



# 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

- -

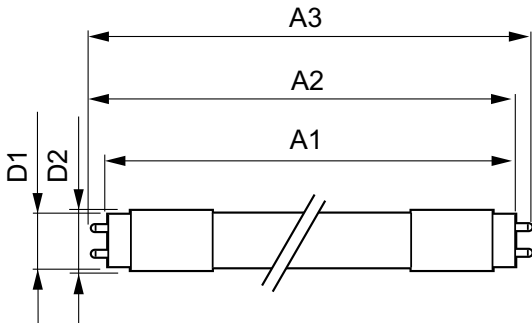
# MASTER LEDtube EM/Mains

## Versions



# MASTER LEDtube EM/Mains

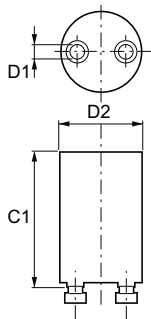
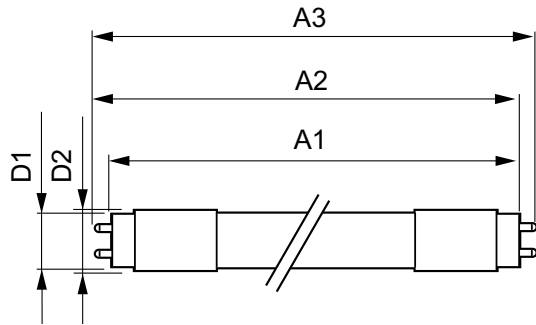
## Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube 1800mm 25W 840 T8	25.68 mm	28 mm	1762.5 mm	1770 mm	1776.7 mm
ROT					
MASTER LEDtube 1500mm UO 24W 830 T8	25.78 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm
MASTER LEDtube 600mm HO 8W865 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MASTER LEDtube 600mm HO 8W830 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MASTER LEDtube 900mm HO 12W 865 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm
MASTER LEDtube 900mm HO 12W 840 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm
MASTER LEDtube 600mm HO 8W840 T8	25.78 mm	28 mm	588.5 mm	595.5 mm	602.5 mm
MASTER LEDtube 1050mm 16W 830 T8	25.8 mm	28 mm	1045.8 mm	1052.9 mm	1060 mm
MASTER LEDtube Sensor 1500mm HO 24W840 T8	25.8 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	25.8 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm
MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	25.8 mm	28 mm	1199.4 mm	1206.5 mm	1213.6 mm
MASTER LEDtube Sensor 1500mm HO 24W865 T8	25.8 mm	28 mm	1500 mm	1507.1 mm	1514.2 mm
MASTER LEDtube 1500mm UO 23W 865 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 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 1500mm UO 23W 830 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 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
MASTER LEDtube 1500mm UO 23W 840 T8	25.8 mm	28 mm	1498.7 mm	1505.8 mm	1512.9 mm

# MASTER LEDtube EM/Mains

## Dimensional drawing



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 12.5W 865 T8	25.8 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
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
MASTER LEDtube 1050mm 16W 840 T8	25.8 mm	28 mm	1045.8 mm	1052.9 mm	1060 mm

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

## Approval and Application

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	25 kWh	A++
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	24 kWh	A++
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	16 kWh	A++
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	16 kWh	A++

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	16 kWh	A++
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	23 kWh	A++
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	23 kWh	A++
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	23 kWh	A++

## MASTER LEDtube EM/Mains

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
68708600	MASTER LEDtube 900mm HO 12W 840 T8	12 kWh	A++
68710900	MASTER LEDtube 900mm HO 12W 865 T8	12 kWh	A++
69747400	MASTER LEDtube 600mm HO 8W830 T8	8 kWh	A++
69749800	MASTER LEDtube 600mm HO 8W840 T8	8 kWh	A++
69751100	MASTER LEDtube 600mm HO 8W865 T8	8 kWh	A++
72855000	MASTER LEDtube 1050mm 16W 830 T8	16 kWh	A++
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	15 kWh	A++
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	15 kWh	A++
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	22 kWh	A++
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	22 kWh	A++
81965400	MASTER LEDtube Starter EMP GenII OP	-	-

Order Code	Full Product Name	Energy	
		Consumption kWh/ 1000 h	Energy Efficiency Label (EEL)
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	17 kWh	A++
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	17 kWh	A++
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	24 kWh	A++
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	24 kWh	A++
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	13 kWh	A++
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	13 kWh	A++
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	13 kWh	A++
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	19 kWh	A++
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	19 kWh	A++
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	19 kWh	A++
61602100	MASTER LEDtube 1050mm 16W 840 T8	16 kWh	A++

