



# 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

### 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 50,000 hours
- Retrofit to existing T8 lamps on EM ballast installations
- Full safety features and EM Protector safety device
- No mercury

### Application

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

# MASTER LEDtube EM/Mains T8

## Versions



G13

G13

G13

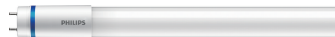
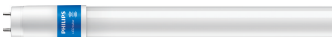


G13

G13

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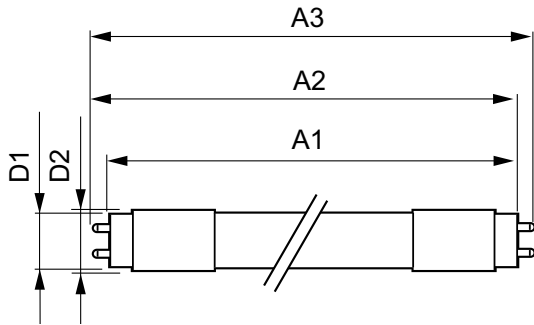


LEDtube G13

G13

# MASTER LEDtube EM/Mains T8

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube STD 1200mm 10.5W865 T8 I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm 14W 840 T8 THD	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm 14W 865 T8 THD	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 600mm HO 8W840 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 900mm HO 12W 840 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm
MAS LEDtube 1200mm UO 16W 840 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
Master LEDTube 1200 mm 18W 840 T8 I W	25.6 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm
Master LEDTube 600 mm 10W 865 T8 I W	25.6 mm	27.8 mm	588.6 mm	595.7 mm	602.8 mm
Master LEDTube 1200 mm 18W 865 T8 I W	25.6 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm
Master LEDTube 1200 mm 18W 840 T8 I W	25.6 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm
MAS LEDtube 1500mm UO 23W 840 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm UO 15.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm UO 15.5W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UO 23W 830 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm UO 15.5W 830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UO 23W 865 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1198.2 mm
MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1198.2 mm
MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1498.7 mm
MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1498.7 mm
MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1498.7 mm
MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1198.2 mm
MAS LEDtube Sensor 1500mm HO 24W865 T8	25.8 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube Sensor 1200mm HO 16.5W865 T8	25.8 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm

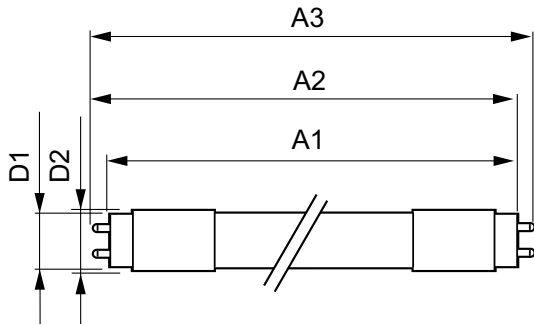
# MASTER LEDtube EM/Mains T8

## Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube Sensor 1200mm HO 16.5W840 T8	25.8 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm
MAS LEDtube Sensor 1500mm HO 24W840 T8	25.8 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube 1050mm 16W 830 T8	25.8 mm	28 mm	1045.8 mm	1052.9 mm	1060 mm
MAS LEDtube STD 1200mm 10.5W840 T8 I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
Master LEDTube 1200 mm 18W 865 T8 I W	25.6 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm
MASTER LEDtube 1800mm 25W 840 T8 ROT	25.68 mm	28 mm	1762.5 mm	1770 mm	1776.7 mm
Master LEDTube 600 mm 10W 840 T8 I W	25.6 mm	27.8 mm	588.6 mm	595.7 mm	602.8 mm
MAS LEDtube 900mm HO 12W 865 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm
MAS LEDtube 600mm HO 8W830 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W865 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 1200mm UO 16W 865 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UO 24W 840 T8	25.78 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1500mm UO 24W 865 T8	25.78 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1500mm UO 24W 830 T8	25.78 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm UO 16W 830 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
Master LEDTube 1200 mm 18W 865 T8 I W	25.6 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm
Master LEDTube 1200 mm 18W 840 T8 I W	25.6 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm
Master LEDTube 600 mm 10W 865 T8 I W	25.6 mm	27.8 mm	588.6 mm	595.7 mm	602.8 mm
Master LEDTube 600 mm 10W 840 T8 I W	25.6 mm	27.8 mm	588.6 mm	595.7 mm	602.8 mm

