



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. 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 40,000 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

Versions



G13



G13



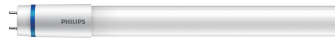
G13



G13



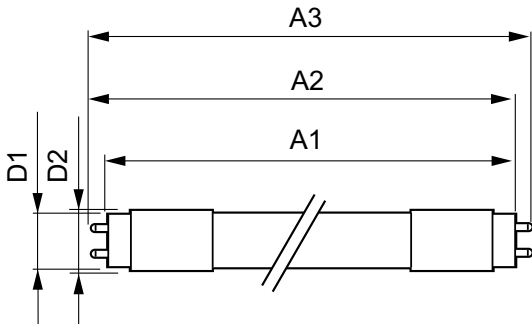
LEDtube G13



G13

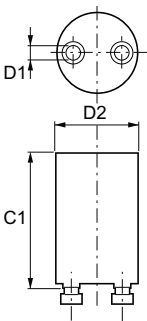
MASTER LEDtube EM/Mains

Dimensional drawing



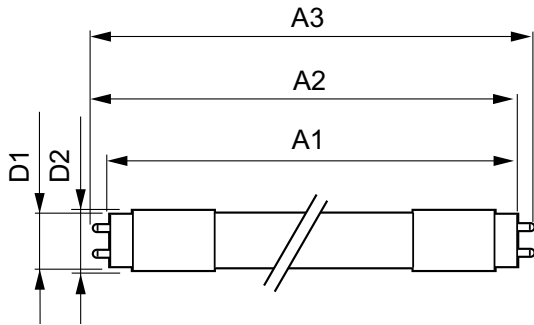
Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm 20W833 T8 FOOD	25.7 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MAS LEDtube 1500mm UO 24W 865 T8 G	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1500mm UO 24W 830 T8 G	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MAS LEDtube 1200mm UO 16W 865 T8 G	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MAS LEDtube 1200mm 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 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 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 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 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 HO 12.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

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



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 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
MAS LEDtube 600mm HO 8W865 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MAS LEDtube 600mm HO 8W840 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 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
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 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 1200mm HO 14W830 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
68708600	MAS LEDtube 900mm HO 12W 840 T8	12 kWh	A++
68710900	MAS LEDtube 900mm HO 12W 865 T8	12 kWh	A++
69747400	MAS LEDtube 600mm HO 8W830 T8	8 kWh	A++

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
69749800	MAS LEDtube 600mm HO 8W840 T8	8 kWh	A++
69751100	MAS LEDtube 600mm HO 8W865 T8	8 kWh	A++
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	12 kWh	A+

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
68718500	MAS LEDtube 1200mm HO 14W830 T8	14 kWh	A++
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	16 kWh	A++
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	16 kWh	A++
64727800	MAS LEDtube 1500mm UO 23W 830 T8	23 kWh	A++
64729200	MAS LEDtube 1500mm UO 23W 840 T8	23 kWh	A++
64731500	MAS LEDtube 1500mm UO 23W 865 T8	23 kWh	A++
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	15 kWh	A++
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	15 kWh	A++
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	22 kWh	A++
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	22 kWh	A++
81965400	MASTER LEDtube Starter EMP GenII OP	-	-
76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	9 kWh	A+
76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	20 kWh	A+
80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	17 kWh	A++

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	17 kWh	A++
80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	24 kWh	A++
80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	24 kWh	A++
59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	13 kWh	A++
59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	13 kWh	A++
59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	13 kWh	A++
59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++
59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++
59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++
59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	16 kWh	A++
59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	16 kWh	A++
59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	24 kWh	A++
59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	24 kWh	A++
59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	24 kWh	A++

Controls and Dimming

Order Code	Full Product Name	Dimmable
68708600	MAS LEDtube 900mm HO 12W 840 T8	No
68710900	MAS LEDtube 900mm HO 12W 865 T8	No
69747400	MAS LEDtube 600mm HO 8W830 T8	No
69749800	MAS LEDtube 600mm HO 8W840 T8	No
69751100	MAS LEDtube 600mm HO 8W865 T8	No
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	No
68718500	MAS LEDtube 1200mm HO 14W830 T8	No
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	No
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	No
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	No
64727800	MAS LEDtube 1500mm UO 23W 830 T8	No
64729200	MAS LEDtube 1500mm UO 23W 840 T8	No
64731500	MAS LEDtube 1500mm UO 23W 865 T8	No
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	No
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	No
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	No

