



For top performance and sustainability

MASTER LEDtube T8 Ultra Efficient

With energy prices rising and the EU's Green Deal2 continuing to fund energy efficient building renovations, many are looking into make their company's lighting more sustainable. The new Philips MASTER LEDtube Ultra Efficient T8 is a true breakthrough on the way to more sustainable lighting. It replaces your current fluorescent tube or LED tube directly and offers immediately great energy cost reduction as well as a much longer lifetime!

Benefits

- Absolute performance in energy saving: up to 70% compared with conventional fluorescent tube
- · Reliable performance of up to 100,000 hours
- Up to 70% CO2 savings when compared to conventional fluorescent tube

Features

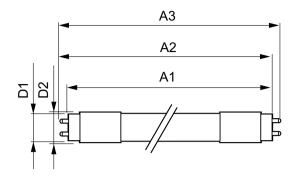
- · Ultra efficiency achieve an incredible 210lm/W
- \cdot Up to 100,000 hours lifetime
- · Plastic design makes it true shatterproof according to IEC 61549 standards
- Rotatable end-cap that gives light where needed
- HACCP-enabled, supported by product level NSF certificate

Application

- · Industry & warehouse
- · Office, education & retail

MASTER LEDtube T8 UltraEfficient

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS I EDtube 1200mm UE	25.8 mm	28 mm	1 198 2 mm	1.205.3 mm	1 212 / mm
11.9W 840 T8 FELA	25.0 11111	20 111111	1,150.2 11111	1,203.3 111111	1,212.711111
MAS I EDtube 1200mm UE	7E 0 mm	70 mm	1100 2 mm	1.205.3 mm	1 212 4 mm
13 5W 865 T8	25.6 111111	20 111111	1,190.2111111	1,205.5 111111	1,212.4 111111
15.517 005 10	25.0	20	1.400.0	45050	4.540
MAS LEDtube 1500mm UE	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
17.6W 840 T8 EELA					
MAS LEDtube 1500mm UE 20W	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
840 T8					

General Information	
Cap-Base	G13 ROT
Switching Cycle	200,000
Light Technical	
Beam Angle (Nom)	160 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Temperature	
Ambient temperature range	-20 °C to 45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

General Information

Order Code	Full Product Name	Nominal lifetime
929003067102	MAS LEDtube 1200mm UE 13.5W 865 T8	75,000 hour(s)
929003067202	MAS LEDtube 1500mm UE 20W 840 T8	75,000 hour(s)
929003482202	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	100,000 hour(s)
929003482302	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	100,000 hour(s)

Light Technical

		Correlated Color		
		Temperature	Color	Luminous
Order Code	Full Product Name	(Nom)	Code	Flux
929003067102	MAS LEDtube 1200mm	6500 K	865	2,500 lm
	UE 13.5W 865 T8			
929003067202	MAS LEDtube 1500mm	4000 K	840	3,700 lm
	UE 20W 840 T8			

		Correlated Color		
		Temperature	Color	Luminous
Order Code	Full Product Name	(Nom)	Code	Flux
929003482202	MAS LEDtube 1200mm	4000 K	840	2,500 lm
	UE 11.9W 840 T8 EELA			
929003482302	MAS LEDtube 1500mm	4000 K	840	3,700 lm
	UE 17.6W 840 T8 EELA			

Operating and Electrical

MASTER LEDtube T8 UltraEfficient

		Power	Starting Time
Order Code	Full Product Name	Consumption	(Nom)
929003067102	MAS LEDtube 1200mm UE 13.5W 865 T8	13.5 W	0.5 s
929003067202	MAS LEDtube 1500mm UE 20W 840 T8	20 W	0.5 s

		Power	Starting Time
Order Code	Full Product Name	Consumption	(Nom)
929003482202	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	11.9 W	1s
929003482302	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	17.6 W	1s

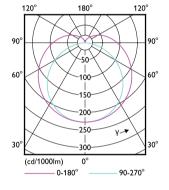
Temperature

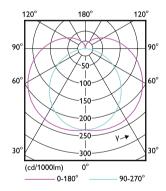
		T-Case Maximum
Order Code	Full Product Name	(Nom)
929003067102	MAS LEDtube 1200mm UE 13.5W 865 T8	55 ℃
929003067202	MAS LEDtube 1500mm UE 20W 840 T8	60 °C
929003482202	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	40 °C

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929003482302	MAS LEDtube 1500mm UE 17.6W 840 T8	45 ℃
	EELA	

Approval and Application

		Energy Consumption
Order Code	Full Product Name	kWh/1000 h
929003067102	MAS LEDtube 1200mm UE 13.5W 865 T8	14 kWh
929003067202	MAS LEDtube 1500mm UE 20W 840 T8	20 kWh
929003482202	MAS LEDtube 1200mm UE 11.9W 840 T8	12 kWh
	EELA	
929003482302	MAS LEDtube 1500mm UE 17.6W 840 T8	18 kWh
	EELA	







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