# MASTER LEDtube EM/Mains T8

## Dimensional drawing

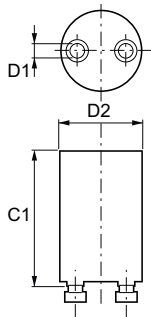


Product	D1	D2	A1	A2	A3
MAS LEDtube STD 1200mm 14W840 T8 I W	25.7 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm HO 14W840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm HO 14W865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm HO 14W830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 900mm 8.5W833 T8 FOOD	25.7 mm	28 mm	893.3 mm	900.4 mm	907.5 mm
MAS LEDtube 1200mm 12W833 T8 FOOD	25.7 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm 20W833 T8 FOOD	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube 1500mm UE 21.5W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MAS LEDtube 1200mm UE 14.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UE 21.5W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MAS LEDtube 1200mm UE 14.5W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm UO 16W 830 T8 G I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UO 24W 830 T8 G I	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1500mm UO 24W 865 T8 G	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1050mm 16W 840 T8	25.8 mm	28 mm	1045.8 mm	1052.9 mm	1060 mm
MAS LEDtube 1500mm UO 24W 830 T8 G	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1500mm HO 18.2W 830 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MAS LEDtube 1500mm HO 18.2W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MAS LEDtube 1500mm HO 18.2W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MAS LEDtube 1200mm UO 16W 865 T8 G	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm HO 12.5W 830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm HO 12.5W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm UO 16W 840 T8 G	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UO 24W 840 T8 G	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm HO 12.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

# MASTER LEDtube EM/Mains T8

## Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 830 T8 G	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
Master LEDTube 8ft 33W 4000lm 865 T8 BR	25.7 mm	28 mm	2373.1 mm	2380.2 mm	2387.3 mm
Master LEDTube 8ft 33W 4000lm 865 T8	25.7 mm	28 mm	2373.1 mm	2380.2 mm	2387.3 mm



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

## Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929000299902	MASTER LEDtube Starter EMP	50 to 60 Hz	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-	-
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	50 to 60 Hz	220-240 V	25 W	0.5 s
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	50 to 60 Hz	100-240 V	10 W	0.5 s
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	50 to 60 Hz	100-240 V	10 W	0.5 s
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	50 to 60 Hz	100-240 V	10 W	0.5 s
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	50 to 60 Hz	100-240 V	10 W	0.5 s
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	50 to 60 Hz	100-240 V	18 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	50 to 60 Hz	100-240 V	18 W	0.5 s
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	50 to 60 Hz	100-240 V	18 W	0.5 s
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	50 to 60 Hz	100-240 V	18 W	0.5 s
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	50 to 60 Hz	100-240 V	18 W	0.5 s
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	50 to 60 Hz	100-240 V	18 W	0.5 s
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	50 to 60 Hz	220-240 V	10.5 W	0.5 s
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	50 to 60 Hz	220-240 V	10.5 W	0.5 s
929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	50 to 60 Hz	220-240 V	14 W	0.5 s

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	50 to 60 Hz	220-240 V	14 W	0.5 s
929001375602	MAS LEDtube 1050mm 16W 830 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
929001298402	MAS LEDtube 900mm HO 12W 840 T8	50 to 60 Hz	220-240 V	12 W	0.5 s
929001298502	MAS LEDtube 900mm HO 12W 865 T8	50 to 60 Hz	220-240 V	12 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001307002	MAS LEDtube 600mm HO 8W830 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
929001307102	MAS LEDtube 600mm HO 8W840 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
929001307202	MAS LEDtube 600mm HO 8W865 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	50 to 60 Hz	220-240 V	12 W	0.5 s
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	50 to 60 Hz	220-240 V	16 W	0.5 s
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	50 to 60 Hz	220-240 V	16 W	0.5 s
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	50 to 60 Hz	220-240 V	16 W	0.5 s
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	50 to 60 Hz	220-240 V	24 W	0.5 s
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	50 to 60 Hz	220-240 V	24 W	0.5 s
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	50 to 60 Hz	220-240 V	24 W	0.5 s
929001299208	MAS LEDtube 1200mm HO 14W830 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
929001299308	MAS LEDtube 1200mm HO 14W840 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
929001299408	MAS LEDtube 1200mm HO 14W865 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	50 to 60 Hz	100-277 V	33 W	0.5 s
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	50 to 60 Hz	100-277 V	33 W	0.5 s
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	50 to 60 Hz	100-277 V	14 W	0.5 s

