



For an optimum combination of value and performance

MASTER Value T8 Ultra Efficient

Welcome the new Philips MASTER Value LEDtube UltraEfficient – your solution for upgrading more price–sensitive customers to ultra–efficient LED. Thanks to the cost-effective design, high energy efficiency and long service life, the new LED tube can convince with a payback time of less than 2 months, when upgrading from fluorescent tubes.

Benefits

- · Instant energy saving compared with either fluorescent or standard LED tube
- Reliable performance that lasts up to 75,000 hours
- Energy cost and CO2 savings from the start

Features

- $\boldsymbol{\cdot}$ Ultra efficiency achieve an incredible class B energy efficiency rating
- Up to 75,000 hours lifetime
- · Glass platform with 190D beam angle to ensure light uniformity
- Enable implementation of HACCP, supported by product level NSF certificate
- · No mercury

Application

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

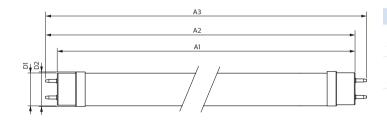
MASTER Value T8 Ultra Efficient

Versions



MAS LEDtube VLE UE T8 20240506 RTP

Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube VLE 1200mm UE	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm
14W 840 T8					
MAS LEDtube VLE 1500mm UE	25.7 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm
22.1W 840 T8					

MASTER Value T8 Ultra Efficient

General Information Cap-Base G13 Switching Cycle 200,000 Nominal lifetime 75,000 hour(s) Light Technical Beam Angle (Nom) 190 degree(s) Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application Ambient temperature range -20 to +45 °C		
Switching Cycle 200,000 Nominal lifetime 75,000 hour(s) Light Technical Beam Angle (Nom) 190 degree(s) Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	General Information	
Nominal lifetime 75,000 hour(s) Light Technical Beam Angle (Nom) 190 degree(s) Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	Cap-Base	G13
Light Technical Beam Angle (Nom) 190 degree(s) Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	Switching Cycle	200,000
Beam Angle (Nom) 190 degree(s) Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	Nominal lifetime	75,000 hour(s)
Beam Angle (Nom) 190 degree(s) Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8		
Correlated Color Temperature (Nom) 4000 K Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	Light Technical	
Color rendering index (CRI) 80 Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	Beam Angle (Nom)	190 degree(s)
Color Code 840 LLMF At End Of Nominal Lifetime 70 % (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8	Correlated Color Temperature (Nom)	4000 K
LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	Color rendering index (CRI)	80
(Nom) Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	Color Code	840
Operating and Electrical Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	LLMF At End Of Nominal Lifetime	70 %
Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	(Nom)	
Input Frequency 50 to 60 Hz Starting Time (Nom) 0.5 s Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application		
Starting Time (Nom) Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	Operating and Electrical	
Controls and Dimming Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	Input Frequency	50 to 60 Hz
Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	Starting Time (Nom)	0.5 s
Dimmable No Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application		
Mechanical and Housing Bulb Finish Frosted Bulb Shape T8 Approval and Application	Controls and Dimming	
Bulb Finish Frosted Bulb Shape T8 Approval and Application	Dimmable	No
Bulb Finish Frosted Bulb Shape T8 Approval and Application		
Bulb Shape T8 Approval and Application	Mechanical and Housing	
Approval and Application	Bulb Finish	Frosted
	Bulb Shape	T8
Ambient temperature range -20 to +45 °C	•••	
	Ambient temperature range	-20 to +45 °C

Light Technical

Order Code	Full Product Name	Luminous Flux
31671300	MASTER LEDtube VLE 1200mm UE 14W 840 T8	2,600 lm
31675100	MASTER LEDtube VLE 1500mm UE 22.1W 840 T8	4,100 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
31671300	MASTER LEDtube VLE 1200mm UE 14W 840 T8	14 W

Order Code	Full Product Name	Power Consumption
31675100	MASTER LEDtube VLE 1500mm UE 22.1W 840 T8	22.1 W

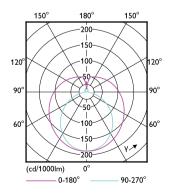
Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
31671300	MASTER LEDtube VLE 1200mm UE 14W 840 T8	50 °C

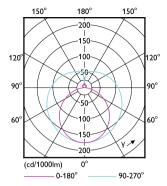
Order Code	Full Product Name	T-Case Maximum (Nom)
31675100	MASTER LEDtube VLE 1500mm UE 22.1W 840 T8	55 ℃

Approval and Application

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
31671300	MASTER LEDtube VLE 1200mm UE 14W	14 kWh
	840 T8	
31675100	MASTER LEDtube VLE 1500mm UE 22.1W	23 kWh
	840 T8	



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