 1200mm MO 23W865 T8	160 degree(s)	6500 K	865	3,700 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929003556008	MAS LEDtube 1200mm HO 14W830 T8	50 to 60 Hz	14 W	-
929003556108	MAS LEDtube 1200mm HO 14W840 T8	50 to 60 Hz	14 W	-
929003556208	MAS LEDtube 1200mm HO 14W865 T8	50 to 60 Hz	14 W	-
929003805708	MAS LEDtube 600mm HO 8W830 T8	-	8 W	18 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929003805808	MAS LEDtube 600mm HO 8W840 T8	-	8 W	18 W
929003805908	MAS LEDtube 600mm HO 8W865 T8	-	8 W	18 W
929003806008	MAS LEDtube 1200mm HO 13W830 T8	-	13 W	36 W
929003806108	MAS LEDtube 1200mm HO 13W840 T8	-	13 W	36 W

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Order Code	Full Product Name	Line	Power	Wattage
		Frequency	Consumption	Equivalent
929003806208	MAS LEDtube 1200mm HO 13W865 T8	-	13 W	36 W
929003806308	MAS LEDtube STD 1200mm 10W840 T8	-	10 W	36 W
929003806408	MAS LEDtube STD 1200mm 10W865 T8	-	10 W	36 W
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	-	18.7 W	38 W

Order Code	Full Product Name	Line	Power	Wattage
		Frequency	Consumption	Equivalent
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	-	18.7 W	38 W
929004246008	MAS LEDtube 1200mm MO 23W840 T8	-	23 W	48 W
929004246108	MAS LEDtube 1200mm MO 23W865 T8	-	23 W	48 W

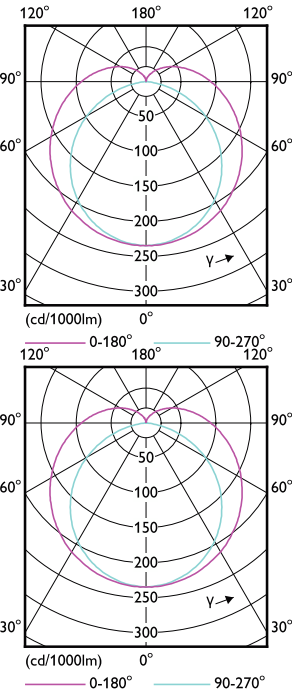
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
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
929003805708	MAS LEDtube 600mm HO 8W830 T8	50 °C
929003805808	MAS LEDtube 600mm HO 8W840 T8	50 °C
929003805908	MAS LEDtube 600mm HO 8W865 T8	50 °C
929003806008	MAS LEDtube 1200mm HO 13W830 T8	50 °C
929003806108	MAS LEDtube 1200mm HO 13W840 T8	50 °C

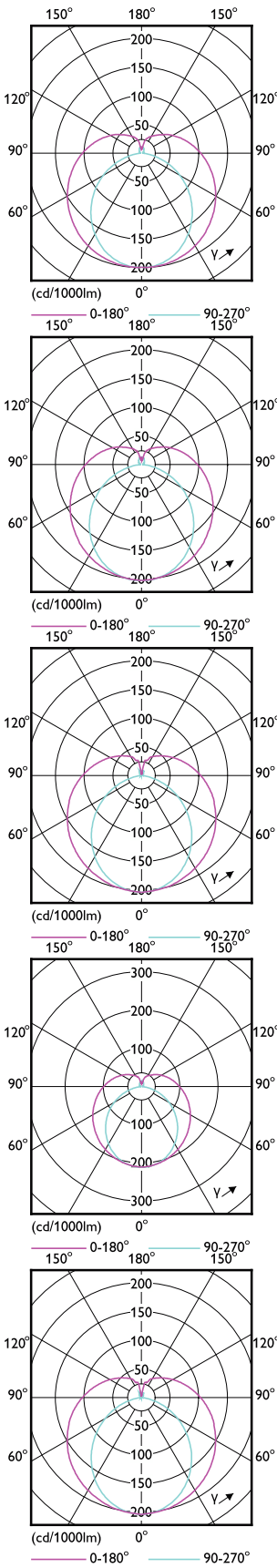
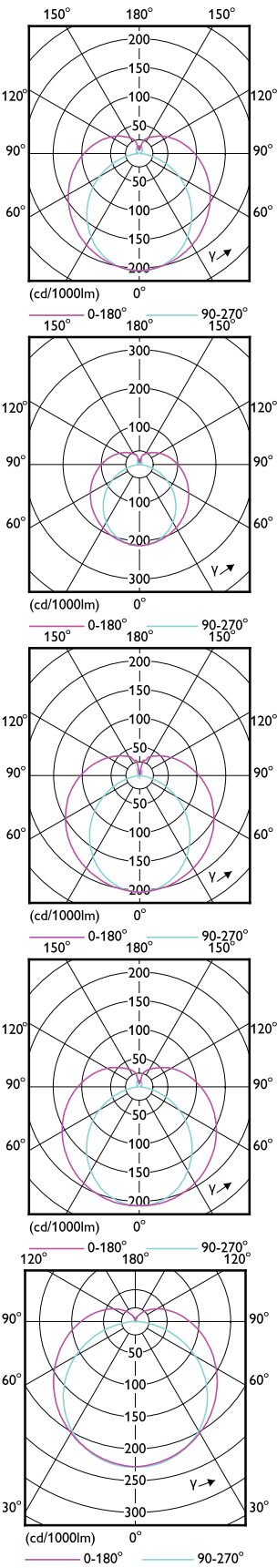
Order Code	Full Product Name	T-Case Maximum (Nom)
929003806208	MAS LEDtube 1200mm HO 13W865 T8	50 °C
929003806308	MAS LEDtube STD 1200mm 10W840 T8	50 °C
929003806408	MAS LEDtube STD 1200mm 10W865 T8	50 °C
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	50 °C
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	50 °C
929004246008	MAS LEDtube 1200mm MO 23W840 T8	55 °C
929004246108	MAS LEDtube 1200mm MO 23W865 T8	55 °C

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929003556008	MAS LEDtube 1200mm HO 14W830 T8	-20 °C to 45 °C
929003556108	MAS LEDtube 1200mm HO 14W840 T8	-20 °C to 45 °C
929003556208	MAS LEDtube 1200mm HO 14W865 T8	-20 °C to 45 °C
929003805708	MAS LEDtube 600mm HO 8W830 T8	-20 to +45 °C
929003805808	MAS LEDtube 600mm HO 8W840 T8	-20 to +45 °C
929003805908	MAS LEDtube 600mm HO 8W865 T8	-20 to +45 °C
929003806008	MAS LEDtube 1200mm HO 13W830 T8	-20 to +45 °C
929003806108	MAS LEDtube 1200mm HO 13W840 T8	-20 to +45 °C
929003806208	MAS LEDtube 1200mm HO 13W865 T8	-20 to +45 °C
929003806308	MAS LEDtube STD 1200mm 10W840 T8	-20 to +45 °C
929003806408	MAS LEDtube STD 1200mm 10W865 T8	-20 to +45 °C
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	-20 to +45 °C
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	-20 to +45 °C
929004246008	MAS LEDtube 1200mm MO 23W840 T8	-20 to +45 °C
929004246108	MAS LEDtube 1200mm MO 23W865 T8	-20 to +45 °C



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