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	50 to 60 Hz	220-240 V	8.5 W	0.5 s
929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	50 to 60 Hz	220-240 V	20 W	0.5 s
929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	50 to 60 Hz	220-240 V	16.5 W	0.5 s
929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	50 to 60 Hz	220-240 V	16.5 W	0.5 s
929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	50 to 60 Hz	220-240 V	16 W	0.5 s
929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	50 to 60 Hz	220-240 V	16 W	0.5 s
929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	50 to 60 Hz	220-240 V	16 W	0.5 s
929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	50 to 60 Hz	220-240 V	16 W	0.5 s
929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	50 to 60 Hz	220-240 V	24 W	0.5 s
929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	50 to 60 Hz	220-240 V	24 W	0.5 s
929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	50 to 60 Hz	220-240 V	24 W	0.5 s
929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	50 to 60 Hz	220-240 V	24 W	0.5 s
929001961102	MAS LEDtube 1050mm 16W 840 T8	50 to 60 Hz	220-240 V	16 W	0.5 s

### General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929000299902	MASTER LEDtube Starter EMP	-	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-	-

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	G13	50000 h	50000 h	50000X
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	G13	40000 h	40000 h	50000X



## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	G13	25000 h	25000 h	50000X
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	G13	40000 h	40000 h	50000X
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	G13	25000 h	25000 h	50000X
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	G13	40000 h	40000 h	50000X
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	G13	25000 h	25000 h	50000X
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	G13	50000 h	50000 h	50000X
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	G13	40000 h	40000 h	50000X
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	G13	25000 h	25000 h	50000X
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	G13	50000 h	50000 h	50000X
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	G13	50000 h	50000 h	200000X
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	G13	50000 h	50000 h	200000X
929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	G13	50000 h	50000 h	50000X
929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	G13	50000 h	50000 h	50000X
929001375602	MAS LEDtube 1050mm 16W 830 T8	G13	50000 h	50000 h	200000X
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	G13	50000 h	50000 h	200000X
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	G13	50000 h	50000 h	200000X
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	G13	50000 h	50000 h	200000X
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	G13	50000 h	50000 h	200000X
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	G13	50000 h	50000 h	200000X
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	G13	50000 h	50000 h	200000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	G13	60000 h	60000 h	200000X
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	G13	60000 h	60000 h	200000X
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	G13	60000 h	60000 h	200000X
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	G13	60000 h	60000 h	200000X
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	G13	60000 h	60000 h	200000X
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	G13	60000 h	60000 h	200000X
929001298402	MAS LEDtube 900mm HO 12W 840 T8	G13	50000 h	50000 h	200000X
929001298502	MAS LEDtube 900mm HO 12W 865 T8	G13	50000 h	50000 h	200000X
929001307002	MAS LEDtube 600mm HO 8W830 T8	G13	50000 h	50000 h	200000X
929001307102	MAS LEDtube 600mm HO 8W840 T8	G13	50000 h	50000 h	200000X
929001307202	MAS LEDtube 600mm HO 8W865 T8	G13	50000 h	50000 h	200000X
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	G13	50000 h	50000 h	50000X
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	G13	50000 h	50000 h	200000X
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	G13	50000 h	50000 h	200000X
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	G13	50000 h	50000 h	200000X
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	G13	50000 h	50000 h	200000X
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	G13	50000 h	50000 h	200000X
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	G13	50000 h	50000 h	200000X

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929001299208	MAS LEDtube 1200mm HO 14W830 T8	G13	50000 h	50000 h	200000X
929001299308	MAS LEDtube 1200mm HO 14W840 T8	G13	50000 h	50000 h	200000X
929001299408	MAS LEDtube 1200mm HO 14W865 T8	G13	50000 h	50000 h	200000X
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	G13	30000 h	30000 h	50000X
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	G13	25000 h	25000 h	50000X
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	G13	50000 h	50000 h	200000X
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	G13	70000 h	70000 h	200000X
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	G13	70000 h	70000 h	200000X
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	G13	70000 h	70000 h	200000X
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	G13	70000 h	70000 h	200000X
929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	G13	50000 h	50000 h	50000X
929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	G13	50000 h	50000 h	50000X
929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	G13	50000 h	50000 h	200000X
929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	G13	50000 h	50000 h	200000X
929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	G13	50000 h	50000 h	200000X
929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	G13	50000 h	50000 h	200000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	G13	60000 h	60000 h	200000X
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	G13	60000 h	60000 h	200000X
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	G13	60000 h	60000 h	200000X
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	G13	60000 h	60000 h	200000X
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	G13	60000 h	60000 h	200000X
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	G13	60000 h	60000 h	200000X
929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	G13	50000 h	50000 h	200000X
929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	G13	50000 h	50000 h	200000X
929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	G13	50000 h	50000 h	200000X
929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	G13	50000 h	50000 h	200000X
929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	G13	50000 h	50000 h	200000X
929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	G13	50000 h	50000 h	200000X
929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	G13	50000 h	50000 h	200000X
929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	G13	50000 h	50000 h	200000X
929001961102	MAS LEDtube 1050mm 16W 840 T8	G13	50000 h	50000 h	200000X

