



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
- \cdot Compatible with a wide range of ballasts
- \cdot > 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

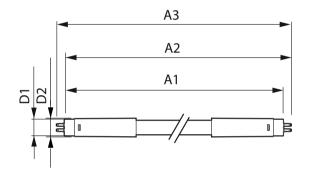
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Versions



LEDtube MAS G5

Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube HF 1200mm HE	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm
16.5W 830 T5					
MAS LEDtube HF 1200mm HE	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm
16.5W 840 T5					
MAS LEDtube HF 1200mm HE	15.5 mm	18.8 mm	1,149 mm	1,156.1 mm	1,163.2 mm
16.5W 865 T5					
MAS LEDtube HF 1200mm HO	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
26W 830 T5 OE					
MAS LEDtube HF 1200mm HO	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
26W 840 T5 OE					
MAS LEDtube HF 1200mm HO	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
26W 865 T5 OE					
MAS LEDtube HF 1500mm HE	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
20W 830 T5					
MAS LEDtube HF 1500mm HE	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
20W 840 T5					
MAS LEDtube HF 1500mm HE	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
20W 865 T5					
MAS LEDtube HF 600mm HE 8W	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
830 T5					

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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	70 %
(Nom)	
Operating and Electrical	
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
Data i illisii	

Light Technical

		Correlated Color	Color	
Order Code	Full Product Name	Temperature (Nom)	Code	Luminous Flux
929002352002	MAS LEDtube HF 1200mm HO 26W 830	3000 K	830	3,700 lm
	T5 OE			
929002352102	MAS LEDtube HF 1200mm HO 26W 840	4000 K	840	3,900 lm
	T5 OE			
929002352202	MAS LEDtube HF 1200mm HO 26W 865	6500 K	865	3,900 lm
	T5 OE			
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	3000 K	830	1,000 lm
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830	3000 K	830	2,300 lm
	T5			
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840	4000 K	840	2,500 lm
	T5			
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865	6500 K	865	2,500 lm
	T5			
929001391302	MAS LEDtube HF 1500mm HE 20W 830	3000 K	830	2,800 lm
	T5			
929001391402	MAS LEDtube HF 1500mm HE 20W 840	4000 K	840	3,000 lm
	T5			
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	6500 K	865	3,000 lm

Operating and Electrical

Operating an	iu Electrical								
		Input		Power				Input	Input
order Code	Full Product Name	Frequency	Line Frequency	Consumption	Order Cod	e	e Full Product Name	e Full Product Name Frequency	e Full Product Name Frequency Line Frequency
929002352002	MAS LEDtube HF	30K to 60K Hz	30K to 60K Hz	26 W	929001391102		MAS LEDtube HF	MAS LEDtube HF 30K to 100K Hz	MAS LEDtube HF 30K to 100K Hz 30K to 100K Hz
	1200mm HO 26W						1200mm HE 16.5W	1200mm HE 16.5W	1200mm HE 16.5W
	830 T5 OE						840 T5	840 T5	840 T5
929002352102	MAS LEDtube HF	30K to 60K Hz	30K to 60K Hz	26 W	929001391202		MAS LEDtube HF	MAS LEDtube HF 30K to 100K Hz	MAS LEDtube HF 30K to 100K Hz 30K to 100K Hz
	1200mm HO 26W						1200mm HE 16.5W	1200mm HE 16.5W	1200mm HE 16.5W
	840 T5 OE						865 T5	865 T5	865 T5
929002352202	MAS LEDtube HF	30K to 60K Hz	30K to 60K Hz	26 W	929001391302		MAS LEDtube HF	MAS LEDtube HF 30K to 100K Hz	MAS LEDtube HF 30K to 100K Hz 30K to 100K Hz
	1200mm HO 26W						1500mm HE 20W	1500mm HE 20W	1500mm HE 20W
	865 T5 OE						830 T5	830 T5	830 T5
929001390702	MAS LEDtube HF	30K to 100K Hz	30K to 100K Hz	8 W	929001391402		MAS LEDtube HF	MAS LEDtube HF 30K to 100K Hz	MAS LEDtube HF 30K to 100K Hz 30K to 100K Hz
	600mm HE 8W					1	500mm HE 20W	500mm HE 20W	500mm HE 20W
	830 T5					8	40 T5	40 T5	40 T5
929001391002	MAS LEDtube HF	30K to 100K Hz	30K to 100K Hz	16.5 W	929001391502		MAS LEDtube HF	MAS LEDtube HF 30K to 100K Hz	MAS LEDtube HF 30K to 100K Hz 30K to 100K Hz
	1200mm HE 16.5W						1500mm HE 20W	1500mm HE 20W	1500mm HE 20W
	830 T5						865 T5	865 T5	865 T5

Temperature

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	55 °C
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	55 ℃

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	55 °C
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	65 °C

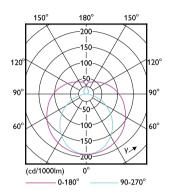
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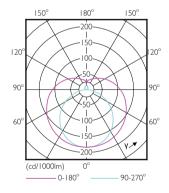
		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	65 °C
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	65 °C
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	65 °C

		T-Case Maximum
Order Code	Full Product Name	(Nom)
929001391302	MAS LEDtube HF 1500mm HE 20W 830 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

	а дрисации	
		Energy Consumption
Order Code	Full Product Name	kWh/1000 h
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5	26 kWh
	OE	
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5	26 kWh
	OE	
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5	26 kWh
	OE	
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	8 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
929001391302	MAS LEDtube HF 1500mm HE 20W 830 T5	20 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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