



# 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

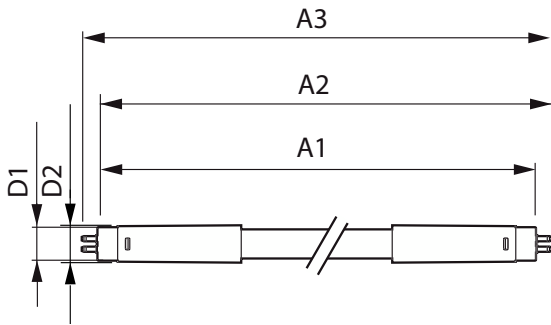
- Retrofit existing T5 lamps with HF ballast
- Compatible with a wide range of ballasts
- <gt/> 50% energy savings compared to fluorescent tubes with up to 155lm/W
- Extra-long life up to 60,000 hours
- Ultra output up to 5600lm
- No mercury

### Application

- Office
- Schools
- Retail

# MASTER LEDtube 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 830 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 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 HO 26W 830 T5 OE	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube HF 1500mm HO 26W 840 T5	15.2 mm	21 mm	1,447.8 mm	1,454.9 mm	1,462 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 HO 26W 865 T5 OE	15.5 mm	19 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube HF 1500mm UO 36W 830 T5	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 8W 830 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube HF 600mm HE 8W 840 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube HF 600mm HE 8W 865 T5	15.5 mm	18.8 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube HF 600mm HO 10.5W 830 T5	15.5 mm	16/19 mm	549 mm	556 mm	563 mm
MAS LEDtube HF 600mm HO 10.5W 840 T5	15.5 mm	16/19 mm	549 mm	556 mm	563 mm
MAS LEDtube HF 600mm HO 10.5W 865 T5	15.5 mm	16/19 mm	549 mm	556 mm	563 mm
MAS LEDtube HF 900mm HE 11.5W 830 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm
MAS LEDtube HF 900mm HE 11.5W 840 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm
MAS LEDtube HF 900mm HE 11.5W 865 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm

# MASTER LEDtube InstantFit HF T5

## Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube HF 900mm HO 18.5W 830 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm
MAS LEDtube HF 900mm HO 18.5W 840 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm
MAS LEDtube HF 900mm HO 18.5W 865 T5	15.5 mm	16/19 mm	849 mm	856 mm	863 mm

General Information	
Cap-Base	G5
Light Technical	
Beam Angle (Nom)	200 degree(s)
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	Tube, double-ended

## Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	3000 K
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	4000 K
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	6500 K
929002352302	MAS LEDtube HF 1500mm HO 26W 830 T5 OE	3000 K
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	4000 K
929002352502	MAS LEDtube HF 1500mm HO 26W 865 T5 OE	6500 K
929001296202	MAS LEDtube HF 1500mm HO 26W 840 T5	4000 K
929003153902	MAS LEDtube HF 1500mm UO 36W 830 T5	3000 K
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	4000 K
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	6500 K
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	3000 K
929001390802	MAS LEDtube HF 600mm HE 8W 840 T5	4000 K
929001390902	MAS LEDtube HF 600mm HE 8W 865 T5	6500 K
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	3000 K

Order Code	Full Product Name	Correlated Color Temperature (Nom)
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	4000 K
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	6500 K
929001391302	MAS LEDtube HF 1500mm HE 20W 830 T5	3000 K
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	4000 K
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	6500 K
929003596202	MAS LEDtube HF 600mm HO 10.5W 830 T5	3000 K
929003596302	MAS LEDtube HF 600mm HO 10.5W 840 T5	4000 K
929003596402	MAS LEDtube HF 600mm HO 10.5W 865 T5	6500 K
929003596502	MAS LEDtube HF 900mm HO 18.5W 830 T5	3000 K
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	4000 K
929003596702	MAS LEDtube HF 900mm HO 18.5W 865 T5	6500 K
929003596802	MAS LEDtube HF 900mm HE 11.5W 830 T5	3000 K
929003596902	MAS LEDtube HF 900mm HE 11.5W 840 T5	4000 K
929003597002	MAS LEDtube HF 900mm HE 11.5W 865 T5	6500 K

