



For top performance and sustainability

MASTER LED tube 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

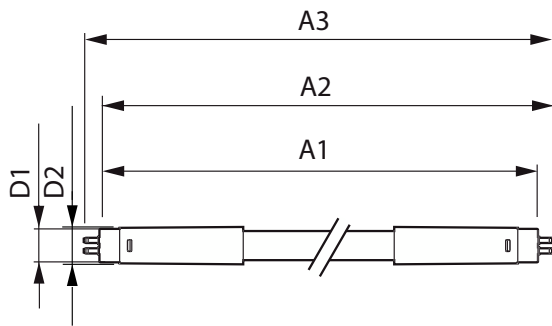
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Versions



LEDtube MAS G5

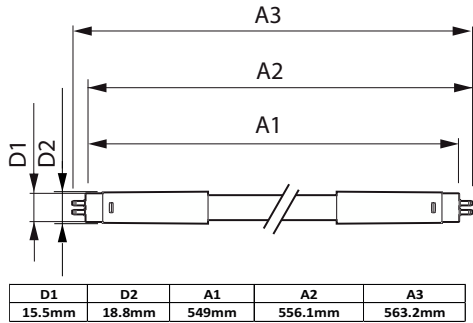
Dimensional drawing



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 840 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 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 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 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

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Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube HF 600mm HE 8W 840 T5 AP	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm

General Information	
Cap-Base	G5
Switching Cycle	50,000
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	T5

General Information

Order Code	Full Product Name	Nominal lifetime
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	60,000 hour(s)
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	60,000 hour(s)
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	60,000 hour(s)
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	60,000 hour(s)
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	60,000 hour(s)
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	60,000 hour(s)
74323200	Master LEDtube HF 600mm HE 8W 830 T5	60,000 hour(s)
74325600	Master LEDtube HF 600mm HE 8W 840 T5	60,000 hour(s)
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	60,000 hour(s)

Order Code	Full Product Name	Nominal lifetime
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	60,000 hour(s)
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	60,000 hour(s)
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	60,000 hour(s)
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	60,000 hour(s)
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	60,000 hour(s)
75382800	Master LEDtube HF 600mm HE 8W 840 T5 AP	50,000 hour(s)
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	60,000 hour(s)
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	60,000 hour(s)
30966100	Master LEDtube HF 600mm HE 7W 830 T5	60,000 hour(s)

Light Technical

Order Code	Full Product Name	Correlated			
		Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	4000 K	80	840	3,900 lm

Order Code	Full Product Name	Correlated			
		Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	3000 K	80	830	3,700 lm

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Order Code	Full Product Name	Correlated			
		Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	4000 K	80	840	3,900 lm
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	6500 K	80	865	3,900 lm
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	4000 K	80	840	5,600 lm
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	6500 K	80	865	5,600 lm
74323200	Master LEDtube HF 600mm HE 8W 830 T5	3000 K	80	830	1,000 lm
74325600	Master LEDtube HF 600mm HE 8W 840 T5	4000 K	80	840	1,050 lm
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	3000 K	80	830	2,300 lm
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	4000 K	80	840	2,500 lm

Order Code	Full Product Name	Correlated			
		Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	6500 K	80	865	2,500 lm
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	3000 K	80	830	2,800 lm
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	4000 K	80	840	3,000 lm
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	6500 K	80	865	3,000 lm
75382800	Master LEDtube HF 600mm HE 8W 840 T5 AP	4000 K	83	840	1,050 lm
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	4000 K	80	840	1,600 lm
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	6500 K	80	865	1,600 lm
30966100	Master LEDtube HF 600mm HE 7W 830 T5	3000 K	80	830	1,000 lm

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
74953800	Master LEDtube HF 1200mm HO 26W 840 T5 OE	30K to 60K Hz	30K to 60K Hz	26 W	-
74957600	Master LEDtube HF 1500mm HO 26W 830 T5 OE	20K to 140K Hz	20K to 140K Hz	26 W	-
74959000	Master LEDtube HF 1500mm HO 26W 840 T5 OE	20K to 140K Hz	20K to 140K Hz	26 W	-
74961300	Master LEDtube HF 1500mm HO 26W 865 T5 OE	20K to 140K Hz	20K to 140K Hz	26 W	-

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	30K to 100K Hz	30K to 100K Hz	36 W	-
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	30K to 100K Hz	30K to 100K Hz	36 W	-
74323200	Master LEDtube HF 600mm HE 8W 830 T5	30K to 100K Hz	30K to 100K Hz	8 W	-
74325600	Master LEDtube HF 600mm HE 8W 840 T5	30K to 100K Hz	30K to 100K Hz	8 W	-
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	30K to 100K Hz	30K to 100K Hz	16.5 W	-