### Controls and Dimming

Order Code	Full Product Name	Dimmable
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	no
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	No
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	No
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	No
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	No
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	No
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	No
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	No
68708600	MASTER LEDtube 900mm HO 12W 840 T8	No
68710900	MASTER LEDtube 900mm HO 12W 865 T8	No
69747400	MASTER LEDtube 600mm HO 8W830 T8	No
69749800	MASTER LEDtube 600mm HO 8W840 T8	No
69751100	MASTER LEDtube 600mm HO 8W865 T8	No
72855000	MASTER LEDtube 1050mm 16W 830 T8	No
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	No

Order Code	Full Product Name	Dimmable
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	No
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	No
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	No
81965400	MASTER LEDtube Starter EMP GenII OP	-
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	Yes
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	Yes
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	Yes
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	Yes
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	No
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	No
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	No
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	No
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	No
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	No
61602100	MASTER LEDtube 1050mm 16W 840 T8	No

### Operating and Electrical

## MASTER LEDtube EM/Mains

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)	Starting Time (Nom)
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	50 to 60 Hz	220-240 V	25 W	0.5 s
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	50 to 60 Hz	220-240 V	15.5 W	0.5 s
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	50 to 60 Hz	220-240 V	23 W	0.5 s
68708600	MASTER LEDtube 900mm HO 12W 840 T8	50 to 60 Hz	220-240 V	12 W	0.5 s
68710900	MASTER LEDtube 900mm HO 12W 865 T8	50 to 60 Hz	220-240 V	12 W	0.5 s
69747400	MASTER LEDtube 600mm HO 8W830 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
69749800	MASTER LEDtube 600mm HO 8W840 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
69751100	MASTER LEDtube 600mm HO 8W865 T8	50 to 60 Hz	220-240 V	8 W	0.5 s
72855000	MASTER LEDtube 1050mm 16W 830 T8	50 to 60 Hz	220-240 V	16 W	0.5 s
73150500	MASTER 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	MASTER LEDtube 1200mm UE 14.5W 865 T8	50 to 60 Hz	220-240 V	14.5 W	0.5 s
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	50 to 60 Hz	220-240 V	21.5 W	0.5 s
73156700	MASTER 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	-	-	-	-
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	50 to 60 Hz	220-240 V	16.5 W	0.5 s
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	50 to 60 Hz	220-240 V	16.5 W	0.5 s
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	50 to 60 Hz	220-240 V	24 W	0.5 s
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	50 to 60 Hz	220-240 V	12.5 W	0.5 s
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	50 to 60 Hz	220-240 V	18.2 W	0.5 s
61602100	MASTER LEDtube 1050mm 16W 840 T8	50 to 60 Hz	220-240 V	16 W	0.5 s

### General Information

## MASTER LEDtube EM/Mains

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	G13	50000 h	50000 h	50000X
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	G13	50000 h	50000 h	200000X
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	G13	60000 h	60000 h	200000X
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	G13	60000 h	60000 h	200000X
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	G13	60000 h	60000 h	200000X
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	G13	60000 h	60000 h	200000X
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	G13	60000 h	60000 h	200000X
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	G13	60000 h	60000 h	200000X
68708600	MASTER LEDtube 900mm HO 12W 840 T8	G13	50000 h	50000 h	200000X
68710900	MASTER LEDtube 900mm HO 12W 865 T8	G13	50000 h	50000 h	200000X
69747400	MASTER LEDtube 600mm HO 8W830 T8	G13	50000 h	50000 h	200000X
69749800	MASTER LEDtube 600mm HO 8W840 T8	G13	50000 h	50000 h	200000X
69751100	MASTER LEDtube 600mm HO 8W865 T8	G13	50000 h	50000 h	200000X
72855000	MASTER LEDtube 1050mm 16W 830 T8	G13	50000 h	50000 h	200000X
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	G13	70000 h	70000 h	200000X
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	G13	70000 h	70000 h	200000X

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)	Rated Lifetime (Hours)	Switching Cycle
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	G13	70000 h	70000 h	200000X
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	G13	70000 h	70000 h	200000X
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	G13	50000 h	50000 h	200000X
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	G13	50000 h	50000 h	200000X
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	G13	50000 h	50000 h	200000X
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	G13	50000 h	50000 h	200000X
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	G13	60000 h	60000 h	200000X
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	G13	60000 h	60000 h	200000X
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	G13	60000 h	60000 h	200000X
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	G13	60000 h	60000 h	200000X
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	G13	60000 h	60000 h	200000X
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	G13	60000 h	60000 h	200000X
61602100	MASTER LEDtube 1050mm 16W 840 T8	G13	50000 h	50000 h	200000X

