



The new generation of energy saving tube lighting

MASTER LEDtube EM/Mains

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

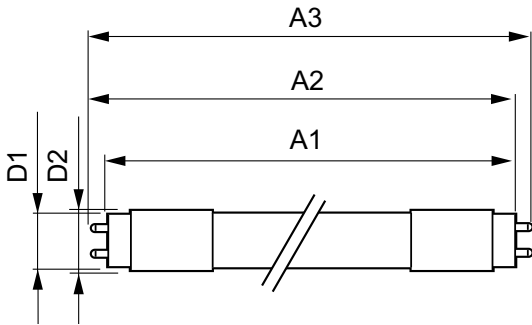
MASTER LEDtube EM/Mains

Versions



MASTER LEDtube EM/Mains

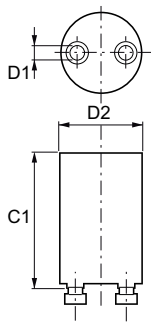
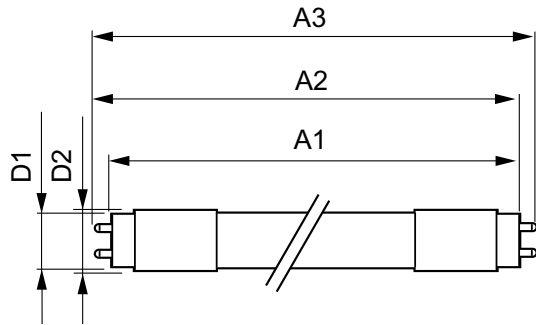
Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 900mm HO 12W 840 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm
MAS LEDtube 1500mm HO 20W865 T8	25.78 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube 1500mm HO 20W840 T8	25.78 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube 1500mm HO 20W830 T8	25.78 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube 1200mm UO 16W 840 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1500mm UO 24W 865 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
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 830 T8	25.78 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm UO 16W 865 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube STD 1200mm 10.5W840 T8 I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube STD 1200mm 10.5W865 T8 I	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 900mm HO 12W 865 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 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 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 865 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1500mm UO 23W 840 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 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 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 1200mm UO 15.5W 830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

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Dimensional drawing



Product	D1	D2	A1	A2	A3
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 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

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

Operating and Electrical

Input Frequency	50 to 60 Hz
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Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929000299902	MASTER LEDtube Starter EMP	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	100-240 V	18 W	0.5 s
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	100-240 V	18 W	0.5 s
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	220-240 V	10.5 W	0.5 s
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	220-240 V	10.5 W	0.5 s
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	100-240 V	10 W	0.5 s
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	100-240 V	10 W	0.5 s
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	220-240 V	16 W	0.5 s

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	220-240 V	16 W	0.5 s
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	220-240 V	16 W	0.5 s
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	220-240 V	24 W	0.5 s
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	220-240 V	24 W	0.5 s
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	220-240 V	24 W	0.5 s
929001298602	MAS LEDtube 1500mm HO 20W830 T8	220-240 V	20 W	0.5 s
929001298702	MAS LEDtube 1500mm HO 20W840 T8	220-240 V	20 W	0.5 s
929001298802	MAS LEDtube 1500mm HO 20W865 T8	220-240 V	20 W	0.5 s

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Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	220-240 V	15.5 W	0.5 s
929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	220-240 V	15.5 W	0.5 s
929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	220-240 V	15.5 W	0.5 s
929002020802	MAS LEDtube 1500mm UO 23W 830 T8	220-240 V	23 W	0.5 s
929002020902	MAS LEDtube 1500mm UO 23W 840 T8	220-240 V	23 W	0.5 s
929002021002	MAS LEDtube 1500mm UO 23W 865 T8	220-240 V	23 W	0.5 s
929001298402	MAS LEDtube 900mm HO 12W 840 T8	220-240 V	12 W	0.5 s

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001298502	MAS LEDtube 900mm HO 12W 865 T8	220-240 V	12 W	0.5 s
929001299208	MAS LEDtube 1200mm HO 14W830 T8	220-240 V	14 W	0.5 s
929001299308	MAS LEDtube 1200mm HO 14W840 T8	220-240 V	14 W	0.5 s
929001299408	MAS LEDtube 1200mm HO 14W865 T8	220-240 V	14 W	0.5 s
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	220-240 V	18.2 W	0.5 s
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	220-240 V	18.2 W	0.5 s
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	220-240 V	18.2 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	-	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	G13	40000 h	40000 h	50000X
929001187812	Master LEDTube 1200 mm 18W 865 T8 I W	G13	40000 h	40000 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
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	G13	40000 h	40000 h	50000X
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	G13	40000 h	40000 h	50000X
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

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
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
929001298602	MAS LEDtube 1500mm HO 20W830 T8	G13	50000 h	50000 h	200000X
929001298702	MAS LEDtube 1500mm HO 20W840 T8	G13	50000 h	50000 h	200000X
929001298802	MAS LEDtube 1500mm HO 20W865 T8	G13	50000 h	50000 h	200000X
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

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Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
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
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

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
929001299408	MAS LEDtube 1200mm HO 14W865 T8	G13	50000 h	50000 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

