



For top performance and sustainability

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. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

Benefits

- Absolute performance that provides a solution for every application
- Unparalleled savings with low energy consumption and long lifetime
- Robust and reliable: stands up to everyday conditions

Features

- Retrofit existing T8 lamps on EM ballast or mains
- > 50% energy savings compared to fluorescent tubes with up to 185lm/W
- Extra-long life up to 75,000 hours
- Shatterproof, passing drop test horizontally from a height of 4m on to a flat concrete according to IEC 61549.
- Enable easy implementation of HACCP without need for additional guard, supported by product level NSF certificate
- 160° small beam angle to ensure higher flux where needed
- No mercury

Application

- Parking lots / covered car parks
- Warehouses / coldrooms / signage
- Transport and distribution areas
- Food & Museums

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Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

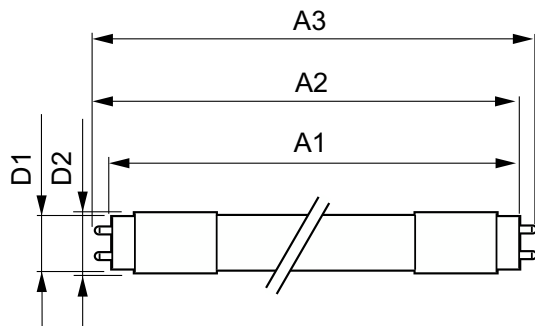
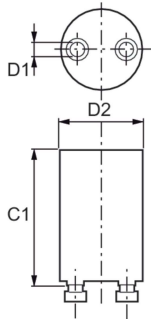
Versions



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	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	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
MAS LEDtube STD 1200mm 10W865 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

MASTER LEDtube T8

Operating and Electrical

Input Frequency 50 to 60 Hz

General Information

Order Code	Full Product Name	Cap-Base	Switching Cycle	Nominal lifetime	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)	929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	G13	200,000	60,000 hour(s)
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	G13	200,000	60,000 hour(s)	929003806208	MAS LEDtube 1200mm HO 13W865 T8	G13	200,000	60,000 hour(s)
929003556208	MAS LEDtube 1200mm HO 14W865 T8	G13	200,000	60,000 hour(s)	929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	G13	200,000	60,000 hour(s)
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	G13	200,000	60,000 hour(s)	929003806408	MAS LEDtube STD 1200mm 10W865 T8	G13	200,000	60,000 hour(s)
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	G13	200,000	60,000 hour(s)	929004245808	MAS LEDtube 1200mm UO+ 18.7W840 T8	G13	200,000	60,000 hour(s)
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	G13	200,000	60,000 hour(s)	929004245908	MAS LEDtube 1200mm UO+ 18.7W865 T8	G13	200,000	60,000 hour(s)
929003805708	MAS LEDtube 600mm HO 8W830 T8	G13	200,000	60,000 hour(s)	929004246008	MAS LEDtube 1200mm MO 23W840 T8	G13	200,000	60,000 hour(s)
929003805837	MAS LEDtube 600mm HO 8W840 T8 MY	G13	200,000	60,000 hour(s)	929004246108	MAS LEDtube 1200mm MO 23W865 T8	G13	200,000	60,000 hour(s)
929003805937	MAS LEDtube 600mm HO 8W865 T8 MY	G13	200,000	60,000 hour(s)	929000299902	MASTER LEDtube Starter EMP	-	-	-
929003806008	MAS LEDtube 1200mm HO 13W830 T8	G13	200,000	60,000 hour(s)					

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color		Color rendering		LLMF At End Of		Luminous Flux
			Temperature (Nom)	index (CRI)	Color Code	Nominal Lifetime (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		
929003556208	MAS LEDtube 1200mm HO 14W865 T8	190 degree(s)	6500 K	80	865	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		
929003806208	MAS LEDtube 1200mm HO 13W865 T8	190 degree(s)	6500 K	80	865	70 %	2,100 lm		
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	190 degree(s)	6500 K	80	865	70 %	2,100 lm		
929003806408	MAS LEDtube STD 1200mm 10W865 T8	190 degree(s)	6500 K	80	865	70 %	1,600 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	-	-	-	-	-	-		

MASTER LEDtube T8

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	-
929003556208	MAS LEDtube 1200mm HO 14W865 T8	50 to 60 Hz	14 W	0.5 s	-
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	-
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

Order Code	Full Product Name	Line Frequency	Power Consumption	Starting	
				Time (Nom)	Wattage Equivalent
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	-	13 W	0.5 s	36 W
929003806208	MAS LEDtube 1200mm HO 13W865 T8	-	13 W	0.5 s	36 W
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	-	13 W	0.5 s	36 W
929003806408	MAS LEDtube STD 1200mm 10W865 T8	-	10 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
929003556208	MAS LEDtube 1200mm HO 14W865 T8	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
929003806008	MAS LEDtube 1200mm HO 13W830 T8	50 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	50 °C
929003806208	MAS LEDtube 1200mm HO 13W865 T8	50 °C
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	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
929000299902	MASTER LEDtube Starter EMP	-

Controls and Dimming

MASTER LEDtube T8

Order Code	Full Product Name	Dimmable
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	No
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	No
929003556208	MAS LEDtube 1200mm HO 14W865 T8	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
929003806008	MAS LEDtube 1200mm HO 13W830 T8	No

