



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
- 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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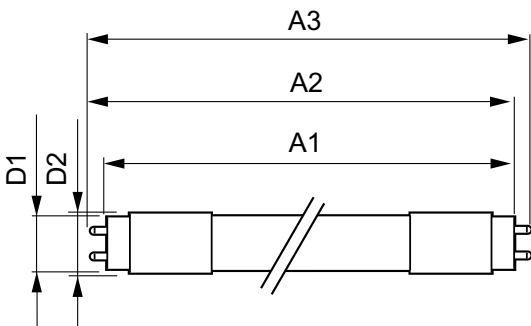
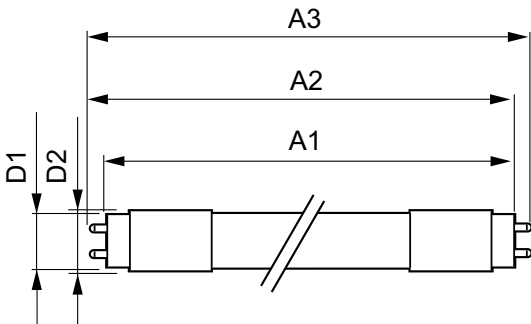
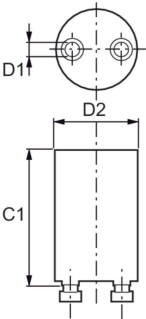
Versions



SPPR OTHER 0003

MASTER LEDtube EM/Mains 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 UO 14.7W 840 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

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 12.5W 830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 12.5W 840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube 1200mm HO 12.5W 865 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 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 1500mm HO 18.2W 830 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
MAS LEDtube 1500mm HO 18.2W 840 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
MAS LEDtube 1500mm HO 18.2W 865 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
MAS LEDtube 600mm HO 8W830 T8	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	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W865 T8 MY	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

MASTER LEDtube EM/Mains T8

Dimensional drawing

Product	D1	D2	A1	A2	A3
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
Line 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
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	G13 ROT	200,000	75,000 hour(s)	929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	G13	200,000	60,000 hour(s)
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	G13 ROT	200,000	75,000 hour(s)	929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	G13 ROT	200,000	75,000 hour(s)
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	G13	200,000	60,000 hour(s)	929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	G13 ROT	200,000	75,000 hour(s)
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	G13	200,000	60,000 hour(s)	929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	G13 ROT	200,000	75,000 hour(s)
929003556008	MAS LEDtube 1200mm HO 14W830 T8	G13	200,000	60,000 hour(s)	929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	G13 ROT	200,000	75,000 hour(s)
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	G13	200,000	60,000 hour(s)	929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	G13 ROT	200,000	75,000 hour(s)
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	G13	200,000	60,000 hour(s)	929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	G13 ROT	200,000	75,000 hour(s)
929003557208	MAS LEDtube 600mm HO 8W830 T8	G13	200,000	60,000 hour(s)	929000299902	MASTER LEDtube Starter EMP	-	-	-
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	G13	200,000	60,000 hour(s)					

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color	Color rendering index (CRI)	LLMF At End Of		
			Temperature (Nom)		Color Code	Nominal Lifetime	Luminous Flux
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	160 degree(s)	4000 K	80	840	70 %	2,500 lm
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	160 degree(s)	6500 K	80	865	70 %	2,500 lm
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	190 degree(s)	4000 K	80	840	70 %	1,600 lm
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	190 degree(s)	6500 K	80	865	70 %	1,600 lm
929003556008	MAS LEDtube 1200mm HO 14W830 T8	190 degree(s)	3000 K	80	830	70 %	2,000 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
929003557208	MAS LEDtube 600mm HO 8W830 T8	190 degree(s)	3000 K	83	830	70 %	1,000 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
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	160 degree(s)	3000 K	80	830	70 %	2,000 lm
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	160 degree(s)	4000 K	80	840	70 %	2,100 lm
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	160 degree(s)	6500 K	80	865	70 %	2,100 lm

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Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color	Color rendering index (CRI)	Color Code	LLMF At End Of	Luminous Flux
			Temperature (Nom)			Nominal Lifetime	
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	160 degree(s)	3000 K	80	830	70 %	2,900 lm
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	160 degree(s)	4000 K	80	840	70 %	3,100 lm
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	160 degree(s)	6500 K	80	865	70 %	3,100 lm
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-	-