Order Code	Full Product Name	Dimmable
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	No
81965400	MASTER LEDtube Starter EMP GenII OP	-
76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	No
76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	No
80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	Yes
80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	Yes
80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	Yes
80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	Yes
59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	No
59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	No
59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	No
59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	No
59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	No
59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	No
59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	No
59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	No

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Dimmable
59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	No
59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	No

Order Code	Full Product Name	Dimmable
59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	No

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
68708600	MAS LEDtube 900mm HO 12W 840 T8	50 to 60 Hz	220-240 V	12 W	0.5 s
68710900	MAS LEDtube 900mm HO 12W 865 T8	50 to 60 Hz	220-240 V	12 W	0.5 s
69747400	MAS LEDtube 600mm HO 8W830 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
69749800	MAS LEDtube 600mm HO 8W840 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
69751100	MAS LEDtube 600mm HO 8W865 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	50 to 60 Hz	220-240 V	12 W	0.5 s
68718500	MAS LEDtube 1200mm HO 14W830 T8	50 to 60 Hz	220-240 V	14 W	0.5 s
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
64727800	MAS LEDtube 1500mm UO 23W 830 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
64729200	MAS LEDtube 1500mm UO 23W 840 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
64731500	MAS LEDtube 1500mm UO 23W 865 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-
76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	50 to 60 Hz	220-240 V	8.5 W	0.5 s
76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	50 to 60 Hz	220-240 V	20 W	0.5 s
80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	50 to 60 Hz	220-240 V	16.5 W	0.5 s
80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	50 to 60 Hz	220-240 V	16.5 W	0.5 s
80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	50 to 60 Hz	220-240 V	16 W	0.5 s
59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	50 to 60 Hz	220-240 V	16 W	0.5 s

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	50 to 60 Hz	220-240 V	24 W	0.5 s
59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	50 to 60 Hz	220-240 V	24 W	0.5 s
59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	50 to 60 Hz	220-240 V	24 W	0.5 s

General Information

Order Code	Full Product Name	Cap- Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
68708600	MAS LEDtube 900mm HO 12W 840 T8	G13	50000 h	50000 h	200000X
68710900	MAS LEDtube 900mm HO 12W 865 T8	G13	50000 h	50000 h	200000X
69747400	MAS LEDtube 600mm HO 8W830 T8	G13	50000 h	50000 h	200000X
69749800	MAS LEDtube 600mm HO 8W840 T8	G13	50000 h	50000 h	200000X
69751100	MAS LEDtube 600mm HO 8W865 T8	G13	50000 h	50000 h	200000X
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	G13	50000 h	50000 h	50000X
68718500	MAS LEDtube 1200mm HO 14W830 T8	G13	50000 h	50000 h	200000X
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	G13	60000 h	60000 h	200000X
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	G13	60000 h	60000 h	200000X
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	G13	60000 h	60000 h	200000X
64727800	MAS LEDtube 1500mm UO 23W 830 T8	G13	60000 h	60000 h	200000X
64729200	MAS LEDtube 1500mm UO 23W 840 T8	G13	60000 h	60000 h	200000X
64731500	MAS LEDtube 1500mm UO 23W 865 T8	G13	60000 h	60000 h	200000X
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	G13	70000 h	70000 h	200000X
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	G13	70000 h	70000 h	200000X
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	G13	70000 h	70000 h	200000X

Order Code	Full Product Name	Cap- Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	G13	70000 h	70000 h	200000X
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-
76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	G13	50000 h	50000 h	50000X
76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	G13	50000 h	50000 h	50000X
80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	G13	50000 h	50000 h	200000X
80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	G13	50000 h	50000 h	200000X
80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	G13	50000 h	50000 h	200000X
80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	G13	50000 h	50000 h	200000X
59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	G13	60000 h	60000 h	200000X
59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	G13	60000 h	60000 h	200000X
59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	G13	60000 h	60000 h	200000X
59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	G13	60000 h	60000 h	200000X
59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	G13	60000 h	60000 h	200000X
59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	G13	60000 h	60000 h	200000X

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	G13	50000 h	50000 h	200000X
59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	G13	50000 h	50000 h	200000X
59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	G13	50000 h	50000 h	200000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	G13	50000 h	50000 h	200000X
59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	G13	50000 h	50000 h	200000X