## Operating and Electrical

## MASTER LEDtube InstantFit HF T5

Order Code	Full Product Name	Input Frequency	Voltage (Nom)
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	30K to 60K Hz	20-90 V
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	30K to 60K Hz	20-90 V
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	30K to 60K Hz	20-90 V
929002352302	MAS LEDtube HF 1500mm HO 26W 830 T5 OE	20K to 140K Hz	60-120 V
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	20K to 140K Hz	60-120 V
929002352502	MAS LEDtube HF 1500mm HO 26W 865 T5 OE	20K to 140K Hz	60-120 V
929001296202	MAS LEDtube HF 1500mm HO 26W 840 T5	39000-60000 Hz	100-135 V
929003153902	MAS LEDtube HF 1500mm UO 36W 830 T5	30K to 100K Hz	55-85 V
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	30K to 100K Hz	55-85 V
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	30K to 100K Hz	55-85 V
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	30K to 100K Hz	40-70 V
929001390802	MAS LEDtube HF 600mm HE 8W 840 T5	30K to 100K Hz	40-70 V
929001390902	MAS LEDtube HF 600mm HE 8W 865 T5	30K to 100K Hz	40-70 V
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	30K to 100K Hz	70-120 V

Order Code	Full Product Name	Input Frequency	Voltage (Nom)
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	30K to 100K Hz	70-120 V
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	30K to 100K Hz	70-120 V
929001391302	MAS LEDtube HF 1500mm HE 20W 830 T5	30K to 100K Hz	80-130 V
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	30K to 100K Hz	80-130 V
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	30K to 100K Hz	80-130 V
929003596202	MAS LEDtube HF 600mm HO 10.5W 830 T5	10K to 120K Hz	30-120 V
929003596302	MAS LEDtube HF 600mm HO 10.5W 840 T5	10K to 120K Hz	30-120 V
929003596402	MAS LEDtube HF 600mm HO 10.5W 865 T5	10K to 120K Hz	30-120 V
929003596502	MAS LEDtube HF 900mm HO 18.5W 830 T5	30K to 100K Hz	60-100 V
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	30K to 100K Hz	60-100 V
929003596702	MAS LEDtube HF 900mm HO 18.5W 865 T5	30K to 100K Hz	60-100 V
929003596802	MAS LEDtube HF 900mm HE 11.5W 830 T5	30K to 100K Hz	60-100 V
929003596902	MAS LEDtube HF 900mm HE 11.5W 840 T5	30K to 100K Hz	60-100 V
929003597002	MAS LEDtube HF 900mm HE 11.5W 865 T5	30K to 100K Hz	60-100 V

### Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	55 °C
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	55 °C
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	55 °C
929002352302	MAS LEDtube HF 1500mm HO 26W 830 T5 OE	50 °C
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	50 °C
929002352502	MAS LEDtube HF 1500mm HO 26W 865 T5 OE	50 °C
929001296202	MAS LEDtube HF 1500mm HO 26W 840 T5	45 °C
929003153902	MAS LEDtube HF 1500mm UO 36W 830 T5	75 °C
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	75 °C
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	75 °C
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	65 °C
929001390802	MAS LEDtube HF 600mm HE 8W 840 T5	65 °C
929001390902	MAS LEDtube HF 600mm HE 8W 865 T5	65 °C
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	65 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	65 °C
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	65 °C
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
929003596202	MAS LEDtube HF 600mm HO 10.5W 830 T5	55 °C
929003596302	MAS LEDtube HF 600mm HO 10.5W 840 T5	55 °C
929003596402	MAS LEDtube HF 600mm HO 10.5W 865 T5	55 °C
929003596502	MAS LEDtube HF 900mm HO 18.5W 830 T5	60 °C
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	60 °C
929003596702	MAS LEDtube HF 900mm HO 18.5W 865 T5	60 °C
929003596802	MAS LEDtube HF 900mm HE 11.5W 830 T5	55 °C
929003596902	MAS LEDtube HF 900mm HE 11.5W 840 T5	55 °C
929003597002	MAS LEDtube HF 900mm HE 11.5W 865 T5	55 °C

