



# 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 44% compared with standard LED tube
- · Reliable performance of up to 100,000 hours
- · Energy cost and CO2 savings from the start

#### **Features**

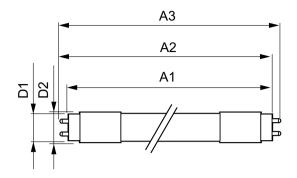
- · Ultra efficiency achieve an incredible class A/B energy efficiency rating
- $\cdot$  Up to 100,000 hours lifetime
- $\cdot$  Plastic design makes it true shatterproof according to IEC 61549 standards
- Rotatable end-cap that gives light where needed
- HACCP-enabled, supported by product level NSF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

#### **Application**

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

# **MASTER LEDtube T8 Ultra Efficient**

# Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube 1200mm UE	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
11.9W 840 T8 EELA					
MAS LEDtube 1200mm UE	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
13.5W 840 T8					
MAS LEDtube 1200mm UE	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
13.5W 865 T8					
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					
MAS LEDtube 1500mm UE 20W	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm
865 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**

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

# **Light Technical**

		Correlated Color		
		Temperature	Color	Luminous
Order Code	Full Product Name	(Nom)	Code	Flux
929003067002	MAS LEDtube 1200mm	4000 K	840	2,500 lm
	UE 13.5W 840 T8			
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
929003067302	MAS LEDtube 1500mm	6500 K	865	3,700 lm
	UE 20W 865 T8			
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			

# **MASTER LEDtube T8 Ultra Efficient**

#### Operating and Electrical

operating and Etectrical				
		Power	Starting Time	
Order Code	Full Product Name	Consumption	(Nom)	
929003067002	MAS LEDtube 1200mm UE	13.5 W	0.5 s	
	13.5W 840 T8			
929003067102	MAS LEDtube 1200mm UE	13.5 W	0.5 s	
	13.5W 865 T8			
929003067202	MAS LEDtube 1500mm UE 20W	20 W	0.5 s	
	840 T8			

Order Code	Full Product Name	Power Consumption	Starting Time
Order Code	ruit Product Name	Consumption	(Nom)
929003067302	MAS LEDtube 1500mm UE 20W 865 T8	20 W	0.5 s
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

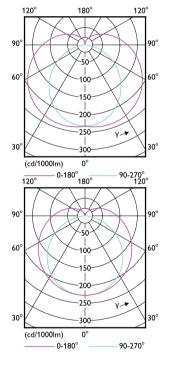
### Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929003067002	MAS LEDtube 1200mm UE 13.5W 840 T8	55 ℃
929003067102	MAS LEDtube 1200mm UE 13.5W 865 T8	55 ℃
929003067202	MAS LEDtube 1500mm UE 20W 840 T8	60 ℃

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929003067302	MAS LEDtube 1500mm UE 20W 865 T8	60 °C
929003482202	MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	40 °C
929003482302	MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	45 °C

## **Approval and Application**

		<b>Energy Consumption</b>
Order Code	Full Product Name	kWh/1000 h
929003067002	MAS LEDtube 1200mm UE 13.5W 840 T8	14 kWh
929003067102	MAS LEDtube 1200mm UE 13.5W 865 T8	14 kWh
929003067202	MAS LEDtube 1500mm UE 20W 840 T8	20 kWh
929003067302	MAS LEDtube 1500mm UE 20W 865 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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