### Approval and Application

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929000299902	MASTER LEDtube Starter EMP	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	25 kWh	A++
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	10 kWh	A+
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	10 kWh	A+
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	10 kWh	A+
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	10 kWh	A+
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	18 kWh	A+
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	18 kWh	A+
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	18 kWh	A+
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	18 kWh	A+
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	18 kWh	A+
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	18 kWh	A+
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	11 kWh	A++
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	11 kWh	A++
929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	14 kWh	A++
929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	14 kWh	A++
929001375602	MAS LEDtube 1050mm 16W 830 T8	16 kWh	A++
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	16 kWh	A++
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	16 kWh	A++
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	16 kWh	A++
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	24 kWh	A++
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	24 kWh	A++
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	24 kWh	A++
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	16 kWh	A++
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	16 kWh	A++
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	23 kWh	A++
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	23 kWh	A++
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	23 kWh	A++
929001298402	MAS LEDtube 900mm HO 12W 840 T8	12 kWh	A++
929001298502	MAS LEDtube 900mm HO 12W 865 T8	12 kWh	A++
929001307002	MAS LEDtube 600mm HO 8W830 T8	8 kWh	A++
929001307102	MAS LEDtube 600mm HO 8W840 T8	8 kWh	A++
929001307202	MAS LEDtube 600mm HO 8W865 T8	8 kWh	A++
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	12 kWh	A+
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	16 kWh	A++
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	16 kWh	A++
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	16 kWh	A++
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	24 kWh	A++
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	24 kWh	A++
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	24 kWh	A++
929001299208	MAS LEDtube 1200mm HO 14W830 T8	14 kWh	A++
929001299308	MAS LEDtube 1200mm HO 14W840 T8	14 kWh	A++
929001299408	MAS LEDtube 1200mm HO 14W865 T8	14 kWh	A++
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	-	A+
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	-	A+
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	14 kWh	A++
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	15 kWh	A++
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	15 kWh	A++

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Energy	
		Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	22 kWh	A++
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	22 kWh	A++
929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	9 kWh	A+
929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	20 kWh	A+
929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	17 kWh	A++
929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	17 kWh	A++
929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	24 kWh	A++
929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	24 kWh	A++
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	13 kWh	A++
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	13 kWh	A++
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	13 kWh	A++
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++

Order Code	Full Product Name	Energy	
		Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++
929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	16 kWh	A++
929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	16 kWh	A++
929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	16 kWh	A++
929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	16 kWh	A++
929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	24 kWh	A++
929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	24 kWh	A++
929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	24 kWh	A++
929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	24 kWh	A++
929001961102	MAS LEDtube 1050mm 16W 840 T8	16 kWh	A++

### Controls and Dimming

Order Code	Full Product Name	Dimmable
929000299902	MASTER LEDtube Starter EMP	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	No
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	No
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	No
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	No
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	No
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	No
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	No
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	No
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	No
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	No
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	No
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	No
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	No
929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	No
929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	No
929001375602	MAS LEDtube 1050mm 16W 830 T8	No
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	No
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	No
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	No
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	No

Order Code	Full Product Name	Dimmable
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	No
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	No
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	No
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	No
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	No
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	No
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	No
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	No
929001298402	MAS LEDtube 900mm HO 12W 840 T8	No
929001298502	MAS LEDtube 900mm HO 12W 865 T8	No
929001307002	MAS LEDtube 600mm HO 8W830 T8	No
929001307102	MAS LEDtube 600mm HO 8W840 T8	No
929001307202	MAS LEDtube 600mm HO 8W865 T8	No
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	No
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	No
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	No
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	No
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	No
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	No
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	No
929001299208	MAS LEDtube 1200mm HO 14W830 T8	No
929001299308	MAS LEDtube 1200mm HO 14W840 T8	No