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)	
68708600	MAS LEDtube 900mm HO 12W 840 T8	160 °	840	4000 K	83	70 %	1575 lm	1575 lm
68710900	MAS LEDtube 900mm HO 12W 865 T8	160 °	865	6500 K	83	70 %	1575 lm	1575 lm
69747400	MAS LEDtube 600mm HO 8W830 T8	160 °	830	3000 K	83	70 %	1000 lm	1000 lm
69749800	MAS LEDtube 600mm HO 8W840 T8	160 °	840	4000 K	83	70 %	1050 lm	1050 lm
69751100	MAS LEDtube 600mm HO 8W865 T8	160 °	865	6500 K	83	70 %	1050 lm	1050 lm
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	-	833	3300 K	83	70 %	1000 lm	1000 lm
68718500	MAS LEDtube 1200mm HO 14W830 T8	-	830	3000 K	83	70 %	2000 lm	2000 lm
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	160 °	830	3000 K	83	70 %	2300 lm	2300 lm
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
64727800	MAS LEDtube 1500mm UO 23W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
64729200	MAS LEDtube 1500mm UO 23W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
64731500	MAS LEDtube 1500mm UO 23W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-	-	-
76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	-	833	3300 K	83	70 %	750 lm	750 lm
76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	-	833	3300 K	83	70 %	1680 lm	1680 lm
80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	240 °	840	4000 K	83	70 %	2100 lm	2100 lm
80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	240 °	865	6500 K	83	70 %	2100 lm	2100 lm
80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	240 °	840	4000 K	83	70 %	3100 lm	3100 lm
80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	240 °	865	6500 K	83	70 %	3100 lm	3100 lm
59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	160 °	830	3000 K	83	70 %	2000 lm	2000 lm
59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	160 °	840	4000 K	83	70 %	2100 lm	2100 lm

MASTER LEDtube EM/Mains

Order Code	Full Product Name	Beam Angle (Nom)	Color Code	Correlated Color Temperature (Nom)	Color	Llmf At End Of		
					Rendering Index (Nom)	Nominal Lifetime (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	160 °	865	6500 K	83	70 %	2100 lm	2100 lm
59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	160 °	830	3000 K	83	70 %	2900 lm	2900 lm
59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	160 °	840	4000 K	83	70 %	3100 lm	3100 lm
59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	160 °	865	6500 K	83	70 %	3100 lm	3100 lm
59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	240 °	840	4000 K	83	70 %	2500 lm	2500 lm
59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	240 °	865	6500 K	83	70 %	2500 lm	2500 lm
59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	240 °	830	3000 K	83	70 %	3400 lm	3400 lm
59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	240 °	840	4000 K	83	70 %	3700 lm	3700 lm
59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	240 °	865	6500 K	83	70 %	3700 lm	3700 lm

Light Technical (2/2)

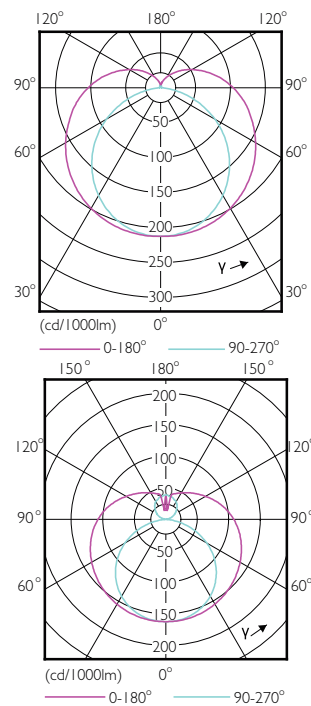
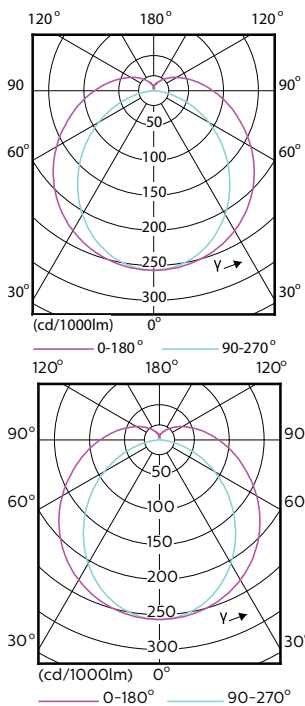
Order Code	Full Product Name	Rated Beam Angle	Order Code	Full Product Name	Rated Beam Angle
68708600	MAS LEDtube 900mm HO 12W 840 T8	160 °	76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	-
68710900	MAS LEDtube 900mm HO 12W 865 T8	160 °	76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	-
69747400	MAS LEDtube 600mm HO 8W830 T8	160 °	80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	240 °
69749800	MAS LEDtube 600mm HO 8W840 T8	160 °	80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	240 °
69751100	MAS LEDtube 600mm HO 8W865 T8	160 °	80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	240 °
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	-	80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	240 °
68718500	MAS LEDtube 1200mm HO 14W830 T8	-	59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	160 °
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	160 °	59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	160 °
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	160 °	59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	160 °
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	160 °	59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	160 °
64727800	MAS LEDtube 1500mm UO 23W 830 T8	160 °	59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	160 °
64729200	MAS LEDtube 1500mm UO 23W 840 T8	160 °	59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	160 °
64731500	MAS LEDtube 1500mm UO 23W 865 T8	160 °	59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	240 °
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	160 °	59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	240 °
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	160 °	59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	240 °
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	160 °	59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	240 °
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	160 °	59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	240 °
81965400	MASTER LEDtube Starter EMP GenII OP	-			

