



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

Features

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

Application

- Car parks
- Warehouses
- Transport and distribution areas
- Front & back of house retail & hospitality

Warnings and Safety

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MASTER LEDtube T8

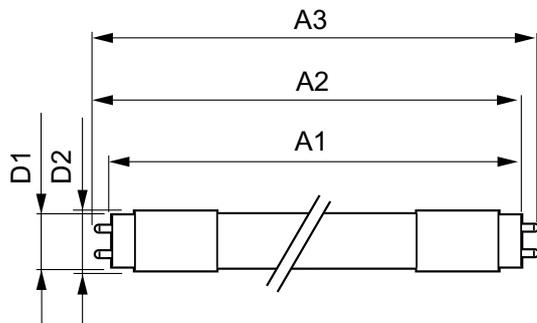
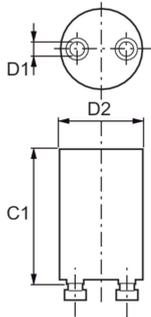
Versions



SPPR OTHER 0003

MASTER LEDtube T8

Dimensional drawing



Product	D1	D2	C1
MASTER LEDtube Starter EMP	3 mm	21.5 mm	34.5 mm

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 MY	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 13W865 T8 MY	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 14W840 T8 MY	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 14W865 T8 MY	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 MY	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W840 T8 MY	25.8 mm	28 mm	595.7 mm	598.8 mm	604 mm
MAS LEDtube 600mm HO 8W865 T8 MY	25.8 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W865 T8 MY	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

Operating and Electrical

Input Frequency	50 to 60 Hz
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General Information

MASTER LEDtube T8

Order Code	Full Product Name	Cap-Base	Switching Cycle	Nominal lifetime
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	G13	200,000	60,000 hour(s)
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	G13	200,000	60,000 hour(s)
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	G13	200,000	60,000 hour(s)
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	G13	200,000	60,000 hour(s)
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	G13	200,000	60,000 hour(s)
929003805708	MAS LEDtube 600mm HO 8W830 T8	G13	200,000	60,000 hour(s)
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	G13	200,000	60,000 hour(s)
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	G13	200,000	60,000 hour(s)

Order Code	Full Product Name	Cap-Base	Switching Cycle	Nominal lifetime
929003806008	MAS LEDtube 1200mm HO 13W830 T8	G13	200,000	60,000 hour(s)
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	G13	200,000	60,000 hour(s)
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	G13	200,000	60,000 hour(s)
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	G13	200,000	60,000 hour(s)
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	G13	200,000	60,000 hour(s)
929004246008	MAS LEDtube 1200mm MO 23W840 T8	G13	200,000	60,000 hour(s)
929004246108	MAS LEDtube 1200mm MO 23W865 T8	G13	200,000	60,000 hour(s)
929000299902	MASTER LEDtube Starter EMP	-	-	-

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		Color rendering index (CRI)	Color Code	LLMF At End Of Nominal Lifetime		Luminous Flux
			Temperature (Nom)				(Nom)		
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	190 degree(s)	6500 K	80	865	70 %		1,600 lm	
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	190 degree(s)	4000 K	80	840	70 %		2,100 lm	
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	190 degree(s)	6500 K	80	865	70 %		2,100 lm	
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	190 degree(s)	4000 K	83	840	70 %		1,050 lm	
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	190 degree(s)	6500 K	83	865	70 %		1,050 lm	
929003805708	MAS LEDtube 600mm HO 8W830 T8	190 degree(s)	3000 K	80	830	70 %		1,150 lm	
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	190 degree(s)	4000 K	80	840	70 %		1,200 lm	
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	190 degree(s)	6500 K	80	865	70 %		1,200 lm	
929003806008	MAS LEDtube 1200mm HO 13W830 T8	190 degree(s)	3000 K	80	830	70 %		2,000 lm	
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	190 degree(s)	4000 K	80	840	70 %		2,100 lm	
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	190 degree(s)	6500 K	80	865	70 %		2,100 lm	
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	160 degree(s)	4000 K	80	840	70 %		3,000 lm	
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	160 degree(s)	6500 K	80	865	70 %		3,000 lm	
929004246008	MAS LEDtube 1200mm MO 23W840 T8	160 degree(s)	4000 K	80	840	70 %		3,700 lm	
929004246108	MAS LEDtube 1200mm MO 23W865 T8	160 degree(s)	6500 K	80	865	70 %		3,700 lm	
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-		-	

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	50 to 60 Hz	10.5 W	0.5 s	-
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	50 to 60 Hz	14 W	0.5 s	-