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
929001299408	MAS LEDtube 1200mm HO 14W865 T8	No	929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	No
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	No	929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	No
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	No	929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	No
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	No	929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	No
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	No	929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	No
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	No	929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	No
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	No	929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	No
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	No	929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	No
929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	No	929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	No
929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	No	929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	No
929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	Yes	929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	No
929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	Yes	929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	No
929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	Yes	929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	No
929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	Yes	929001961102	MAS LEDtube 1050mm 16W 840 T8	No
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	No			

### Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color	Llmf At End Of		Luminous Flux (Rated) (Nom)
					Rendering Index (Nom)	Nominal Lifetime (Nom)	Luminous Flux (Nom)	
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-	-	-
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	160 °	840	4000 K	82	70 %	1050 lm	1050 lm
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	160 °	840	4000 K	82	70 %	1050 lm	1050 lm
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	160 °	865	6500 K	82	70 %	1050 lm	1050 lm
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	160 °	865	6500 K	82	70 %	1050 lm	1050 lm
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	840	4000 K	82	70 %	2100 lm	2100 lm
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	840	4000 K	82	70 %	2100 lm	2100 lm
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	840	4000 K	82	70 %	2100 lm	2100 lm
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	865	6500 K	82	70 %	2100 lm	2100 lm
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	865	6500 K	82	70 %	2100 lm	2100 lm
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	865	6500 K	82	70 %	2100 lm	2100 lm
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	-	840	4000 K	83	70 %	1600 lm	1600 lm
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	-	865	6500 K	83	70 %	1600 lm	1600 lm
929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	-	840	4000 K	83	70 %	2100 lm	2100 lm
929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	-	865	6500 K	83	70 %	2100 lm	2100 lm
929001375602	MAS LEDtube 1050mm 16W 830 T8	-	830	3000 K	80	70 %	2300 lm	2300 lm

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color	Llmf At End Of		Luminous Flux (Rated) (Nom)
					Rendering Index (Nom)	Nominal Lifetime (Nom)	Luminous Flux (Nom)	
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	160 °	830	3000 K	83	70 %	2300 lm	2300 lm
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	160 °	830	3000 K	83	70 %	2300 lm	2300 lm
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
929001298402	MAS LEDtube 900mm HO 12W 840 T8	160 °	840	4000 K	83	70 %	1575 lm	1575 lm
929001298502	MAS LEDtube 900mm HO 12W 865 T8	160 °	865	6500 K	83	70 %	1575 lm	1575 lm
929001307002	MAS LEDtube 600mm HO 8W830 T8	160 °	830	3000 K	83	70 %	1000 lm	1000 lm
929001307102	MAS LEDtube 600mm HO 8W840 T8	160 °	840	4000 K	83	70 %	1050 lm	1050 lm
929001307202	MAS LEDtube 600mm HO 8W865 T8	160 °	865	6500 K	83	70 %	1050 lm	1050 lm
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	-	833	3300 K	83	70 %	1000 lm	1000 lm
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	160 °	830	3000 K	83	70 %	2300 lm	2300 lm
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
929001299208	MAS LEDtube 1200mm HO 14W830 T8	-	830	3000 K	83	70 %	2000 lm	2000 lm
929001299308	MAS LEDtube 1200mm HO 14W840 T8	-	840	4000 K	83	70 %	2100 lm	2100 lm
929001299408	MAS LEDtube 1200mm HO 14W865 T8	-	865	6500 K	83	70 %	2100 lm	2100 lm
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	-	865	6500 K	80	70 %	4000 lm	4000 lm
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	-	865	6500 K	80	70 %	4000 lm	4000 lm
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	-	840	4000 K	80	70 %	2100 lm	2100 lm
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	-	833	3300 K	83	70 %	750 lm	750 lm
929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	-	833	3300 K	83	70 %	1680 lm	1680 lm
929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	240 °	840	4000 K	83	70 %	2100 lm	2100 lm