### 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)
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	160 °	840	4000 K	83	70 %	3700 lm	3700 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)
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	160 °	830	3000 K	83	70 %	2300 lm	2300 lm
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	160 °	830	3000 K	83	70 %	3400 lm	3400 lm
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
68708600	MASTER LEDtube 900mm HO 12W 840 T8	160 °	840	4000 K	83	70 %	1575 lm	1575 lm
68710900	MASTER LEDtube 900mm HO 12W 865 T8	160 °	865	6500 K	83	70 %	1575 lm	1575 lm
69747400	MASTER LEDtube 600mm HO 8W830 T8	160 °	830	3000 K	83	70 %	1000 lm	1000 lm
69749800	MASTER LEDtube 600mm HO 8W840 T8	160 °	840	4000 K	83	70 %	1050 lm	1050 lm
69751100	MASTER LEDtube 600mm HO 8W865 T8	160 °	865	6500 K	83	70 %	1050 lm	1050 lm
72855000	MASTER LEDtube 1050mm 16W 830 T8 -	-	830	3000 K	80	70 %	2300 lm	2300 lm
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	160 °	865	6500 K	83	70 %	2500 lm	2500 lm
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	160 °	840	4000 K	83	70 %	3700 lm	3700 lm
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	160 °	865	6500 K	83	70 %	3700 lm	3700 lm
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-	-	-
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	240 °	840	4000 K	83	70 %	2100 lm	2100 lm
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	240 °	865	6500 K	83	70 %	2100 lm	2100 lm
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	240 °	840	4000 K	83	70 %	3100 lm	3100 lm
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	240 °	865	6500 K	83	70 %	3100 lm	3100 lm
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	160 °	830	3000 K	83	70 %	2000 lm	2000 lm
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	160 °	840	4000 K	83	70 %	2100 lm	2100 lm
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	160 °	865	6500 K	83	70 %	2100 lm	2100 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)
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	160 °	830	3000 K	83	70 %	2900 lm	2900 lm
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	160 °	840	4000 K	83	70 %	3100 lm	3100 lm
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	160 °	865	6500 K	83	70 %	3100 lm	3100 lm
61602100	MASTER LEDtube 1050mm 16W 840 T8	160 °	840	4000 K	83	70 %	2500 lm	2500 lm

### Light Technical (2/2)

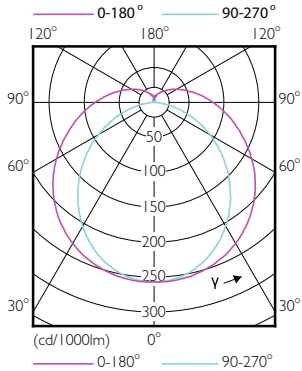
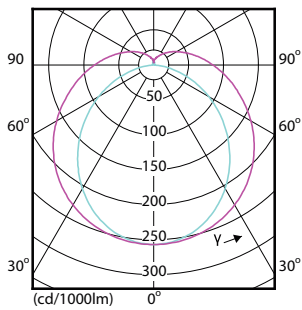
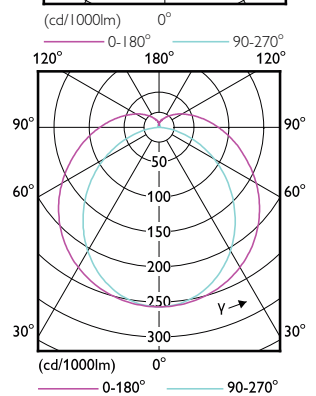
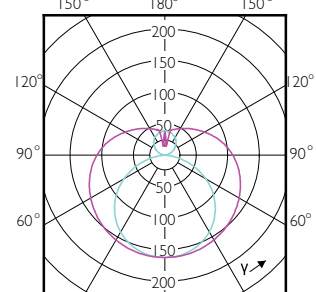
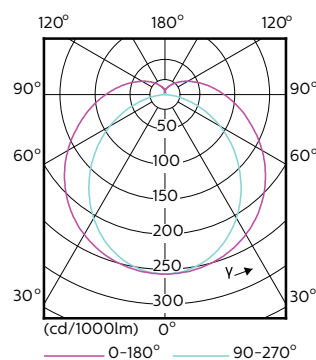
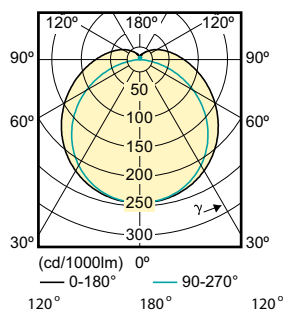
Order Code	Full Product Name	Rated Beam Angle	Order Code	Full Product Name	Rated Beam Angle
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	160 °	73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	160 °
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	160 °	73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	160 °
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	160 °	73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	160 °
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	160 °	81965400	MASTER LEDtube Starter EMP GenII OP	-
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	160 °	80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	240 °
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	160 °	80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	240 °
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	160 °	80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	240 °
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	160 °	80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	240 °
68708600	MASTER LEDtube 900mm HO 12W 840 T8	160 °	59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	160 °
68710900	MASTER LEDtube 900mm HO 12W 865 T8	160 °	59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	160 °
69747400	MASTER LEDtube 600mm HO 8W830 T8	160 °	59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	160 °
69749800	MASTER LEDtube 600mm HO 8W840 T8	160 °	59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	160 °
69751100	MASTER LEDtube 600mm HO 8W865 T8	160 °	59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	160 °
72855000	MASTER LEDtube 1050mm 16W 830 T8	-	59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	160 °
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	160 °	61602100	MASTER LEDtube 1050mm 16W 840 T8	160 °

