



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

Warnings and Safety

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MASTER LEDtube EM/Mains

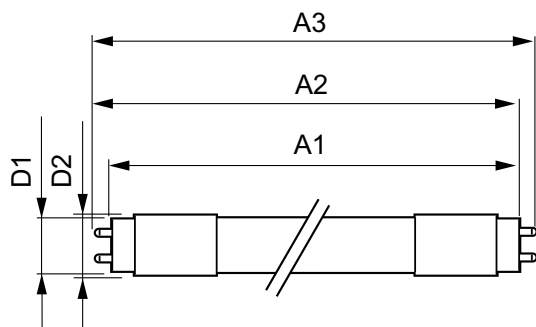
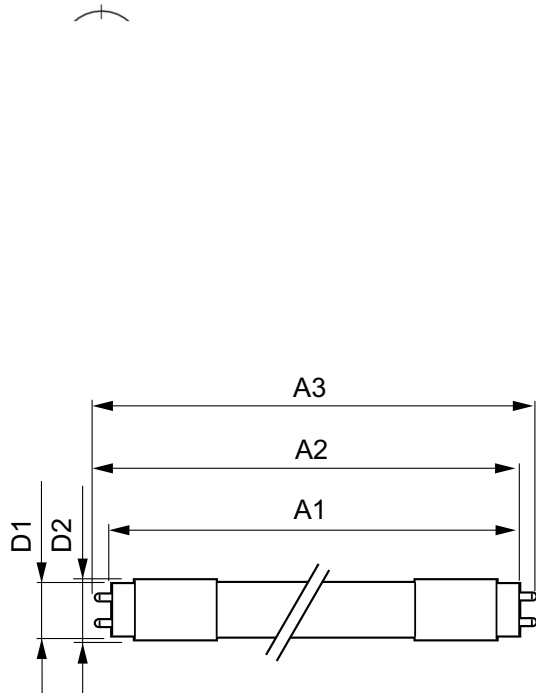
Versions



Střední dvoukolíková zářivková

MASTER LEDtube EM/Mains

Dimensional drawing



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

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm UO 16W 830 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1500mm UO 24W 840 T8	25.78 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MASTER LEDtube 1200mm UO 16W 865 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
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 15.5W 830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1200mm UO 15.5W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1200mm UO 15.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm UE 14.5W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1500mm UE 21.5W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MASTER LEDtube 1200mm UE 14.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1500mm UE 21.5W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
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
MASTER 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

Dimensional drawing

Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm HO 12.5W 840 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1200mm HO 12.5W 830 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MASTER LEDtube 1500mm HO 18.2W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MASTER LEDtube 1500mm HO 18.2W 840 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
MASTER LEDtube 1500mm HO 18.2W 830 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 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	-	-	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	50 to 60 Hz	220-240 V	10.5 W	0.5 s
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	50 to 60 Hz	220-240 V	10.5 W	0.5 s
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s
929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s
929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
929000299902	MASTER LEDtube Starter EMP	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-
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
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	G13	50000 h	200,000X
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	G13	50000 h	200,000X
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	G13	50000 h	200,000X
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	G13 ROT (Rotating)	60000 h	200,000X
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	G13 ROT (Rotating)	60000 h	200,000X
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	G13 ROT (Rotating)	60000 h	200,000X
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	G13	50000 h	200,000X
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	G13	50000 h	200,000X
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	G13	50000 h	200,000X
929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	G13 ROT (Rotating)	70000 h	200,000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Switching Cycle
929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	G13 ROT (Rotating)	70000 h	200,000X
929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	G13 ROT (Rotating)	70000 h	200,000X
929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	G13 ROT (Rotating)	70000 h	200,000X
929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	G13 ROT (Rotating)	60000 h	200,000X
929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	G13 ROT (Rotating)	60000 h	200,000X
929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	G13 ROT (Rotating)	60000 h	200,000X
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	G13 ROT (Rotating)	60000 h	200,000X
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	G13 ROT (Rotating)	60000 h	200,000X
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	G13 ROT (Rotating)	60000 h	200,000X

Approval and Application

MASTER LEDtube EM/Mains

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	-	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	11 kWh	A++
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	11 kWh	A++
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	16 kWh	A++
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	16 kWh	A++
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	24 kWh	A++
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	16 kWh	A++
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	16 kWh	A++
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	14 kWh	A++
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	14 kWh	A++

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	14 kWh	A++
929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	15 kWh	A++
929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	15 kWh	A++
929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	22 kWh	A++
929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	22 kWh	A++
929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	13 kWh	A++
929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	13 kWh	A++
929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	13 kWh	A++
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++

Controls and Dimming

Order Code	Full Product Name	Dimmable
929000299902	MASTER LEDtube Starter EMP	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	No
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	No
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	No
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	No
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	No
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	No
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	No
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	No
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	No
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	No

Order Code	Full Product Name	Dimmable
929001299408	MASTER LEDtube 1200mm HO 14W865 T8	No
929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	No
929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	No
929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	No
929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	No
929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	No
929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	No
929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	No
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	No
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	No
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	No

Light Technical

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)
929000299902	MASTER LEDtube Starter EMP	-	-	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-