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color	Llmf At End Of		Luminous Flux (Rated) (Nom)
					Rendering Index (Nom)	Nominal Lifetime (Nom)	Luminous Flux (Nom)	
929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	240 °	865	6500 K	83	70 %	2100 lm	2100 lm
929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	240 °	840	4000 K	83	70 %	3100 lm	3100 lm
929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	240 °	865	6500 K	83	70 %	3100 lm	3100 lm
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	160 °	830	3000 K	83	70 %	2000 lm	2000 lm
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	160 °	840	4000 K	83	70 %	2100 lm	2100 lm
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	160 °	865	6500 K	83	70 %	2100 lm	2100 lm
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	160 °	830	3000 K	83	70 %	2900 lm	2900 lm
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	160 °	840	4000 K	83	70 %	3100 lm	3100 lm
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	160 °	865	6500 K	83	70 %	3100 lm	3100 lm
929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	240 °	830	3000 K	83	70 %	2300 lm	2300 lm
929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	240 °	830	3000 K	83	70 %	2300 lm	2300 lm
929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	240 °	840	4000 K	83	70 %	2500 lm	2500 lm
929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	240 °	865	6500 K	83	70 %	2500 lm	2500 lm
929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	240 °	830	3000 K	83	70 %	3400 lm	3400 lm
929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	240 °	830	3000 K	83	70 %	3400 lm	3400 lm
929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	240 °	840	4000 K	83	70 %	3700 lm	3700 lm
929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	240 °	865	6500 K	83	70 %	3700 lm	3700 lm
929001961102	MAS LEDtube 1050mm 16W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm

### Light Technical (2/2)

Order Code	Full Product Name	Rated Beam Angle	Order Code	Full Product Name	Rated Beam Angle
929000299902	MASTER LEDtube Starter EMP	-	929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	-
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	160 °	929001375602	MAS LEDtube 1050mm 16W 830 T8	-
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	160 °	929001297802	MAS LEDtube 1200mm UO 16W 830 T8	160 °
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	160 °	929001297902	MAS LEDtube 1200mm UO 16W 840 T8	160 °
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	160 °	929001298002	MAS LEDtube 1200mm UO 16W 865 T8	160 °
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	160 °	929001298102	MAS LEDtube 1500mm UO 24W 830 T8	160 °
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	929001298202	MAS LEDtube 1500mm UO 24W 840 T8	160 °
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	929001298302	MAS LEDtube 1500mm UO 24W 865 T8	160 °
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	160 °	929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	160 °
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	160 °
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	160 °
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	160 °	929002020802	MAS LEDtube 1500mm UO 23W 830 T8	160 °
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	-	929002020902	MAS LEDtube 1500mm UO 23W 840 T8	160 °
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	-	929002021002	MAS LEDtube 1500mm UO 23W 865 T8	160 °

## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	Rated Beam Angle	Order Code	Full Product Name	Rated Beam Angle
929001298402	MAS LEDtube 900mm HO 12W 840 T8	160 °	929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	-
929001298502	MAS LEDtube 900mm HO 12W 865 T8	160 °	929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	-
929001307002	MAS LEDtube 600mm HO 8W830 T8	160 °	929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	240 °
929001307102	MAS LEDtube 600mm HO 8W840 T8	160 °	929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	240 °
929001307202	MAS LEDtube 600mm HO 8W865 T8	160 °	929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	240 °
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	-	929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	240 °
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	160 °	929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	160 °
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	160 °	929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	160 °
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	160 °	929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	160 °
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	160 °	929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	160 °
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	160 °	929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	160 °
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	160 °	929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	160 °
929001299208	MAS LEDtube 1200mm HO 14W830 T8	-	929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	240 °
929001299308	MAS LEDtube 1200mm HO 14W840 T8	-	929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	240 °
929001299408	MAS LEDtube 1200mm HO 14W865 T8	-	929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	240 °
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	-	929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	240 °
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	-	929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	240 °
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	-	929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	240 °
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	160 °	929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	240 °
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	160 °	929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	240 °
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	160 °	929001961102	MAS LEDtube 1050mm 16W 840 T8	160 °
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	160 °			

