

The new generation of energy-saving T8 tube lighting

MASTER LEDtube InstantFit HF T8

Philips MASTER LEDtube InstantFit T8 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. Philips MASTER LEDtube InstantFit T8 is the ideal solution for customers who have higher light requirements and want to maximise value over lifetime. Full energy savings & longer lifetime result in attractive payback times and TCO benefits.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than normal fluorescent tubes
- The fastest and easiest way to upgrade existing luminaires to LED technology, with a 100% safe installation process

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Features

- HF compatibility: no wires to replace, no hassle changing drivers; our InstantFit solution works with High Frequency electronic ballasts, making it easy and safe for all installation methods
- Electronic Pin safety: with Philips products you can safely touch the other end-cap when installing the tube. The integrated driver is also safely isolated from touchable parts. Philips LED tubes adhere to all UL and IEC pin safety requirements
- Rotating end-caps: in many applications the pin fitting needs to be rotating. This can be a problem as LED tubes only provide directional light. Our T8 MASTER LED tubes have rotating end-caps to allow you to rotate the tube by up to 90 degrees
- Shatterproof, passing drop test horizontally from a height of 4m on to a flat concrete according to IEC 61549.
- Enable easy implementation of HACCP without need for additional guard, supported by product level NSF certificate

Application

- The ideal solution for very demanding applications with the highest lumen output requirements while saving on energy bills: office, school, retail & industry, healthcare applications

Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

Versions

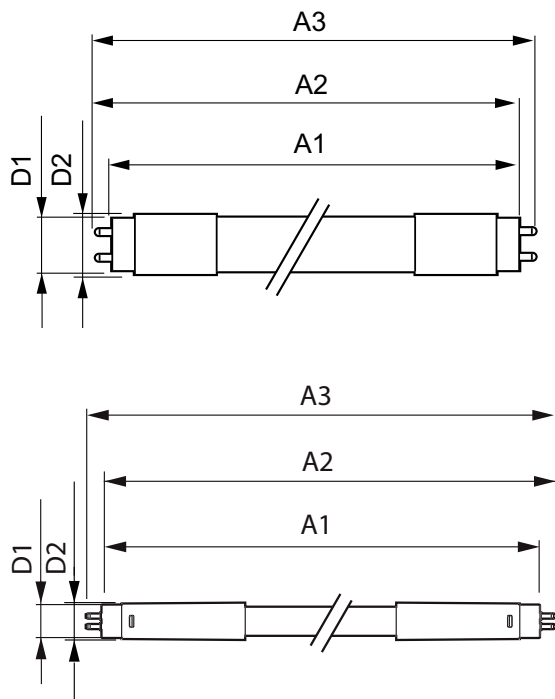


TLED 230V 10.5W-36W 160D T8ND

8W G13

MASTER LEDtube InstantFit HF T8

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HO 14W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube HF 1200mm UO 16W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
MAS LEDtube HF 1500mm HO 20W840 T8	25.8 mm	28 mm	1,498.8 mm	1,505.9 mm	1,513 mm

Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HO 8W830 T8	25.8 mm	28 mm	588.6 mm	595.7 mm	602.8 mm

General Information

Cap base	G13 ROT
Switching Cycle	50,000
Nominal lifetime	75,000 h

Light Technical

Beam angle (nom.)	160 degree(s)
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical

Starting time (nom.)	0.5 s
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Temperature

T-Case maximum (nom.)	55 °C
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Mechanical and Housing

Lamp Finish	Frosted
Bulb shape	T8

Approval and Application

Ambient temperature range	-20°C to 45°C
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Light Technical

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Code	Luminous Flux
929003553402	MAS LEDtube HF 1200mm HO 14W830 T8	3000 K	830	2,000 lm
929003553802	MAS LEDtube HF 1500mm HO 20W840 T8	4000 K	840	3,100 lm
929003554102	MAS LEDtube HF 1200mm UO 16W840 T8	4000 K	840	2,500 lm
929001393132	MAS LEDtube HF 600mm HO 8W830 T8	3000 K	830	1,000 lm

Operating and Electrical

MASTER LEDtube InstantFit HF T8

Full Product				Power
Order Code	Name	Input frequency	Line Frequency	Consumption
929003553402	MAS LEDtube	20000-75000 Hz	20000-75000 Hz	14 W
	HF 1200mm			
	HO 14W830 T8			
929003553802	MAS LEDtube	20000-75000 Hz	20000-75000 Hz	20 W
	HF 1500mm			

Full Product				Power
Order Code	Name	Input frequency	Line Frequency	Consumption
929003554102	MAS LEDtube	20000-75000 Hz	20000-75000 Hz	16 W
	HF 1200mm			
	UO 16W840 T8			
929001393132	MAS LEDtube	20000-120000 Hz	20000-120000 Hz	8 W
	HF 600mm HO			
	8W830 T8			

Controls and Dimming

Order Code	Full Product Name	Dimmable
929003553402	MAS LEDtube HF 1200mm HO 14W830 T8	Yes – Check ballast compatibility
929003553802	MAS LEDtube HF 1500mm HO 20W840 T8	Yes – Check ballast compatibility

Order Code	Full Product Name	Dimmable
929003554102	MAS LEDtube HF 1200mm UO 16W840 T8	Yes – Check ballast compatibility
929001393132	MAS LEDtube HF 600mm HO 8W830 T8	No

Approval and Application

Full Product Name		Energy consumption kWh/1,000 hours
Order Code		
929003553402	MAS LEDtube HF 1200mm HO 14W830 T8	14 kWh
929003553802	MAS LEDtube HF 1500mm HO 20W840 T8	20 kWh
929003554102	MAS LEDtube HF 1200mm UO 16W840 T8	16 kWh
929001393132	MAS LEDtube HF 600mm HO 8W830 T8	8 kWh