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Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
74331700	Master LEDtube HF 1200mm HE 16.5W 840 T5	30K to 100K Hz	30K to 100K Hz	16.5 W	-
74333100	Master LEDtube HF 1200mm HE 16.5W 865 T5	30K to 100K Hz	30K to 100K Hz	16.5 W	-
74335500	Master LEDtube HF 1500mm HE 20W 830 T5	30K to 100K Hz	30K to 100K Hz	20 W	-
74337900	Master LEDtube HF 1500mm HE 20W 840 T5	30K to 100K Hz	30K to 100K Hz	20 W	-
74339300	Master LEDtube HF 1500mm HE 20W 865 T5	30K to 100K Hz	30K to 100K Hz	20 W	-

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
75382800	Master LEDtube HF 600mm HE 8W 840 T5 AP	35K to 70K Hz	-	8 W	14 W
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	10K to 120K Hz	10K to 120K Hz	10.5 W	-
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	10K to 120K Hz	10K to 120K Hz	10.5 W	-
30966100	Master LEDtube HF 600mm HE 7W 830 T5	30K to 100K Hz	-	7 W	-

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
74953800	Master LEDtube HF 1200mm HO 26W 840 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
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
74329400	Master LEDtube HF 1200mm HE 16.5W 830 T5	65 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
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
75382800	Master LEDtube HF 600mm HE 8W 840 T5 AP	40 °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
30966100	Master LEDtube HF 600mm HE 7W 830 T5	50 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
74953800	Master LEDtube HF 1200mm HO 26W 840 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
41907000	Master LEDtube HF 1500mm UO 36W 840 T5	Yes - Check ballast compatibility
41909400	Master LEDtube HF 1500mm UO 36W 865 T5	Yes - Check ballast compatibility
74323200	Master LEDtube HF 600mm HE 8W 830 T5	Yes - Check ballast compatibility

Order Code	Full Product Name	Dimmable
74325600	Master LEDtube HF 600mm HE 8W 840 T5	Yes - Check ballast compatibility
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

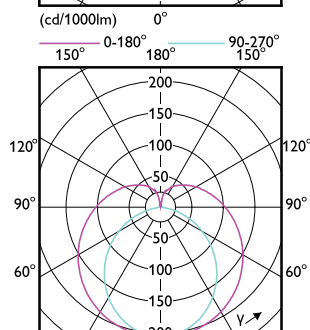
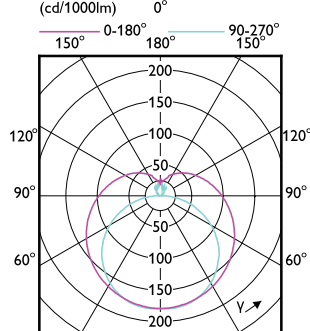
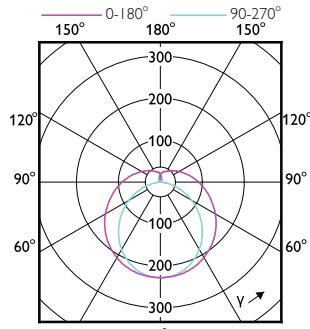
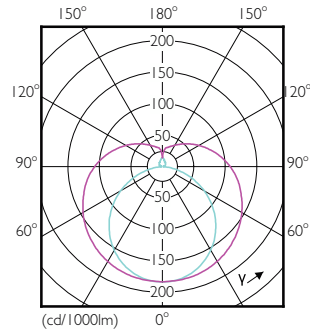
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Order Code	Full Product Name	Dimmable
75382800	Master LEDtube HF 600mm HE 8W 840 T5 AP	No
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	Yes - Check ballast compatibility

Order Code	Full Product Name	Dimmable
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	Yes - Check ballast compatibility
30966100	Master LEDtube HF 600mm HE 7W 830 T5	Yes - Check ballast compatibility

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
74953800	Master LEDtube HF 1200mm HO 26W 840 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
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
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
75382800	Master LEDtube HF 600mm HE 8W 840 T5 AP	-20 to +45 °C	10 kWh
16309600	Master LEDtube HF 600mm HO 10.5W 840 T5	-20 °C to 45 °C	11 kWh
16311900	Master LEDtube HF 600mm HO 10.5W 865 T5	-20 °C to 45 °C	11 kWh
30966100	Master LEDtube HF 600mm HE 7W 830 T5	-20 to +45 °C	7 kWh



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