Order Code	Full Product Name	Dimmable
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	No
929003806208	MAS LEDtube 1200mm HO 13W865 T8	No
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	No
929003806408	MAS LEDtube STD 1200mm 10W865 T8	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

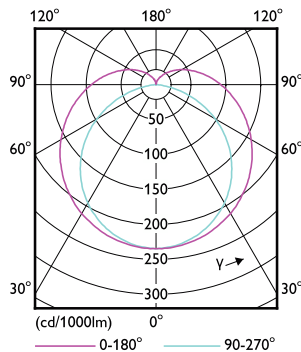
Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	Frosted	T8
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	Frosted	T8
929003556208	MAS LEDtube 1200mm HO 14W865 T8	Frosted	T8
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	Frosted	T8
929003557337	MAS 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
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

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003806137	MAS LEDtube 1200mm HO 13W840 T8 MY	Frosted	T8
929003806208	MAS LEDtube 1200mm HO 13W865 T8	Frosted	T8
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	Frosted	T8
929003806408	MAS LEDtube STD 1200mm 10W865 T8	Frosted	T8
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	-	-

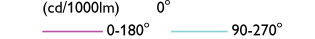
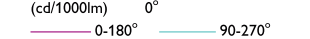
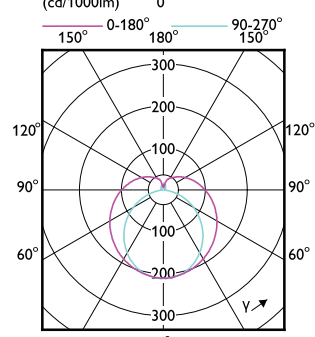
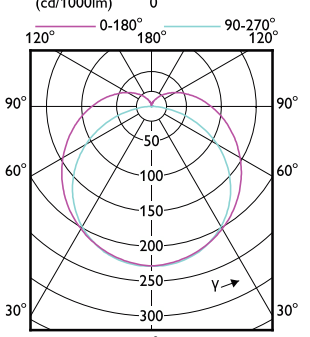
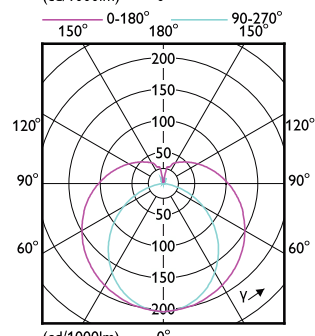
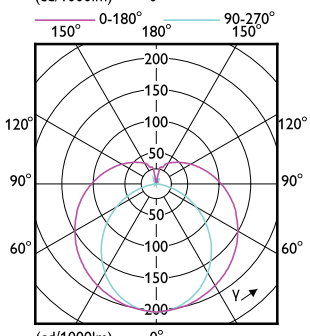
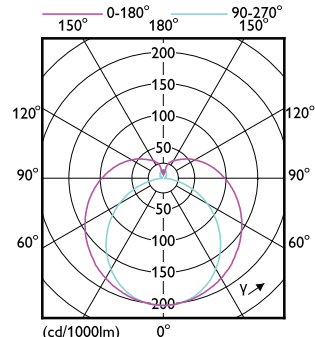
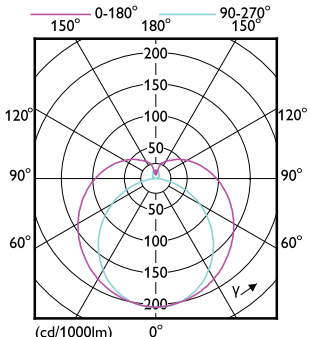
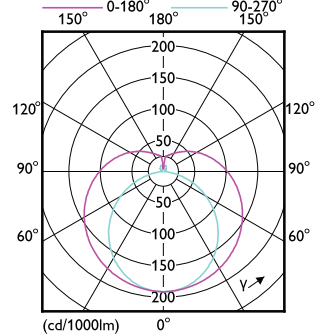
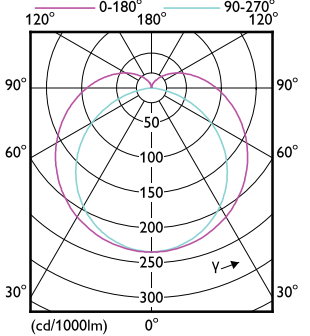
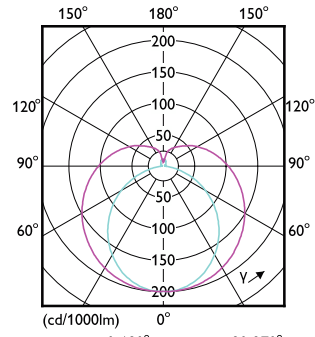
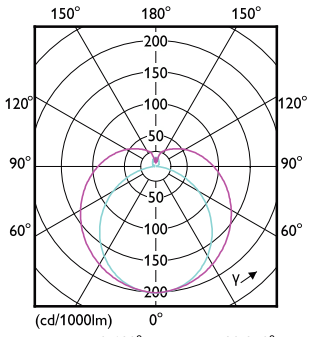
Approval and Application

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
929003556208	MAS LEDtube 1200mm HO 14W865 T8	-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
929003806208	MAS LEDtube 1200mm HO 13W865 T8	-20 to +45 °C
929003806237	MAS LEDtube 1200mm HO 13W865 T8 MY	-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

Order Code	Full Product Name	Ambient temperature range
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