### Temperature

Order Code	Full Product Name	T-Ambient (Max)	T-Ambient (Min)	T-Case Maximum (Nom)	T-Storage (Max)	T-Storage (Min)
48037300	MASTER LEDtube 1800mm 25W 840 T8 ROT	30 °C	-5 °C	61 °C	65 °C	-40 °C
68742000	MASTER LEDtube 1500mm UO 24W 830 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
64721600	MASTER LEDtube 1200mm UO 15.5W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64723000	MASTER LEDtube 1200mm UO 15.5W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64725400	MASTER LEDtube 1200mm UO 15.5W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
64727800	MASTER LEDtube 1500mm UO 23W 830 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
64729200	MASTER LEDtube 1500mm UO 23W 840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
64731500	MASTER LEDtube 1500mm UO 23W 865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
68708600	MASTER LEDtube 900mm HO 12W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
68710900	MASTER LEDtube 900mm HO 12W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
69747400	MASTER LEDtube 600mm HO 8W830 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
69749800	MASTER LEDtube 600mm HO 8W840 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
69751100	MASTER LEDtube 600mm HO 8W865 T8	35 °C	-20 °C	50 °C	65 °C	-40 °C
72855000	MASTER LEDtube 1050mm 16W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
73150500	MASTER LEDtube 1200mm UE 14.5W 840 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
73152900	MASTER LEDtube 1200mm UE 14.5W 865 T8	35 °C	-20 °C	55 °C	65 °C	-40 °C
73154300	MASTER LEDtube 1500mm UE 21.5W 840 T8	35 °C	-20 °C	60 °C	65 °C	-40 °C
73156700	MASTER LEDtube 1500mm UE 21.5W 865 T8	35 °C	-20 °C	60 °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)
81965400	MASTER LEDtube Starter EMP GenII OP	-	-	-	-	-
80602900	MASTER LEDtube Sensor 1200mm HO 16.5W840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
80604300	MASTER LEDtube Sensor 1200mm HO 16.5W865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
80606700	MASTER LEDtube Sensor 1500mm HO 24W840 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
80608100	MASTER LEDtube Sensor 1500mm HO 24W865 T8	45 °C	-20 °C	60 °C	65 °C	-40 °C
59235600	MASTER LEDtube 1200mm HO 12.5W 830 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59237000	MASTER LEDtube 1200mm HO 12.5W 840 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59239400	MASTER LEDtube 1200mm HO 12.5W 865 T8	45 °C	-20 °C	50 °C	65 °C	-40 °C
59241700	MASTER LEDtube 1500mm HO 18.2W 830 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59243100	MASTER LEDtube 1500mm HO 18.2W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
59245500	MASTER LEDtube 1500mm HO 18.2W 865 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C
61602100	MASTER LEDtube 1050mm 16W 840 T8	45 °C	-20 °C	55 °C	65 °C	-40 °C



# MASTER LEDtube EM/Mains

