



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

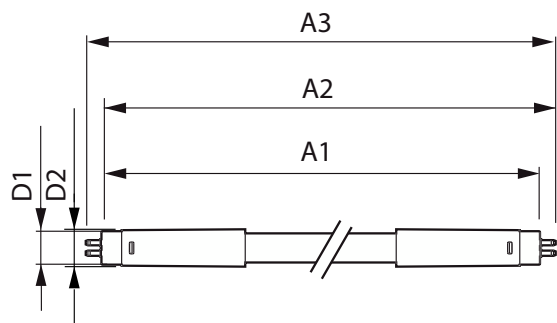
- Retrofit existing T5 lamps with HF ballast
- Compatible with a wide range of ballasts
- > 50% energy savings compared to fluorescent tubes with up to 155lm/W
- Extra-long life up to 60,000 hours
- Ultra output up to 5600lm
- Enable implementation of HACCP, supported by product level NSF certificate
- 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 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 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 7W 830 T5	15.7 mm	19 mm	549 mm	556 mm	563 mm
MAS LEDtube HF 600mm HE 7W 840 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 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

MASTER LEDtube InstantFit HF T5

Dimensional drawing

Product	D1	D2	A1	A2	A3
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
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
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 (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T5

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color 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
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	3000 K	830	3,700 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
41905600	Master LEDtube HF 1500mm UO 36W 830 T5	3000 K	830	5,200 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
74323200	Master LEDtube HF 600mm HE 8W 830 T5	3000 K	830	1,000 lm
74325600	Master LEDtube HF 600mm HE 8W 840 T5	4000 K	840	1,050 lm
74327000	Master LEDtube HF 600mm HE 8W 865 T5	6500 K	865	1,050 lm
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
16307200	Master LEDtube HF 600mm HO 10.5W 830 T5	3000 K	830	1,500 lm
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	4000 K	840	1,600 lm
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	6500 K	865	1,600 lm
16313300	Master LEDtube HF 900mm HO 18.5W 830 T5	3000 K	830	2,600 lm
16315700	Master LEDtube HF 900mm HO 18.5W 840 T5	4000 K	840	2,800 lm
16317100	Master LEDtube HF 900mm HO 18.5W 865 T5	6500 K	865	2,800 lm
16319500	Master LEDtube HF 900mm HE 11.5W 830 T5	3000 K	830	1,600 lm
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	4000 K	840	1,700 lm
16323200	Master LEDtube HF 900mm HE 11.5W 865 T5	6500 K	865	1,700 lm
30966100	Master LEDtube HF 600mm HE 7W 830 T5	3000 K	830	1,000 lm

MASTER LEDtube InstantFit HF T5

Order Code	Full Product Name	Correlated Color	Color	Luminous Flux
		Temperature (Nom)	Code	
30968500	Master LEDtube HF 600mm HE 7W 840 T5	4000 K	840	1,050 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	Order Code	Full Product Name	Input Frequency	Line Frequency	Power
				Consumption					Consumption
74951400	Master LEDtube HF 1200mm HO 26W 830 T5 OE	30K to 60K Hz	30K to 60K Hz	26 W	74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	30K to 100K Hz	30K to 100K Hz	16.5 W
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	30K to 60K Hz	30K to 60K Hz	26 W	74335500	Master LEDtube HF 1500mm HE 20W 830 T5	30K to 100K Hz	30K to 100K Hz	20 W
74955200	Master LEDtube HF 1200mm HO 26W 865 T5 OE	30K to 60K Hz	30K to 60K Hz	26 W	74337900	Master LEDtube HF 1500mm HE 20W 840 T5	30K to 100K Hz	30K to 100K Hz	20 W
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	20K to 140K Hz	20K to 140K Hz	26 W	74339300	Master LEDtube HF 1500mm HE 20W 865 T5	30K to 100K Hz	30K to 100K Hz	20 W
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	20K to 140K Hz	20K to 140K Hz	26 W	16307200	Master LEDtube HF 600mm HO 10.5W 830 T5	10K to 120K Hz	10K to 120K Hz	10.5 W
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	20K to 140K Hz	20K to 140K Hz	26 W	16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	10K to 120K Hz	10K to 120K Hz	10.5 W
41905600	Master LEDtube HF 1500mm UO 36W 830 T5	30K to 100K Hz	30K to 100K Hz	36 W	16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	10K to 120K Hz	10K to 120K Hz	10.5 W
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	30K to 100K Hz	30K to 100K Hz	36 W	16313300	Master LEDtube HF 900mm HO 18.5W 830 T5	30K to 100K Hz	30K to 100K Hz	18.5 W
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	30K to 100K Hz	30K to 100K Hz	36 W	16315700	Master LEDtube HF 900mm HO 18.5W 840 T5	30K to 100K Hz	30K to 100K Hz	18.5 W
74323200	Master LEDtube HF 600mm HE 8W 830 T5	30K to 100K Hz	30K to 100K Hz	8 W	16317100	Master LEDtube HF 900mm HO 18.5W 865 T5	30K to 100K Hz	30K to 100K Hz	18.5 W
74325600	Master LEDtube HF 600mm HE 8W 840 T5	30K to 100K Hz	30K to 100K Hz	8 W	16319500	Master LEDtube HF 900mm HE 11.5W 830 T5	30K to 100K Hz	30K to 100K Hz	11.5 W
74327000	Master LEDtube HF 600mm HE 8W 865 T5	30K to 100K Hz	30K to 100K Hz	8 W	16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	30K to 100K Hz	30K to 100K Hz	11.5 W
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	30K to 100K Hz	30K to 100K Hz	16.5 W	16323200	Master LEDtube HF 900mm HE 11.5W 865 T5	30K to 100K Hz	30K to 100K Hz	11.5 W
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	30K to 100K Hz	30K to 100K Hz	16.5 W	30966100	Master LEDtube HF 600mm HE 7W 830 T5	30K to 100K Hz	-	7 W

