



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

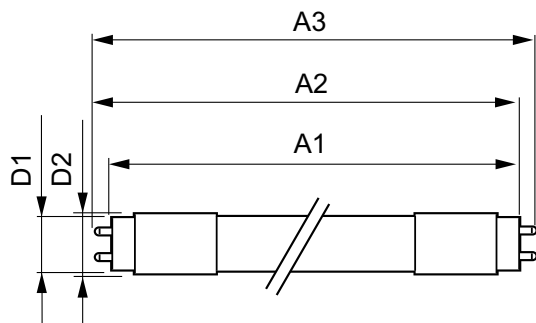
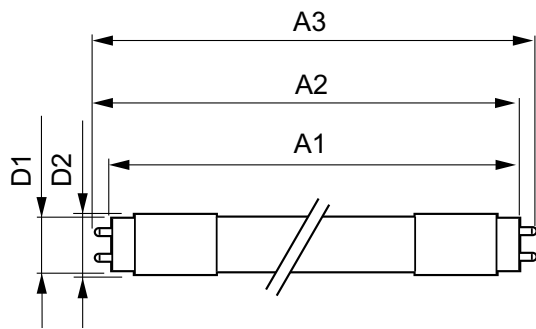
• -

MASTER LEDtube EM/Mains T8

Versions



Dimensional drawing



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

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm HO 14W830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1200mm HO 14W865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1200mm HO 14W840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Product	D1	D2	A1	A2	A3
MASTER LEDtube STD 1200mm 10.5W865 T8 I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube STD 1200mm 10.5W840 T8 I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1200mm UO 14.7W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

MASTER LEDtube EM/Mains T8

Operating and Electrical

Input Frequency	50 to 60 Hz
-----------------	-------------

Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929000299902	MASTER LEDtube Starter EMP	-	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	220-240 V	10.5 W	0.5 s
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	220-240 V	10.5 W	0.5 s
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	220-240 V	14 W	0.5 s

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	220-240 V	14 W	0.5 s
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	220-240 V	14 W	0.5 s
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	220-240 V	14.7 W	0.5 s

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
929000299902	MASTER LEDtube Starter EMP	-	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	G13	50000 h	200,000X
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	G13	50000 h	200,000X
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	G13	50000 h	200,000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	G13	50000 h	200,000X
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	G13	50000 h	200,000X
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	G13 ROT (Rotating)	70000 h	200,000X

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929000299902	MASTER LEDtube Starter EMP	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	11 kWh
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	11 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	14 kWh
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	14 kWh
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	14 kWh
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	15 kWh

Controls and Dimming

Order Code	Full Product Name	Dimmable
929000299902	MASTER LEDtube Starter EMP	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	No
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	No
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	No

Order Code	Full Product Name	Dimmable
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	No
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	No
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	No

Light Technical

MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Colour		Colour Rendering Index (Nom)	Llmf At End Of	
			Colour Code	Temperature (Nom)		Nominal Lifetime (Nom)	Luminous Flux (Nom)
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	160 °	840	4000 K	83	70 %	1600 lm
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	160 °	865	6500 K	83	70 %	1600 lm
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	160 °	830	3000 K	83	70 %	2000 lm
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	160 °	840	4000 K	83	70 %	2100 lm
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	160 °	865	6500 K	83	70 %	2100 lm
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	160 °	865	6500 K	80	70 %	2500 lm

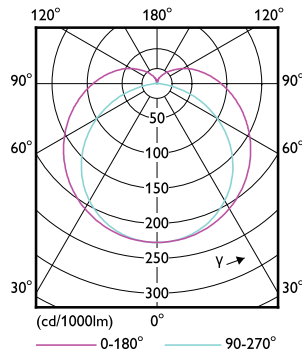
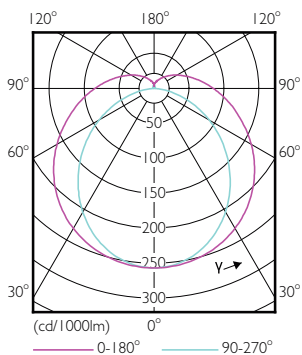
Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929000299902	MASTER LEDtube Starter EMP	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	-	Tube, double-ended
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	-	Tube, double-ended
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	-	Tube, double-ended

Order Code	Full Product Name	Bulb Finish	Bulb Shape
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	-	Tube, double-ended
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	-	Tube, double-ended
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	Frosted	Tube, double-ended

Temperature

Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)	T-Storage (Max)	T-Storage (Min)
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002998402	MASTER LEDtube 1200mm UO 14.7W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C



MASTER LEDtube EM/Mains T8