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Starting Time (Nom)
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	14.7 W	0.5 s
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	14.7 W	0.5 s
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	10.5 W	0.5 s
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	10.5 W	0.5 s
929003556008	MAS LEDtube 1200mm HO 14W830 T8	14 W	0.5 s
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	14 W	0.5 s
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	14 W	0.5 s
929003557208	MAS LEDtube 600mm HO 8W830 T8	8 W	0.5 s
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	8 W	0.5 s

Order Code	Full Product Name	Power Consumption	Starting Time (Nom)
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	8 W	0.5 s
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	12.5 W	0.5 s
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	12.5 W	0.5 s
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	12.5 W	0.5 s
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	18.2 W	0.5 s
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	18.2 W	0.5 s
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	18.2 W	0.5 s
929000299902	MASTER LEDtube Starter EMP	-	-

Temperature

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	-20 °C to 45 °C	55 °C
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	-20 °C to 45 °C	55 °C
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	-20 °C to 45 °C	50 °C
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	-20 °C to 45 °C	50 °C
929003556008	MAS LEDtube 1200mm HO 14W830 T8	-20 °C to 45 °C	50 °C
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	-20 °C to 45 °C	50 °C
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	-20 °C to 45 °C	50 °C
929003557208	MAS LEDtube 600mm HO 8W830 T8	-20 °C to 45 °C	50 °C
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	-20 °C to 45 °C	50 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	-20 °C to 45 °C	50 °C
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	-20 °C to 45 °C	50 °C
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	-20 °C to 45 °C	50 °C
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	-20 °C to 45 °C	50 °C
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	-20 °C to 45 °C	55 °C
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	-20 °C to 45 °C	55 °C
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	-20 °C to 45 °C	55 °C
929000299902	MASTER LEDtube Starter EMP	-	-

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Controls and Dimming

Order Code	Full Product Name	Dimmable
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	No
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	No
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	No
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	No
929003556008	MAS LEDtube 1200mm HO 14W830 T8	No
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	No
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	No
929003557208	MAS LEDtube 600mm HO 8W830 T8	No
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	No

Order Code	Full Product Name	Dimmable
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	No
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	No
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	No
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	No
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	No
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	No
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	No
929000299902	MASTER LEDtube Starter EMP	-

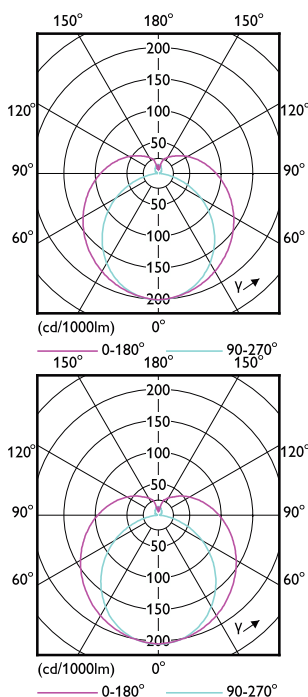
Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	Frosted	T8
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	Frosted	T8
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	Frosted	T8
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	Frosted	T8
929003556008	MAS LEDtube 1200mm HO 14W830 T8	Frosted	T8
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	Frosted	T8
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	Frosted	T8
929003557208	MAS LEDtube 600mm HO 8W830 T8	Frosted	T8
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	Frosted	T8

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	Frosted	T8
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	Frosted	T8
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	Frosted	T8
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	Frosted	T8
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	Frosted	T8
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	Frosted	T8
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	Frosted	T8
929000299902	MASTER LEDtube Starter EMP	-	-

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002998302	MAS LEDtube 1200mm UO 14.7W 840 T8	15 kWh
929002998402	MAS LEDtube 1200mm UO 14.7W 865 T8	15 kWh
929003555808	MAS LEDtube STD 1200mm 10.5W840 T8	-
929003555908	MAS LEDtube STD 1200mm 10.5W865 T8	-
929003556008	MAS LEDtube 1200mm HO 14W830 T8	-
929003556137	MAS LEDtube 1200mm HO 14W840 T8 MY	-
929003556237	MAS LEDtube 1200mm HO 14W865 T8 MY	-
929003557208	MAS LEDtube 600mm HO 8W830 T8	-
929003557337	MAS LEDtube 600mm HO 8W840 T8 MY	-
929003557437	MAS LEDtube 600mm HO 8W865 T8 MY	-
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	13 kWh
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	13 kWh
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	13 kWh
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	19 kWh
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	19 kWh
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	19 kWh
929000299902	MASTER LEDtube Starter EMP	-



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