MASTER LEDtube InstantFit HF T5

Order Code	Full Product Name	Input Frequency	Power	
			Line Frequency	Consumption
30968500	Master LEDtube HF 600mm HE 7W 840 T5	30K to 100K Hz	-	7 W

Order Code	Full Product Name	Input Frequency	Power	
			Line Frequency	Consumption
30970800	Master LEDtube HF 600mm HE 7W 865 T5	30K to 100K 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
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
41905600	Master LEDtube HF 1500mm UO 36W 830 T5	75 °C
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	75 °C
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	75 °C
74323200	Master LEDtube HF 600mm HE 8W 830 T5	65 °C
74325600	Master LEDtube HF 600mm HE 8W 840 T5	65 °C
74327000	Master LEDtube HF 600mm HE 8W 865 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

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
16307200	Master LEDtube HF 600mm HO 10.5W 830 T5	55 °C
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	55 °C
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	55 °C
16313300	Master LEDtube HF 900mm HO 18.5W 830 T5	60 °C
16315700	Master LEDtube HF 900mm HO 18.5W 840 T5	60 °C
16317100	Master LEDtube HF 900mm HO 18.5W 865 T5	60 °C
16319500	Master LEDtube HF 900mm HE 11.5W 830 T5	55 °C
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	55 °C
16323200	Master LEDtube HF 900mm HE 11.5W 865 T5	55 °C
30966100	Master LEDtube HF 600mm HE 7W 830 T5	50 °C
30968500	Master LEDtube HF 600mm HE 7W 840 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
74957600	Master LEDtube HF 1500mm HO 26W 830 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
41905600	Master LEDtube HF 1500mm UO 36W 830 T5	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
74323200	Master LEDtube HF 600mm HE 8W 830 T5	Yes - Check ballast compatibility
74325600	Master LEDtube HF 600mm HE 8W 840 T5	Yes - Check ballast compatibility
74327000	Master LEDtube HF 600mm HE 8W 865 T5	Yes - Check ballast compatibility

Order Code	Full Product Name	Dimmable
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	Yes - Check ballast compatibility
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
16307200	Master LEDtube HF 600mm HO 10.5W 830 T5	Yes - Check ballast compatibility
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	Yes - Check ballast compatibility
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	Yes - Check ballast compatibility
16313300	Master LEDtube HF 900mm HO 18.5W 830 T5	Yes - Check ballast compatibility
16315700	Master LEDtube HF 900mm HO 18.5W 840 T5	Yes - Check ballast compatibility
16317100	Master LEDtube HF 900mm HO 18.5W 865 T5	Yes - Check ballast compatibility

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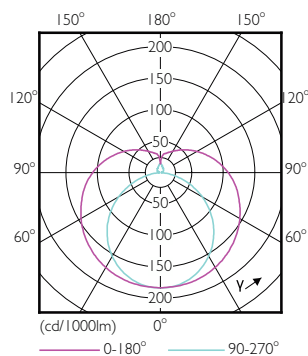
Order Code	Full Product Name	Dimmable
16319500	Master LEDtube HF 900mm HE 11.5W 830 T5	Yes - Check ballast compatibility
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	Yes - Check ballast compatibility
16323200	Master LEDtube HF 900mm HE 11.5W 865 T5	Yes - Check ballast compatibility

Order Code	Full Product Name	Dimmable
30966100	Master LEDtube HF 600mm HE 7W 830 T5	Yes - Check ballast compatibility
30968500	Master LEDtube HF 600mm HE 7W 840 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/1000 h
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
74957600	Master LEDtube HF 1500mm HO 26W 830 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
41905600	Master LEDtube HF 1500mm UO 36W 830 T5	-20 °C to 45 °C	36 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
74323200	Master LEDtube HF 600mm HE 8W 830 T5	-20 °C to 45 °C	8 kWh
74325600	Master LEDtube HF 600mm HE 8W 840 T5	-20 °C to 45 °C	8 kWh
74327000	Master LEDtube HF 600mm HE 8W 865 T5	-20 °C to 45 °C	8 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
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
16307200	Master LEDtube HF 600mm HO 10.5W 830 T5	-20 °C to 45 °C	11 kWh
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	-20 °C to 45 °C	11 kWh

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	-20 °C to 45 °C	11 kWh
16313300	Master LEDtube HF 900mm HO 18.5W 830 T5	-20 °C to 45 °C	19 kWh
16315700	Master LEDtube HF 900mm HO 18.5W 840 T5	-20 °C to 45 °C	19 kWh
16317100	Master LEDtube HF 900mm HO 18.5W 865 T5	-20 °C to 45 °C	19 kWh
16319500	Master LEDtube HF 900mm HE 11.5W 830 T5	-20 °C to 45 °C	12 kWh
16321800	Master LEDtube HF 900mm HE 11.5W 840 T5	-20 °C to 45 °C	12 kWh
16323200	Master LEDtube HF 900mm HE 11.5W 865 T5	-20 °C to 45 °C	12 kWh
30966100	Master LEDtube HF 600mm HE 7W 830 T5	-20 to +45 °C	7 kWh
30968500	Master LEDtube HF 600mm HE 7W 840 T5	-20 to +45 °C	7 kWh
30970800	Master LEDtube HF 600mm HE 7W 865 T5	-20 to +45 °C	7 kWh



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