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929000299902	MASTER LEDtube Starter EMP	-	-
929001187712	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+
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8 I	11 kWh	A++
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8 I	11 kWh	A++
929001187912	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+
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++
929001298602	MAS LEDtube 1500mm HO 20W830 T8	20 kWh	A++
929001298702	MAS LEDtube 1500mm HO 20W840 T8	20 kWh	A++

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001298802	MAS LEDtube 1500mm HO 20W865 T8	20 kWh	A++
929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++
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++
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++
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Energy	
		Consumption kWh/1000 h	Energy Efficiency Label (EEL)
929001923102	MAS LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++

Controls and Dimming

Order Code	Full Product Name	Dimmable
929000299902	MASTER LEDtube Starter EMP	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	no
929001187812	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
929001187912	Master LEDTube 600 mm 10W 840 T8 I W	no
929001188012	Master LEDTube 600 mm 10W 865 T8 I W	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
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	No
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	No
929001298602	MAS LEDtube 1500mm HO 20W830 T8	no
929001298702	MAS LEDtube 1500mm HO 20W840 T8	No

Order Code	Full Product Name	Dimmable
929001298802	MAS LEDtube 1500mm HO 20W865 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
929001299208	MAS LEDtube 1200mm HO 14W830 T8	No
929001299308	MAS LEDtube 1200mm HO 14W840 T8	No
929001299408	MAS LEDtube 1200mm HO 14W865 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

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour		Llmf At End Of		
					Rendering Index (Nom)	Nominal Lifetime (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-	-	-	-
929001187712	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	
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	
929001187912	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	
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	

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour		Llmf At End Of		
					Rendering Index (Nom)	Nominal Lifetime (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)	
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	
929001298602	MAS LEDtube 1500mm HO 20W830 T8	-	830	3000 K	83	70 %	2900 lm	2900 lm	
929001298702	MAS LEDtube 1500mm HO 20W840 T8	-	840	4000 K	83	70 %	3100 lm	3100 lm	
929001298802	MAS LEDtube 1500mm HO 20W865 T8	-	865	6500 K	83	70 %	3100 lm	3100 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	
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	
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	

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	-	929001298602	MAS LEDtube 1500mm HO 20W830 T8	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 W	160 °	929001298702	MAS LEDtube 1500mm HO 20W840 T8	-
929001187812	Master LEDTube 1200 mm 18W 865 T8 W	160 °	929001298802	MAS LEDtube 1500mm HO 20W865 T8	-
929001297608	MAS LEDtube STD 1200mm 10.5W840 T8	-	929002020502	MAS LEDtube 1200mm UO 15.5W 830 T8	160 °
929001297708	MAS LEDtube STD 1200mm 10.5W865 T8	-	929002020602	MAS LEDtube 1200mm UO 15.5W 840 T8	160 °
929001187912	Master LEDTube 600 mm 10W 840 T8 W	160 °	929002020702	MAS LEDtube 1200mm UO 15.5W 865 T8	160 °
929001188012	Master LEDTube 600 mm 10W 865 T8 W	160 °	929002020802	MAS LEDtube 1500mm UO 23W 830 T8	160 °
929001297802	MAS LEDtube 1200mm UO 16W 830 T8	160 °	929002020902	MAS LEDtube 1500mm UO 23W 840 T8	160 °
929001297902	MAS LEDtube 1200mm UO 16W 840 T8	160 °	929002021002	MAS LEDtube 1500mm UO 23W 865 T8	160 °
929001298002	MAS LEDtube 1200mm UO 16W 865 T8	160 °	929001298402	MAS LEDtube 900mm HO 12W 840 T8	160 °
929001298102	MAS LEDtube 1500mm UO 24W 830 T8	160 °	929001298502	MAS LEDtube 900mm HO 12W 865 T8	160 °
929001298202	MAS LEDtube 1500mm UO 24W 840 T8	160 °	929001299208	MAS LEDtube 1200mm HO 14W830 T8	-
929001298302	MAS LEDtube 1500mm UO 24W 865 T8	160 °	929001299308	MAS LEDtube 1200mm HO 14W840 T8	-

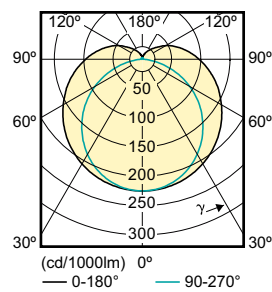
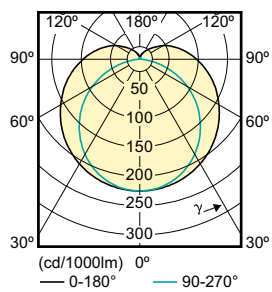
MASTER LEDtube EM/Mains

Order Code	Full Product Name	Rated Beam Angle
929001299408	MAS LEDtube 1200mm HO 14W865 T8	-
929001922902	MAS LEDtube 1500mm HO 18.2W 830 T8	160 °

Order Code	Full Product Name	Rated Beam Angle
929001923002	MAS LEDtube 1500mm HO 18.2W 840 T8	160 °
929001923102	MAS LEDtube 1500mm HO 18.2W 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	-	-	-	-	-
929001187712	Master LEDTube 1200 mm 18W 840 T8 I W	45 °C	-20 °C	70 °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
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
929001187912	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
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
929001298602	MAS LEDtube 1500mm HO 20W830 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001298702	MAS LEDtube 1500mm HO 20W840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
929001298802	MAS LEDtube 1500mm HO 20W865 T8	45 °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
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
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
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



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