### Temperature

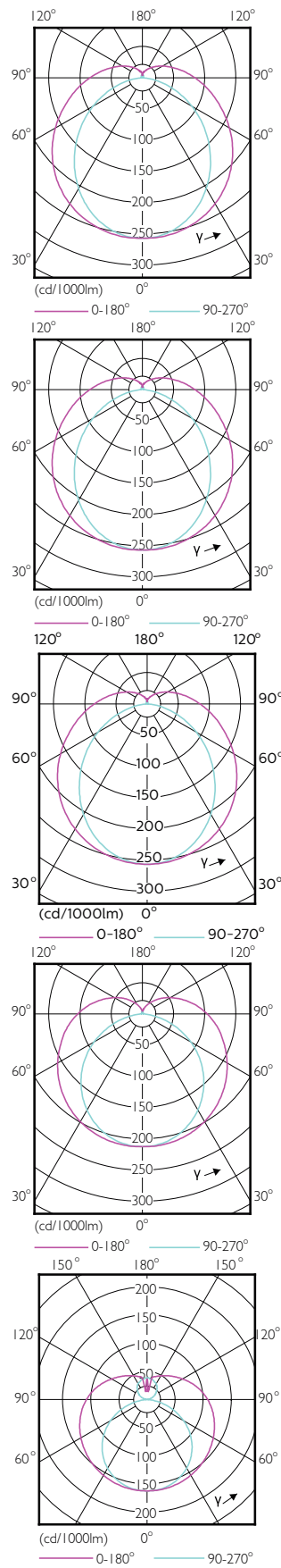
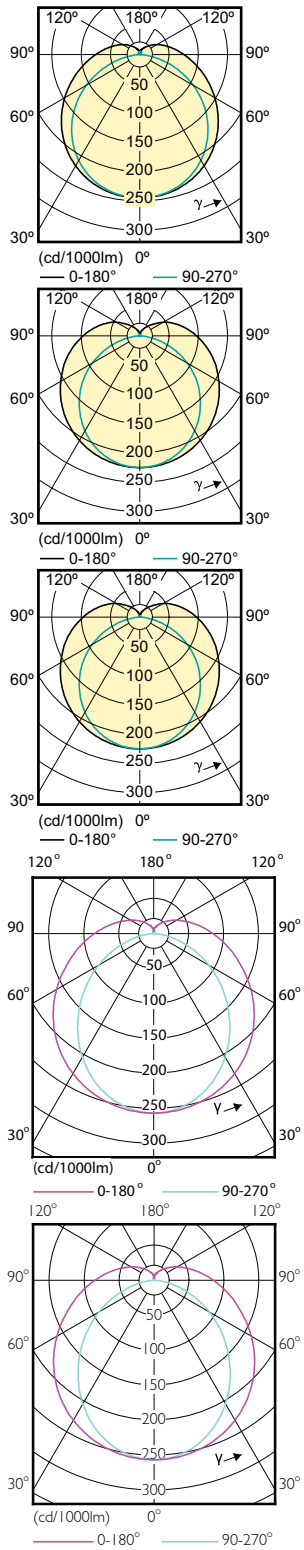
Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)	T-Storage (Max)	T-Storage (Min)
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-
929001161102	MASTER LEDtube 1800mm 25W 840 T8 ROT	30 °C	-5 °C	61 °C	65 °C	-40 °C
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187972	Master LEDTube 600 mm 10W 840 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001188072	Master LEDTube 600 mm 10W 865 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187772	Master LEDTube 1200 mm 18W 840 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187782	Master LEDTube 1200 mm 18W 840 T8 I W	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187872	Master LEDTube 1200 mm 18W 865 T8 I W	45 °C	-20 °C	70 °C	65 °C	-40 °C
929001187882	Master LEDTube 1200 mm 18W 865 T8 I W	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001375208	MAS LEDtube 1200mm 14W 840 T8 THD	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001375308	MAS LEDtube 1200mm 14W 865 T8 THD	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001375602	MAS LEDtube 1050mm 16W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C



