



# For top performance and sustainability

## MASTER LEDtube 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
- No mercury

### Application

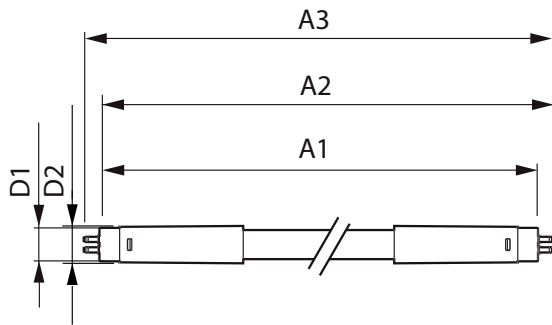
- Office
- Schools
- Retail

# MASTER LEDtube InstantFit HF T5

## Versions



## Dimensional drawing



Product	D1	D2	A1	A2	A3
Master LEDtube HF 1500mm HO 26W 865 T5 OE	15.5 mm	19 mm	1449 mm	1456 mm	1463 mm
Master LEDtube HF 1500mm HO 26W 830 T5 OE	15.5 mm	19 mm	1449 mm	1456 mm	1463 mm
Master LEDtube HF 1500mm HO 26W 840 T5 OE	15.5 mm	19 mm	1449 mm	1456 mm	1463 mm
Master LEDtube HF 1200mm HO 26W 840 T5 OE	15.5 mm	19 mm	1149 mm	1156 mm	1163 mm
Master LEDtube HF 600mm HE 8W 840 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
Master LEDtube HF 1500mm HE 20W 840 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm
Master LEDtube HF 1200mm HE 16.5W 865 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm
Master LEDtube HF 1200mm HE 16.5W 840 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm
Master LEDtube HF 600mm HE 8W 830 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
Master LEDtube HF 1500mm HE 20W 865 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm
Master LEDtube HF 1200mm HE 16.5W 830 T5	15.5 mm	18.8 mm	1149 mm	1156.1 mm	1163.2 mm
Master LEDtube HF 1500mm HE 20W 830 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm

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## Controls and dimming

Dimmable	Yes – Check ballast compatibility
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## Operating and electrical

Starting Time (Nom)	0.5 s
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## General information

Cap-Base	G5
Nominal Lifetime (Nom)	60000 h
Switching Cycle	50000

## Light technical

Beam Angle (Nom)	200 °
Colour Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %

## Mechanical and housing

Bulb Finish	Frosted
Bulb Shape	Tube, double-ended

## Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

## Approval and application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
74323200	Master LEDtube HF 600mm HE 8W 830 T5	8 kWh
74325600	Master LEDtube HF 600mm HE 8W 840 T5	8 kWh
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	17 kWh
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	17 kWh
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	17 kWh
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	20 kWh
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	20 kWh
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	20 kWh
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	26 kWh
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	26 kWh
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	26 kWh
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	26 kWh

## Operating and electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)	Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Wattage Equivalent	Power (Nom)
74323200	Master LEDtube HF 600mm HE 8W 830 T5	30 K to 100 K Hz	40-70 V	14 W	8 W	74337900	Master LEDtube HF 1500mm HE 20W 840 T5	30 K to 100 K Hz	80-130 V	35 W	20 W
74325600	Master LEDtube HF 600mm HE 8W 840 T5	30 K to 100 K Hz	40-70 V	14 W	8 W	74339300	Master LEDtube HF 1500mm HE 20W 865 T5	30 K to 100 K Hz	80-130 V	35 W	20 W
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	30 K to 100 K Hz	70-120 V	28 W	16.5 W	74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	30 K to 60 K Hz	20-90 V	54 W	26 W
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	30 K to 100 K Hz	70-120 V	28 W	16.5 W	74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	20 K to 140 K Hz	60-120 V	49 W	26 W
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	30 K to 100 K Hz	70-120 V	28 W	16.5 W	74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	20 K to 140 K Hz	60-120 V	49 W	26 W
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	30 K to 100 K Hz	80-130 V	35 W	20 W	74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	20 K to 140 K Hz	60-120 V	49 W	26 W

# MASTER LEDtube InstantFit HF T5

## Light technical

Order Code	Full Product Name	Correlated Colour		
		Colour Code	Temperature (Nom)	Luminous Flux (Nom)
74323200	Master LEDtube HF 600mm HE 8W 830 T5	830	3000 K	1000 lm
74325600	Master LEDtube HF 600mm HE 8W 840 T5	841	4000 K	1050 lm
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	830	3000 K	2300 lm
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	841	4000 K	2500 lm
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	865	6500 K	2500 lm
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	830	3000 K	2800 lm
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	841	4000 K	3000 lm

Order Code	Full Product Name	Correlated Colour		
		Colour Code	Temperature (Nom)	Luminous Flux (Nom)
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	865	6500 K	3000 lm
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	841	4000 K	3900 lm
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	830	3000 K	3700 lm
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	841	4000 K	3900 lm
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	865	6500 K	3900 lm

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
74323200	Master LEDtube HF 600mm HE 8W 830 T5	65 °C
74325600	Master LEDtube HF 600mm HE 8W 840 T5	65 °C
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	65 °C
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	65 °C
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	65 °C
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	65 °C
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	65 °C
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	65 °C
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	55 °C
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	50 °C
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	50 °C
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	50 °C

