



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

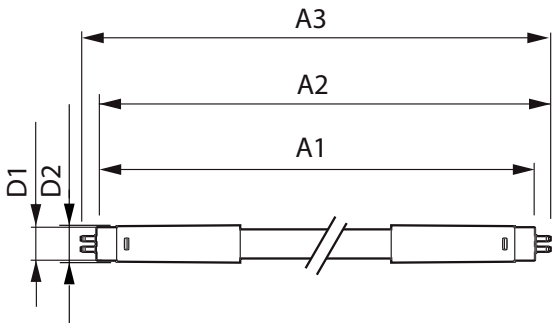
- Retrofit existing T5 lamps with HF ballast
- Compatible with a wide range of ballasts
- > 50% energy savings compared to fluorescent tubes with up to 155 lm/W
- Extra-long life up to 60,000 hours
- Ultra output up to 5,600 lm
- Enable implementation of HACCP, supported by product level NSF certificate
- 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 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 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 HE 11.5W 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
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	T5

Light Technical

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Code	Luminous Flux
74951400	Master LEDtube HF 1200mm HO 26W 830 T5 OE	3000 K	830	3,700 lm
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	4000 K	840	3,900 lm
74955200	Master LEDtube HF 1200mm HO 26W 865 T5 OE	6500 K	865	3,900 lm
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	4000 K	840	3,900 lm
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	6500 K	865	3,900 lm
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	4000 K	840	5,600 lm
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	6500 K	865	5,600 lm

MASTER LEDtube InstantFit HF T5

Order Code	Full Product Name	Correlated Colour	Colour	Luminous Flux
		Temperature (Nom)	Code	
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	3000 K	830	2,300 lm
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	4000 K	840	2,500 lm
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	6500 K	865	2,500 lm
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	3000 K	830	2,800 lm
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	4000 K	840	3,000 lm
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	6500 K	865	3,000 lm
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	4000 K	840	1,700 lm
30966100	Master LEDtube HF 600mm HE 7W 830 T5	3000 K	830	1,000 lm
30970800	Master 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
74951400	Master LEDtube HF 1200mm HO 26W 830 T5 OE	30 K to 60 K Hz	30K to 60K Hz	26 W
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	30 K to 60 K Hz	30K to 60K Hz	26 W
74955200	Master LEDtube HF 1200mm HO 26W 865 T5 OE	30 K to 60 K Hz	30K to 60K Hz	26 W
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	20 K to 140 K Hz	20K to 140K Hz	26 W
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	20 K to 140 K Hz	20K to 140K Hz	26 W
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	30 K to 100 K Hz	30K to 100K Hz	36 W
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	30 K to 100 K Hz	30K to 100K Hz	36 W
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	30 K to 100 K Hz	30K to 100K Hz	16.5 W

Order Code	Full Product Name	Input frequency	Line Frequency	Power
				Consumption
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	30 K to 100 K Hz	30K to 100K Hz	16.5 W
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	30 K to 100 K Hz	30K to 100K Hz	16.5 W
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	30 K to 100 K Hz	30K to 100K Hz	20 W
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	30 K to 100 K Hz	30K to 100K Hz	20 W
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	30 K to 100 K Hz	30K to 100K Hz	20 W
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	30 K to 100 K Hz	30K to 100K Hz	11.5 W
30966100	Master LEDtube HF 600mm HE 7W 830 T5	30 K to 100 K Hz	-	7 W
30970800	Master 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.)
74951400	Master LEDtube HF 1200mm HO 26W 830 T5 OE	50 °C
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	50 °C
74955200	Master LEDtube HF 1200mm HO 26W 865 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

Order Code	Full Product Name	T-Case maximum (nom.)
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	75 °C
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	75 °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

MASTER LEDtube InstantFit HF T5

Order Code	Full Product Name	T-Case maximum (nom.)
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

Order Code	Full Product Name	T-Case maximum (nom.)
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	55 °C
30966100	Master LEDtube HF 600mm HE 7W 830 T5	50 °C
30970800	Master LEDtube HF 600mm HE 7W 865 T5	50 °C

Controls and Dimming

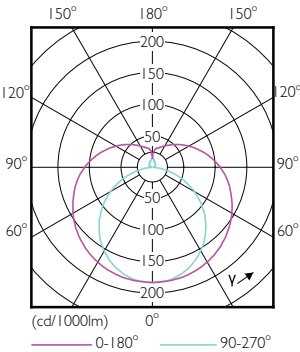
Order Code	Full Product Name	Dimmable
74951400	Master LEDtube HF 1200mm HO 26W 830 T5 OE	Yes – Check ballast compatibility
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	Yes – Check ballast compatibility
74955200	Master LEDtube HF 1200mm HO 26W 865 T5 OE	Yes – Check ballast compatibility
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	Yes – Check ballast compatibility
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	Yes – Check ballast compatibility
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	Yes – Check ballast compatibility
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	No
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	Yes – Check ballast compatibility

Order Code	Full Product Name	Dimmable
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	Yes – Check ballast compatibility
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	Yes – Check ballast compatibility
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	Yes – Check ballast compatibility
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	Yes – Check ballast compatibility
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	Yes – Check ballast compatibility
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	Yes – Check ballast compatibility
30966100	Master LEDtube HF 600mm HE 7W 830 T5	Yes – Check ballast compatibility
30970800	Master LEDtube HF 600mm HE 7W 865 T5	Yes – Check ballast compatibility

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/1,000 hours
74951400	Master LEDtube HF 1200mm HO 26W 830 T5 OE	-20°C to 45°C	26 kWh
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	-20°C to 45°C	26 kWh
74955200	Master LEDtube HF 1200mm HO 26W 865 T5 OE	-20°C to 45°C	26 kWh
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	-20°C to 45°C	26 kWh
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	-20°C to 45°C	26 kWh
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	-20°C to 45°C	36 kWh
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	-20°C to 45°C	36 kWh
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	-20°C to 45°C	17 kWh
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	-20°C to 45°C	17 kWh
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	-20°C to 45°C	17 kWh
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	-20°C to 45°C	20 kWh

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/1,000 hours
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	-20°C to 45°C	20 kWh
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	-20°C to 45°C	20 kWh
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	-20°C to 45°C	12 kWh
30966100	Master LEDtube HF 600mm HE 7W 830 T5	-20 to +45 °C	7 kWh
30970800	Master LEDtube HF 600mm HE 7W 865 T5	-20 to +45 °C	7 kWh



MASTER LEDtube InstantFit HF T5

