



# For top performance and sustainability

## MASTER LED tube InstantFit HF T5

The Philips MASTER LEDtube integrates an LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance, which cannot be distinguished from traditional fluorescents. 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 applications.

### 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

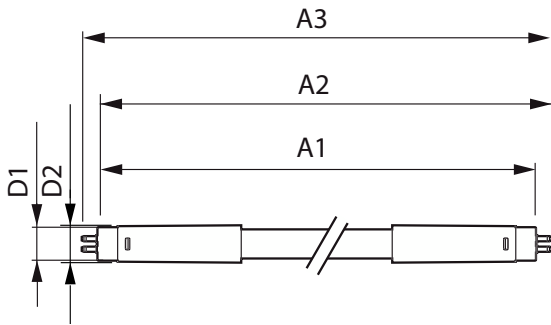
- Retrofit existing T5 lamps with HF ballast
- Compatible with a wide range of ballasts
- > 50% energy savings compared to fluorescent tubes with up to 155 lm/W
- Extra-long life up to 60,000 hours
- Ultra output up to 5,600 lm
- Enable implementation of HACCP, supported by product level NSF certificate
- No mercury

### Application

- Office
- Schools
- Retail

# MASTER LED tube InstantFit HF T5

## 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 1200mm HO 26W 830 T5 OE	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
MAS LEDtube HF 1200mm HO 26W 840 T5 OE	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 mm
MAS LEDtube HF 1200mm HO 26W 865 T5 OE	15.5 mm	19 mm	1,149 mm	1,156 mm	1,163 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 HO 26W 840 T5 OE	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube HF 1500mm UO 36W 840 T5	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube HF 1500mm UO 36W 865 T5	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube HF 600mm HE 7W 830 T5	15.7 mm	19 mm	549 mm	556 mm	563 mm
MAS LEDtube HF 600mm HE 7W 865 T5	15.7 mm	19 mm	549 mm	556 mm	563 mm
MAS LEDtube HF 900mm HO 18.5W 840 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm

### General Information

Cap base	G5
Switching Cycle	50,000
Nominal lifetime	60,000 h

### Light Technical

Beam angle (nom.)	200 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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### Controls and Dimming

Dimmable	Yes – Check ballast compatibility
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### Mechanical and Housing

Lamp Finish	Frosted
Bulb shape	T5

### Light Technical

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Code	Luminous Flux
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	3000 K	830	3,700 lm
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	4000 K	840	3,900 lm
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	6500 K	865	3,900 lm
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	4000 K	840	3,900 lm
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	4000 K	840	5,600 lm
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	6500 K	865	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

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Order Code	Full Product Name	Correlated Colour	Colour	Luminous Flux
		Temperature (Nom)	Code	
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	4000 K	840	3,000 lm
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	4000 K	840	2,800 lm
929003795102	MAS LEDtube HF 600mm HE 7W 830 T5	3000 K	830	1,000 lm
929003795302	MAS LEDtube HF 600mm HE 7W 865 T5	6500 K	865	1,050 lm

## Operating and Electrical

Order Code	Full Product Name	Input frequency	Line Frequency	Power Consumption
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	30 K to 60 K Hz	30K to 60K Hz	26 W
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	30 K to 60 K Hz	30K to 60K Hz	26 W
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	30 K to 60 K Hz	30K to 60K Hz	26 W
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	20 K to 140 K Hz	20K to 140K Hz	26 W
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	30 K to 100 K Hz	30K to 100K Hz	36 W
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	30 K to 100 K Hz	30K to 100K Hz	36 W
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	30 K to 100 K Hz	30K to 100K Hz	16.5 W
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	30 K to 100 K Hz	30K to 100K Hz	16.5 W
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	30 K to 100 K Hz	30K to 100K Hz	16.5 W
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	30 K to 100 K Hz	30K to 100K Hz	20 W
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	30 K to 100 K Hz	30K to 100K Hz	18.5 W
929003795102	MAS LEDtube HF 600mm HE 7W 830 T5	30 K to 100 K Hz	-	7 W
929003795302	MAS LEDtube HF 600mm HE 7W 865 T5	30 K to 100 K Hz	-	7 W