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	50 to 60 Hz	14 W	0.5 s	-
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	50 to 60 Hz	8 W	0.5 s	-

MASTER LEDtube T8

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	50 to 60 Hz	8 W	0.5 s	-
929003805708	MAS LEDtube 600mm HO 8W830 T8	-	8 W	0.5 s	18 W
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	-	8 W	0.5 s	18 W
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	-	8 W	0.5 s	18 W
929003806008	MAS LEDtube 1200mm HO 13W830 T8	-	13 W	0.5 s	36 W
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	-	13 W	0.5 s	36 W

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	-	13 W	0.5 s	36 W
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	-	18.7 W	0.5 s	38 W
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	-	18.7 W	0.5 s	38 W
929004246008	MAS LEDtube 1200mm MO 23W840 T8	-	23 W	0.5 s	48 W
929004246108	MAS LEDtube 1200mm MO 23W865 T8	-	23 W	0.5 s	48 W
929000299902	MASTER LEDtube Starter EMP	50 to 60 Hz	-	-	-

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	50 °C
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	50 °C
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	50 °C
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	50 °C
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	50 °C
929003805708	MAS LEDtube 600mm HO 8W830 T8	50 °C
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	50 °C
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003806008	MAS LEDtube 1200mm HO 13W830 T8	50 °C
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	50 °C
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	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
929000299902	MASTER LEDtube Starter EMP	-

Controls and Dimming

Order Code	Full Product Name	Dimmable
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	No
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	No
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	No
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	No
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	No
929003805708	MAS LEDtube 600mm HO 8W830 T8	No
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	No
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	No

Order Code	Full Product Name	Dimmable
929003806008	MAS LEDtube 1200mm HO 13W830 T8	No
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	No
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	No
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	No
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	No
929004246008	MAS LEDtube 1200mm MO 23W840 T8	No
929004246108	MAS LEDtube 1200mm MO 23W865 T8	No
929000299902	MASTER LEDtube Starter EMP	-

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	Frosted	T8
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	Frosted	T8
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	Frosted	T8

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	Frosted	T8
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	Frosted	T8
929003805708	MAS LEDtube 600mm HO 8W830 T8	Frosted	T8

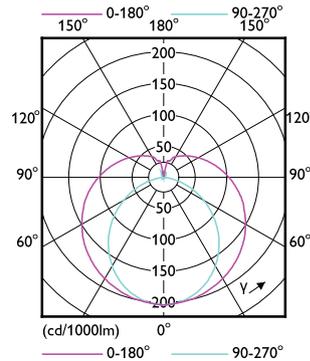
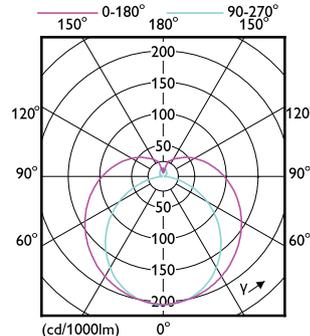
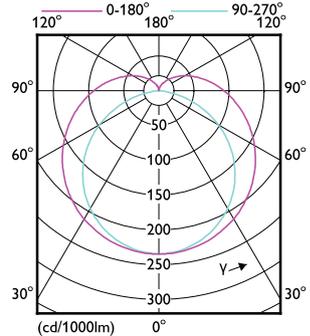
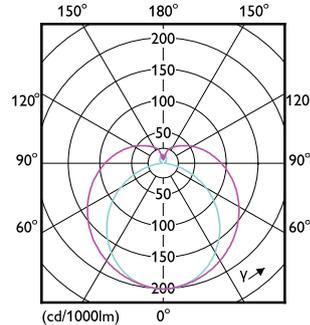
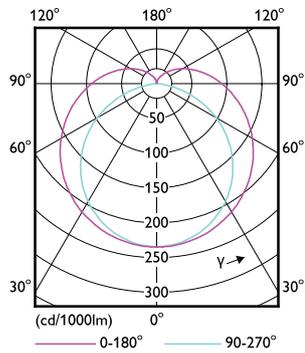
MASTER LEDtube T8

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	Frosted	T8
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	Frosted	T8
929003806008	MAS LEDtube 1200mm HO 13W830 T8	Frosted	T8
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	Frosted	T8
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	Frosted	T8

