



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
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- No mercury
- No mercury

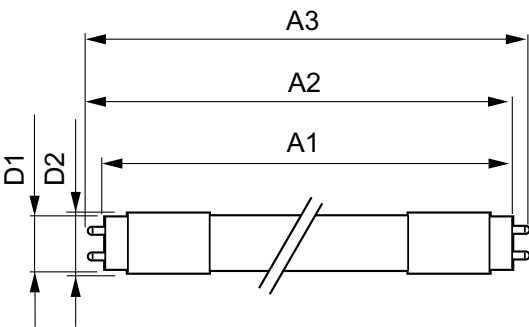
Application

- 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

- -
- -

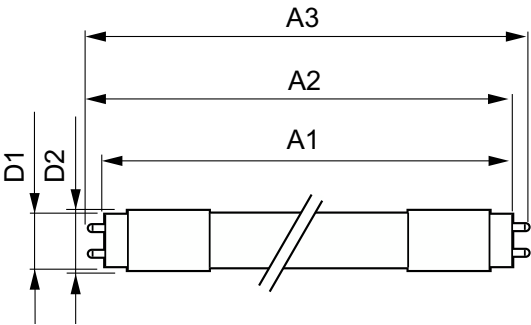
Dimensional drawing



Product					
MAS LEDtube 1200mm HO VWV 14W					
840 T8 GM					
MAS LEDtube 1200mm HO VWV 14W					
865 T8 GM					
MAS LEDtube 1200mm HO VWV 18W	25.8	28	1,198.2	1,205.3	1,212.4
840 T8 GM	mm	mm	mm	mm	mm
MAS LEDtube 600mm HO VWV 10W	25.8	28	588.5	595.5	602.5
840 T8 GM	mm	mm	mm	mm	mm
MAS LEDtube 600mm HO VWV 10W	25.8	28	588.6	595.6	602.6
865 T8 GM	mm	mm	mm	mm	mm
MAS LEDtube 600mm HO VWV 8W					
840 T8 GM					
MAS LEDtube 600mm HO VWV 8W					
865 T8 GM					

MASTER LEDtube T8

Dimensional drawing



Product	D1	D2	A1	A2	A3
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 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 10.5W865 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

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

		Correlated Color			
Order Code	Full Product Name	Beam Angle (Nom)	Temperature (Nom)	Color	
				Code	Luminous Flux
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	190 degree(s)	4000 K	840	2,100 lm
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	190 degree(s)	4000 K	840	1,050 lm
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	190 degree(s)	6500 K	865	1,050 lm
929004285508	MAS LEDtube 1200mm HO VWV 14W 840 T8 GM	190 degree(s)	4000 K	840	2,100 lm
929004285608	MAS LEDtube 1200mm HO VWV 14W 865 T8 GM	190 degree(s)	6500 K	865	2,100 lm
929004285708	MAS LEDtube 600mm HO VWV 8W 840 T8 GM	190 degree(s)	4000 K	840	1,050 lm
929004285808	MAS LEDtube 600mm HO VWV 8W 865 T8 GM	190 degree(s)	6500 K	865	1,050 lm
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	190 degree(s)	6500 K	865	1,600 lm
929003556008	MAS LEDtube 1200mm HO 14W830 T8	190 degree(s)	3000 K	830	2,000 lm

MASTER LEDtube T8

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		
			Temperature (Nom)	Color Code	Luminous Flux
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
929003806208	MAS LEDtube 1200mm HO 13W865 T8	190 degree(s)	6500 K	865	2,100 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	Order Code	Full Product Name	Line Frequency	Power Consumption	Wattage Equivalent
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	50 to 60 Hz	18 W	-	929003556008	MAS LEDtube 1200mm HO 14W830 T8	50 to 60 Hz	14 W	-
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	50 to 60 Hz	10 W	-	929003556208	MAS LEDtube 1200mm HO 14W865 T8	50 to 60 Hz	14 W	-
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	50 to 60 Hz	10 W	-	929003805708	MAS LEDtube 600mm HO 8W830 T8	-	8 W	18 W
929004285508	MAS LEDtube 1200mm HO VWV 14W 840 T8 GM	-	14 W	36 W	929003805808	MAS LEDtube 600mm HO 8W840 T8	-	8 W	18 W
929004285608	MAS LEDtube 1200mm HO VWV 14W 865 T8 GM	-	14 W	36 W	929003805908	MAS LEDtube 600mm HO 8W865 T8	-	8 W	18 W
929004285708	MAS LEDtube 600mm HO VWV 8W 840 T8 GM	-	8 W	18 W	929003806208	MAS LEDtube 1200mm HO 13W865 T8	-	13 W	36 W
929004285808	MAS LEDtube 600mm HO VWV 8W 865 T8 GM	-	8 W	18 W	929003806408	MAS LEDtube STD 1200mm 10W865 T8	-	10 W	36 W
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	50 to 60 Hz	10.5 W	-	929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	-	18.7 W	38 W

MASTER LEDtube T8

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

Order Code	Full Product Name	Line	Power	Wattage
		Frequency	Consumption	Equivalent
929004246108	MAS LEDtube 1200mm MO 23W865 T8	-	23 W	48 W

