



For top performance and sustainability

MASTER LEDtube InstantFit HF T5

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. These T5 lighting tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime make these T5 LED tubes the choice for every demanding application.

Benefits

- Absolute performance that provides a solution for every application
- Unparalleled savings with low energy consumption and long lifetime
- Robust and reliable: stands up to everyday conditions

Features

- Retrofit existing T5 lamps with HF ballast
- Compatible with a wide range of ballasts
- > 50% energy savings compared to fluorescent tubes with up to 155lm/W
- Extra-long life up to 60,000 hours
- Ultra output up to 5600lm
- No mercury

Application

- Office
- Schools
- Retail

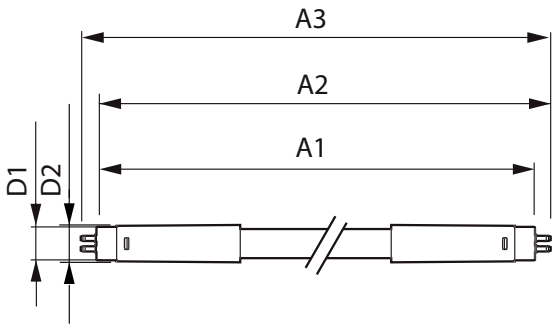
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Versions



MAS LEDtube HF 1500mm 26W G5 T5 HO

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 1200mm HE 16.5W 830 T5	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube HF 1200mm HE 16.5W 840 T5	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube HF 1200mm HE 16.5W 865 T5	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
MAS LEDtube HF 1500mm HE 20W 865 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
MAS LEDtube HF 1500mm UO 36W 840 T5	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm

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General Information	
Cap-Base	G5
Switching Cycle	50,000
Nominal lifetime	60,000 hour(s)
Light Technical	
Beam Angle (Nom)	200 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	30K to 100K Hz
Line Frequency	30K to 100K Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 45 °C
Controls and Dimming	
Dimmable	Yes - Check ballast compatibility
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T5

Light Technical

Order Code	Full Product Name	Correlated Color	Color	Luminous Flux
		Temperature (Nom)	Code	
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	4000 K	840	5,600 lm
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	3000 K	830	2,300 lm
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	4000 K	840	2,500 lm
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	6500 K	865	2,500 lm
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	4000 K	840	3,000 lm
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	6500 K	865	3,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	36 W
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	16.5 W
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	16.5 W

Order Code	Full Product Name	Power Consumption
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	16.5 W
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	20 W
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	20 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	75 °C
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	65 °C
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	65 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	65 °C
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	65 °C
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	65 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption
		kWh/1000 h
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	36 kWh
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	17 kWh
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	17 kWh
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	17 kWh
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	20 kWh
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	20 kWh

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