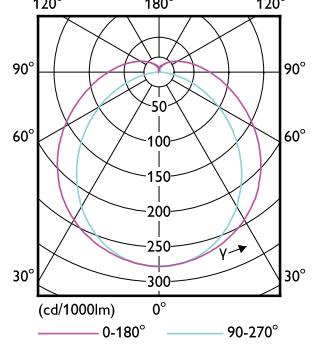
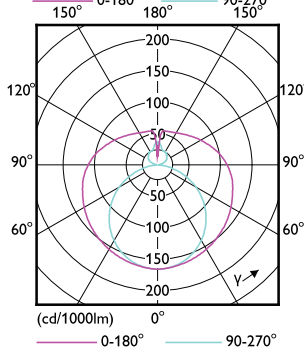
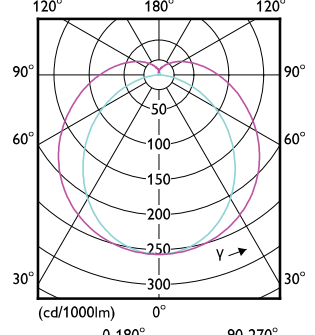
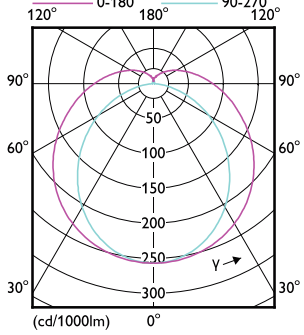
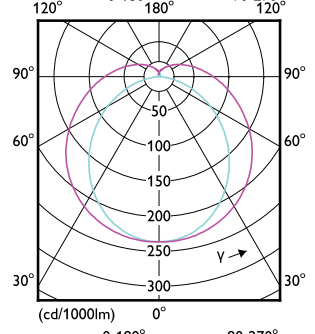
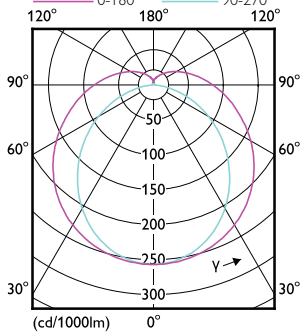
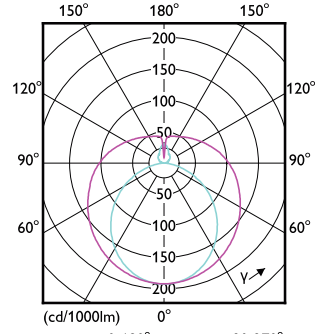
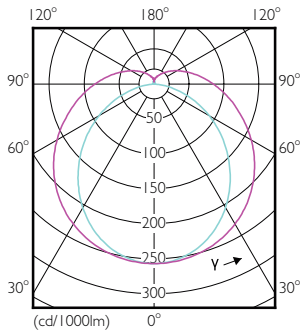
## MASTER LEDtube EM/Mains T8

Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)	T-Storage (Max)	T-Storage (Min)
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001298402	MAS LEDtube 900mm HO 12W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001298502	MAS LEDtube 900mm HO 12W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001307002	MAS LEDtube 600mm HO 8W830 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
929001307102	MAS LEDtube 600mm HO 8W840 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
929001307202	MAS LEDtube 600mm HO 8W865 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
929001812202	MAS LEDtube 1200mm 12W833 T8 FOOD	45 °C	-20 °C	45 °C	65 °C	-40 °C
929001907908	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001908008	MAS LEDtube 1200mm UO 16W 840 T8 FF RCA	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001908108	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001908208	MAS LEDtube 1500mm UO 24W 830 T8 FF RCA	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001908308	MAS LEDtube 1500mm UO 24W 840 T8 FF RCA	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001908408	MAS LEDtube 1500mm UO 24W 865 T8 FF RCA	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001299208	MAS LEDtube 1200mm HO 14W830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299308	MAS LEDtube 1200mm HO 14W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001299408	MAS LEDtube 1200mm HO 14W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001368112	Master LEDTube 8ft 33W 4000lm 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001368172	Master LEDTube 8ft 33W 4000lm 865 T8 BR	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001375412	MAS LEDtube STD 1200mm 14W840 T8 I W	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001376802	MAS LEDtube 1200mm UE 14.5W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001376902	MAS LEDtube 1200mm UE 14.5W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001377002	MAS LEDtube 1500mm UE 21.5W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929001377102	MAS LEDtube 1500mm UE 21.5W 865 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929001812102	MAS LEDtube 900mm 8.5W833 T8 FOOD	45 °C	-20 °C	45 °C	65 °C	-40 °C
929001812302	MAS LEDtube 1500mm 20W833 T8 FOOD	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001878502	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001878602	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001878702	MAS LEDtube Sensor 1500mm HO 24W840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001878802	MAS LEDtube Sensor 1500mm HO 24W865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001922602	MAS LEDtube 1200mm HO 12.5W 830 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001922702	MAS LEDtube 1200mm HO 12.5W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001922802	MAS LEDtube 1200mm HO 12.5W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923402	MAS LEDtube 1200mm UO 16W 830 T8 G	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923432	MAS LEDtube 1200mm UO 16W 830 T8 G I	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923502	MAS LEDtube 1200mm UO 16W 840 T8 G	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923602	MAS LEDtube 1200mm UO 16W 865 T8 G	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923702	MAS LEDtube 1500mm UO 24W 830 T8 G	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001923732	MAS LEDtube 1500mm UO 24W 830 T8 G I	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001923802	MAS LEDtube 1500mm UO 24W 840 T8 G	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001923902	MAS LEDtube 1500mm UO 24W 865 T8 G	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001961102	MAS LEDtube 1050mm 16W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C

# MASTER LEDtube EM/Mains T8



# MASTER LEDtube EM/Mains T8



## MASTER LEDtube EM/Mains T8