### Controls and Dimming

## MASTER LEDtube InstantFit HF T5

Order Code	Full Product Name	Dimmable
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	Yes - Check ballast compatibility
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	Yes - Check ballast compatibility
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	Yes - Check ballast compatibility
929002352302	MAS LEDtube HF 1500mm HO 26W 830 T5 OE	Yes - Check ballast compatibility
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	Yes - Check ballast compatibility
929002352502	MAS LEDtube HF 1500mm HO 26W 865 T5 OE	Yes - Check ballast compatibility
929001296202	MAS LEDtube HF 1500mm HO 26W 840 T5	No
929003153902	MAS LEDtube HF 1500mm UO 36W 830 T5	Yes - Check ballast compatibility
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	Yes - Check ballast compatibility
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	Yes - Check ballast compatibility
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	Yes - Check ballast compatibility
929001390802	MAS LEDtube HF 600mm HE 8W 840 T5	Yes - Check ballast compatibility
929001390902	MAS LEDtube HF 600mm HE 8W 865 T5	Yes - Check ballast compatibility
929001391002	MAS LEDtube HF 1200mm HE 16.5W 830 T5	Yes - Check ballast compatibility

Order Code	Full Product Name	Dimmable
929001391102	MAS LEDtube HF 1200mm HE 16.5W 840 T5	Yes - Check ballast compatibility
929001391202	MAS LEDtube HF 1200mm HE 16.5W 865 T5	Yes - Check ballast compatibility
929001391302	MAS LEDtube HF 1500mm HE 20W 830 T5	Yes - Check ballast compatibility
929001391402	MAS LEDtube HF 1500mm HE 20W 840 T5	Yes - Check ballast compatibility
929001391502	MAS LEDtube HF 1500mm HE 20W 865 T5	Yes - Check ballast compatibility
929003596202	MAS LEDtube HF 600mm HO 10.5W 830 T5	Yes - Check ballast compatibility
929003596302	MAS LEDtube HF 600mm HO 10.5W 840 T5	Yes - Check ballast compatibility
929003596402	MAS LEDtube HF 600mm HO 10.5W 865 T5	Yes - Check ballast compatibility
929003596502	MAS LEDtube HF 900mm HO 18.5W 830 T5	Yes - Check ballast compatibility
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	Yes - Check ballast compatibility
929003596702	MAS LEDtube HF 900mm HO 18.5W 865 T5	Yes - Check ballast compatibility
929003596802	MAS LEDtube HF 900mm HE 11.5W 830 T5	Yes - Check ballast compatibility
929003596902	MAS LEDtube HF 900mm HE 11.5W 840 T5	Yes - Check ballast compatibility
929003597002	MAS LEDtube HF 900mm HE 11.5W 865 T5	Yes - Check ballast compatibility

### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929002352002	MAS LEDtube HF 1200mm HO 26W 830 T5 OE	26 kWh
929002352102	MAS LEDtube HF 1200mm HO 26W 840 T5 OE	26 kWh
929002352202	MAS LEDtube HF 1200mm HO 26W 865 T5 OE	26 kWh
929002352302	MAS LEDtube HF 1500mm HO 26W 830 T5 OE	26 kWh
929002352402	MAS LEDtube HF 1500mm HO 26W 840 T5 OE	26 kWh
929002352502	MAS LEDtube HF 1500mm HO 26W 865 T5 OE	26 kWh
929001296202	MAS LEDtube HF 1500mm HO 26W 840 T5	31 kWh
929003153902	MAS LEDtube HF 1500mm UO 36W 830 T5	36 kWh
929003154002	MAS LEDtube HF 1500mm UO 36W 840 T5	36 kWh
929003154102	MAS LEDtube HF 1500mm UO 36W 865 T5	36 kWh
929001390702	MAS LEDtube HF 600mm HE 8W 830 T5	8 kWh
929001390802	MAS LEDtube HF 600mm HE 8W 840 T5	8 kWh
929001390902	MAS LEDtube HF 600mm HE 8W 865 T5	8 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
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
929003596202	MAS LEDtube HF 600mm HO 10.5W 830 T5	11 kWh
929003596302	MAS LEDtube HF 600mm HO 10.5W 840 T5	11 kWh
929003596402	MAS LEDtube HF 600mm HO 10.5W 865 T5	11 kWh
929003596502	MAS LEDtube HF 900mm HO 18.5W 830 T5	19 kWh
929003596602	MAS LEDtube HF 900mm HO 18.5W 840 T5	19 kWh
929003596702	MAS LEDtube HF 900mm HO 18.5W 865 T5	19 kWh
929003596802	MAS LEDtube HF 900mm HE 11.5W 830 T5	12 kWh
929003596902	MAS LEDtube HF 900mm HE 11.5W 840 T5	12 kWh
929003597002	MAS LEDtube HF 900mm HE 11.5W 865 T5	12 kWh

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