Temperature

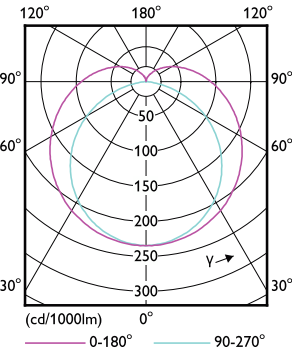
Order Code	Full Product Name	T-Case Maximum (Nom)
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	50 °C
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	50 °C
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	50 °C
929004285508	MAS LEDtube 1200mm HO VWV 14W 840 T8 GM	55 °C
929004285608	MAS LEDtube 1200mm HO VWV 14W 865 T8 GM	55 °C
929004285708	MAS LEDtube 600mm HO VWV 8W 840 T8 GM	50 °C
929004285808	MAS LEDtube 600mm HO VWV 8W 865 T8 GM	50 °C

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
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
929003806208	MAS LEDtube 1200mm HO 13W865 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

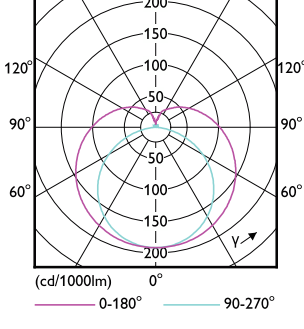
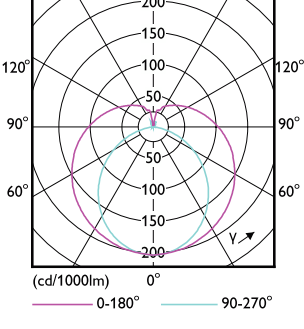
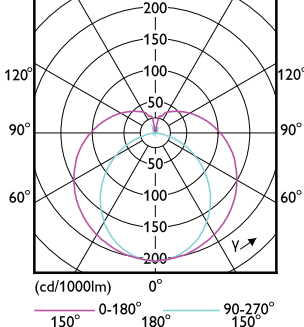
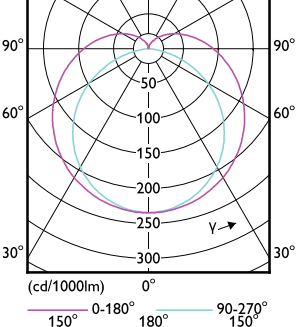
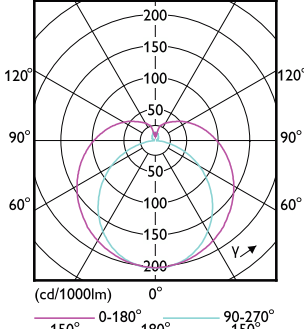
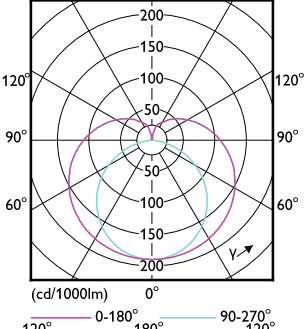
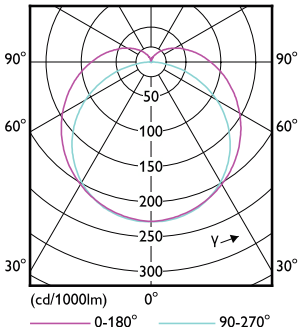
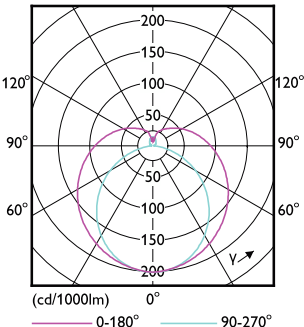
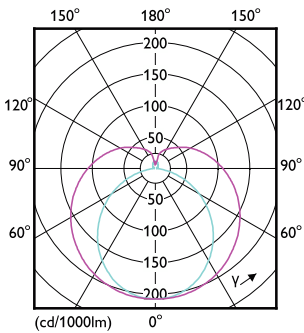
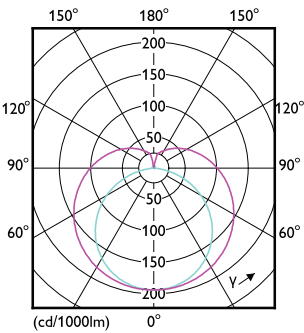
Approval and Application

Order Code	Full Product Name	Ambient temperature range
929003557908	MAS LEDtube 1200mm HO VWV 18W 840 T8 GM	-20 °C to +45 °C
929003558108	MAS LEDtube 600mm HO VWV 10W 840 T8 GM	-20 °C to +45 °C
929003558208	MAS LEDtube 600mm HO VWV 10W 865 T8 GM	-20 °C to +45 °C
929004285508	MAS LEDtube 1200mm HO VWV 14W 840 T8 GM	-20 to +45 °C
929004285608	MAS LEDtube 1200mm HO VWV 14W 865 T8 GM	-20 to +45 °C
929004285708	MAS LEDtube 600mm HO VWV 8W 840 T8 GM	-20 to +45 °C
929004285808	MAS LEDtube 600mm HO VWV 8W 865 T8 GM	-20 to +45 °C
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	-20 °C to +45 °C
929003556008	MAS LEDtube 1200mm HO 14W830 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
929003806208	MAS LEDtube 1200mm HO 13W865 T8	-20 to +45 °C
929003806408	MAS LEDtube STD 1200mm 10W865 T8	-20 to +45 °C

Order Code	Full Product Name	Ambient temperature range
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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