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Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour	Llmf At End Of	Luminous Flux (Nom)
					Rendering Index (Nom)	Nominal Lifetime (Nom)	
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
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	160 °	830	3000 K	83	70 %	2300 lm
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	160 °	865	6500 K	83	70 %	2500 lm
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	160 °	840	4000 K	83	70 %	3700 lm
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	160 °	830	3000 K	83	70 %	2300 lm
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	160 °	865	6500 K	83	70 %	2500 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
929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm
929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm
929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	160 °	840	4000 K	83	70 %	3700 lm
929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	160 °	865	6500 K	83	70 %	3700 lm
929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	160 °	830	3000 K	83	70 %	2000 lm
929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	160 °	840	4000 K	83	70 %	2100 lm
929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	160 °	865	6500 K	83	70 %	2100 lm
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	160 °	830	3000 K	83	70 %	2900 lm
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	160 °	840	4000 K	83	70 %	3100 lm
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	160 °	865	6500 K	83	70 %	3100 lm

Mechanical and Housing

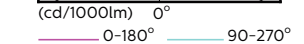
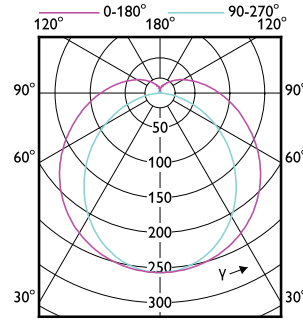
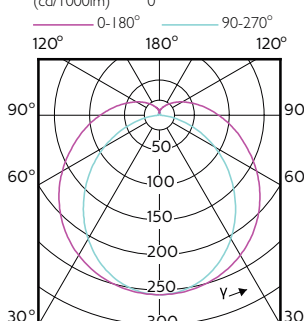
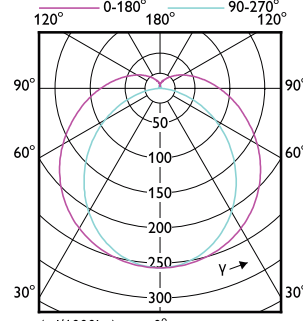
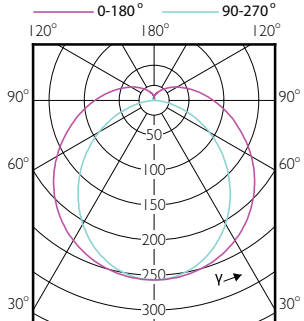
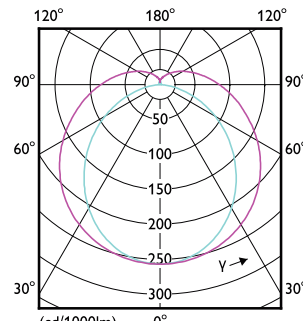
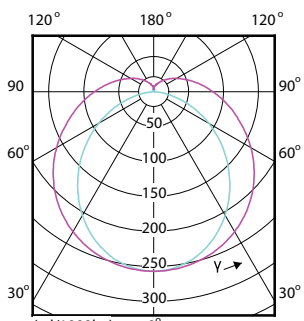
Order Code	Full Product Name	Bulb Shape	Order Code	Full Product Name	Bulb Shape
929000299902	MASTER LEDtube Starter EMP	-	929001299408	MASTER LEDtube 1200mm HO 14W865 T8	Tube, double-ended
929001801432	MASTER LEDtube Starter EMP GenII OP	-	929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	Tube, double-ended
929001297608	MASTER LEDtube STD 1200mm 10.5W840 T8 I	Tube, double-ended	929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	Tube, double-ended
929001297708	MASTER LEDtube STD 1200mm 10.5W865 T8 I	Tube, double-ended	929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	Tube, double-ended
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	Tube, double-ended	929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	Tube, double-ended
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	Tube, double-ended	929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	Tube, double-ended
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	Tube, double-ended	929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	Tube, double-ended
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	Tube, double-ended	929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	Tube, double-ended
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	Tube, double-ended	929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	Tube, double-ended
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	Tube, double-ended	929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	Tube, double-ended
929001299208	MASTER LEDtube 1200mm HO 14W830 T8	Tube, double-ended	929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	Tube, double-ended
929001299308	MASTER LEDtube 1200mm HO 14W840 T8	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	-	-	-	-	-
929001801432	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-
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
929001297802	MASTER LEDtube 1200mm UO 16W 830 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001298002	MASTER LEDtube 1200mm UO 16W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C

MASTER LEDtube EM/Mains

Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)	T-Storage (Max)	T-Storage (Min)
929001298202	MASTER LEDtube 1500mm UO 24W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929002020502	MASTER LEDtube 1200mm UO 15.5W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002020602	MASTER LEDtube 1200mm UO 15.5W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929002020702	MASTER LEDtube 1200mm UO 15.5W 865 T8	45 °C	-20 °C	55 °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
929001376802	MASTER LEDtube 1200mm UE 14.5W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001376902	MASTER LEDtube 1200mm UE 14.5W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
929001377002	MASTER LEDtube 1500mm UE 21.5W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929001377102	MASTER LEDtube 1500mm UE 21.5W 865 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
929001922602	MASTER LEDtube 1200mm HO 12.5W 830 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001922702	MASTER LEDtube 1200mm HO 12.5W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001922802	MASTER LEDtube 1200mm HO 12.5W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
929001922902	MASTER LEDtube 1500mm HO 18.2W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923002	MASTER LEDtube 1500mm HO 18.2W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
929001923102	MASTER LEDtube 1500mm HO 18.2W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C



MASTER LEDtube EM/Mains