Temperature

Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)	T-Storage (Max)	T-Storage (Min)
68708600	MAS LEDtube 900mm HO 12W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
68710900	MAS LEDtube 900mm HO 12W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
69747400	MAS LEDtube 600mm HO 8W830 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
69749800	MAS LEDtube 600mm HO 8W840 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
69751100	MAS LEDtube 600mm HO 8W865 T8	35 °C	-20 °C	50 °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)
76393300	MAS LEDtube 1200mm 12W833 T8 FOOD	45 °C	-20 °C	45 °C	65 °C	-40 °C
68718500	MAS LEDtube 1200mm HO 14W830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64721600	MAS LEDtube 1200mm UO 15.5W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64723000	MAS LEDtube 1200mm UO 15.5W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64725400	MAS LEDtube 1200mm UO 15.5W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64727800	MAS LEDtube 1500mm UO 23W 830 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
64729200	MAS LEDtube 1500mm UO 23W 840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
64731500	MAS LEDtube 1500mm UO 23W 865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
73150500	MAS LEDtube 1200mm UE 14.5W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
73152900	MAS LEDtube 1200mm UE 14.5W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
73154300	MAS LEDtube 1500mm UE 21.5W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
73156700	MAS LEDtube 1500mm UE 21.5W 865 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-
76391900	MAS LEDtube 900mm 8.5W833 T8 FOOD	45 °C	-20 °C	45 °C	65 °C	-40 °C
76395700	MAS LEDtube 1500mm 20W833 T8 FOOD	45 °C	-20 °C	50 °C	65 °C	-40 °C
80602900	MAS LEDtube Sensor 1200mm HO 16.5W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
80604300	MAS LEDtube Sensor 1200mm HO 16.5W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
80606700	MAS LEDtube Sensor 1500mm HO 24W840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
80608100	MAS LEDtube Sensor 1500mm HO 24W865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
59235600	MAS LEDtube 1200mm HO 12.5W 830 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59237000	MAS LEDtube 1200mm HO 12.5W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59239400	MAS LEDtube 1200mm HO 12.5W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59241700	MAS LEDtube 1500mm HO 18.2W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59243100	MAS LEDtube 1500mm HO 18.2W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59245500	MAS LEDtube 1500mm HO 18.2W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59506700	MAS LEDtube 1200mm UO 16W 840 T8 G	45 °C	-20 °C	55 °C	65 °C	-40 °C
59508100	MAS LEDtube 1200mm UO 16W 865 T8 G	45 °C	-20 °C	55 °C	65 °C	-40 °C
59510400	MAS LEDtube 1500mm UO 24W 830 T8 G	45 °C	-20 °C	60 °C	65 °C	-40 °C
59512800	MAS LEDtube 1500mm UO 24W 840 T8 G	45 °C	-20 °C	60 °C	65 °C	-40 °C
59514200	MAS LEDtube 1500mm UO 24W 865 T8 G	45 °C	-20 °C	60 °C	65 °C	-40 °C



MASTER LEDtube EM/Mains