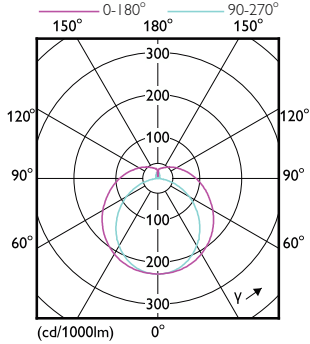
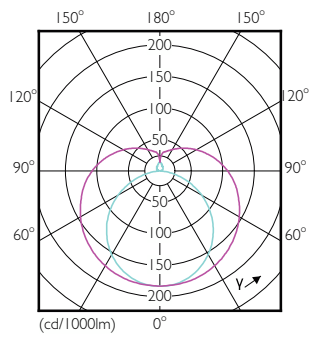
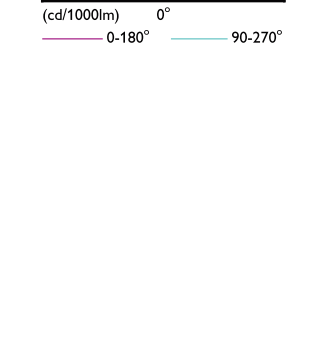
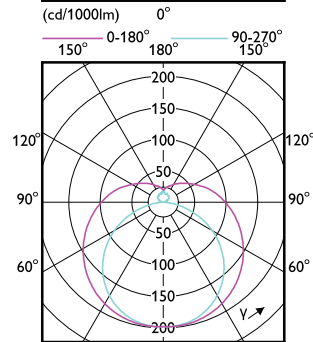
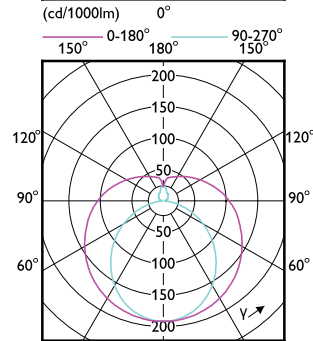
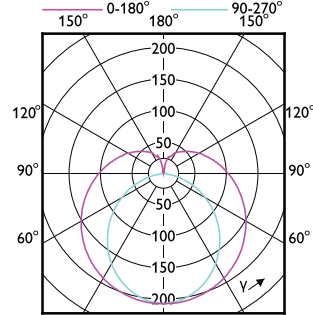
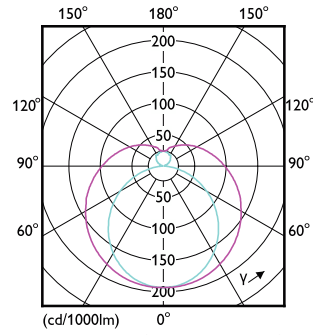
## Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	50 °C
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	50 °C
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	50 °C
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	50 °C
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	75 °C
929003154102	MAS LEDtube HF 1500mm UO 36W 865 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
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	65 °C
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	65 °C
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	60 °C
929003795102	MAS LEDtube HF 600mm HE 7W 830 T5	50 °C
929003795302	MAS LEDtube HF 600mm HE 7W 865 T5	50 °C

## Approval and Application

# MASTER LED tube InstantFit HF T5

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/1,000 hours
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	-20°C to 45°C	26 kWh
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	-20°C to 45°C	26 kWh
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	-20°C to 45°C	26 kWh
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	-20°C to 45°C	26 kWh
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	-20°C to 45°C	36 kWh
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	-20°C to 45°C	36 kWh
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	-20°C to 45°C	17 kWh
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	-20°C to 45°C	17 kWh
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	-20°C to 45°C	17 kWh
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	-20°C to 45°C	20 kWh
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	-20°C to 45°C	19 kWh
929003795102	MAS LEDtube HF 600mm HE 7W 830 T5	-20 to +45 °C	7 kWh
929003795302	MAS LEDtube HF 600mm HE 7W 865 T5	-20 to +45 °C	7 kWh



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