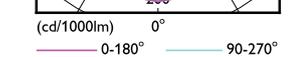
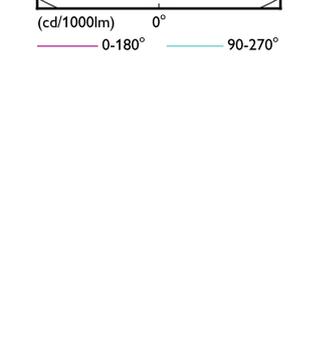
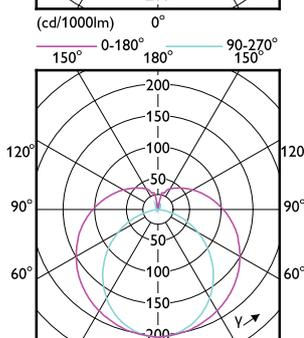
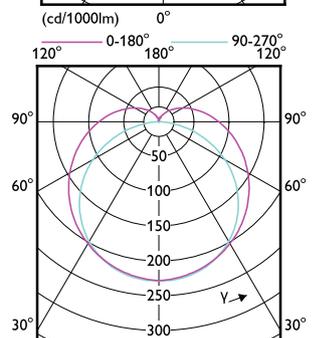
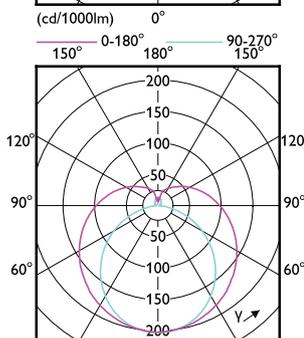
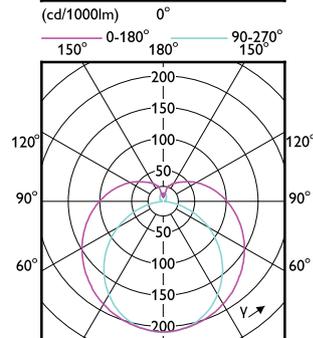
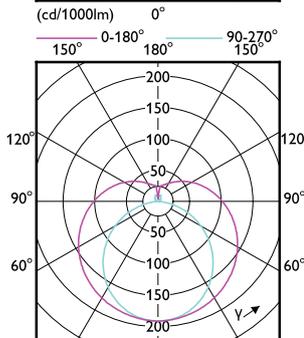
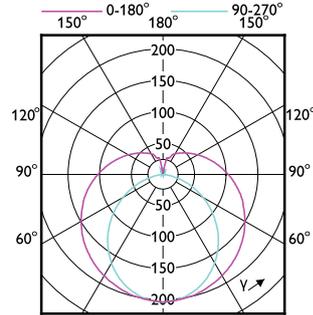
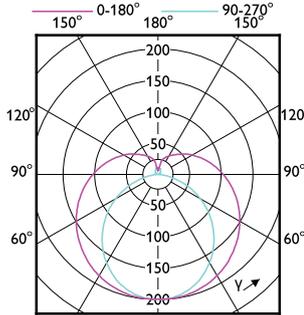
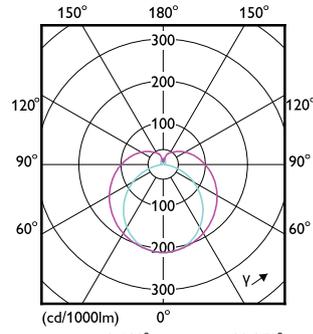
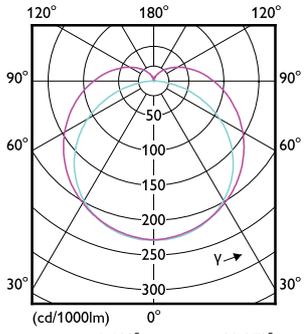
Order Code	Full Product Name	Bulb Finish	Bulb Shape
929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	Frosted	T8
929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	Frosted	T8
929004246008	MAS LEDtube 1200mm MO 23W840 T8	Frosted	T8
929004246108	MAS LEDtube 1200mm MO 23W865 T8	Frosted	T8
929000299902	MASTER LEDtube Starter EMP	-	-

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	-20 °C to 45 °C
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	-20 °C to 45 °C
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	-20 °C to 45 °C
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	-20 °C to 45 °C
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	-20 °C to 45 °C
929003805708	MAS LEDtube 600mm HO 8W830 T8	-20 to +45 °C
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	-20 to +45 °C
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	-20 to +45 °C
929003806008	MAS LEDtube 1200mm HO 13W830 T8	-20 to +45 °C
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	-20 to +45 °C
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	-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
929000299902	MASTER LEDtube Starter EMP	-



MASTER LEDtube T8



MASTER LEDtube T8

