The new generation of Mains T5 LEDtube lighting

MASTER LEDtube Mains T5

The new Philips Master LEDtube Mains T5 brings simplicity to your lighting project. You don't need to pay attention to the driver technology anymore. Thanks to a unique design, Philips MASTER LEDtube Mains T5 installs in luminaires operating on mains power connection. So simple to operate! . Perfectly safe, reliable &and easy to install, the Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximise value over lifetime with high energy savings and lower maintenance costs.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to a longer lifetime than conventional lamps
- The fastest and easiest way to upgrade existing luminaires to LED
- technology; completely safe product and installation process

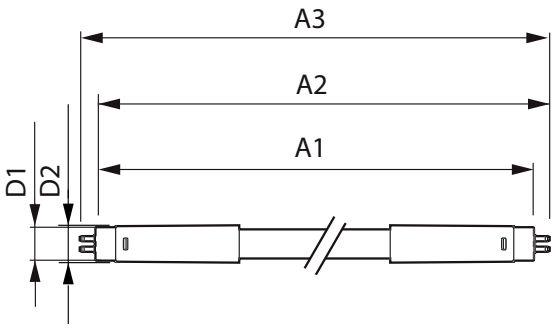
Features

- Replacement of existing T5 lamps: operates with mains power connection
- Energy savings compared with fluorescent tubes
- Long lifetime
- No mercury

Application

- Offices, shops, classroms
- Industrial facilities and warehouses

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HE 16.5W 830 T5	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube 1200mm HE 16.5W 840 T5	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube 1200mm HE 16.5W 865 T5	15.8 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube 1200mm HE 16.5W 865 T5 EU	15.7 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube 1500mm HE 20W 830 T5	15.8 mm	19 mm	1,449 mm	1,454.9 mm	1,463.2 mm
MAS LEDtube 1500mm HE 20W 840 T5	15.8 mm	19 mm	1,449 mm	1,454.9 mm	1,463.2 mm
MAS LEDtube 1500mm HE 20W 840 T5 EU	15.7 mm	19 mm	1,449 mm	1,456.1 mm	1,463.2 mm
MAS LEDtube 1500mm HE 20W 865 T5	15.8 mm	19 mm	1,449 mm	1,454.9 mm	1,463.2 mm
MAS LEDtube 1500mm HO 26W 830 T5	15.5 mm	17.1 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube 1500mm HO 26W 840 T5	15.5 mm	17.1 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube 1500mm HO 26W 865 T5	15.5 mm	17.1 mm	1,449 mm	1,456 mm	1,463 mm
MAS LEDtube 600mm HE 8W 830 T5	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 8W 830 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 8W 840 T5	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 8W 840 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 8W 865 T5	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 8W 865 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm

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General Information	
Cap-Base	G5
Switching Cycle	200,000
Nominal lifetime	50,000 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	
Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T5

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	3000 K	830	3,600 lm
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	4000 K	840	3,900 lm
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	6500 K	865	3,900 lm
78343300	MASTER LEDtube 600mm HE 8W 830 T5	3000 K	830	1,000 lm
78345700	MASTER LEDtube 600mm HE 8W 840 T5	4000 K	840	1,050 lm
78347100	MASTER LEDtube 600mm HE 8W 865 T5	6500 K	865	1,050 lm
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	3000 K	830	2,300 lm
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	4000 K	840	2,500 lm
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	6500 K	865	2,500 lm
78355600	MASTER LEDtube 1500mm HE 20W 830 T5	3000 K	830	2,800 lm
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	4000 K	840	3,000 lm
78357000	MASTER LEDtube 1500mm HE 20W 840 T5	4000 K	840	3,000 lm
78359400	MASTER LEDtube 1500mm HE 20W 865 T5	6500 K	865	3,000 lm
33425000	MASTER LEDtube 600mm HE 8W 830 T5 EU	3000 K	830	1,000 lm
33427400	MASTER LEDtube 600mm HE 8W 840 T5 EU	4000 K	840	1,050 lm
33429800	MASTER LEDtube 600mm HE 8W 865 T5 EU	6500 K	865	1,050 lm
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	6500 K	865	2,500 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	26 W
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	26 W
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	26 W
78343300	MASTER LEDtube 600mm HE 8W 830 T5	8 W
78345700	MASTER LEDtube 600mm HE 8W 840 T5	8 W
78347100	MASTER LEDtube 600mm HE 8W 865 T5	8 W
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	16.5 W
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	16.5 W
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	16.5 W

Order Code	Full Product Name	Power Consumption
78355600	MASTER LEDtube 1500mm HE 20W 830 T5	20 W
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	20 W
78357000	MASTER LEDtube 1500mm HE 20W 840 T5	20 W
78359400	MASTER LEDtube 1500mm HE 20W 865 T5	20 W
33425000	MASTER LEDtube 600mm HE 8W 830 T5 EU	8 W
33427400	MASTER LEDtube 600mm HE 8W 840 T5 EU	8 W
33429800	MASTER LEDtube 600mm HE 8W 865 T5 EU	8 W
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	16.5 W

Temperature

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	-20 to +45 °C	65 °C
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	-20 to +45 °C	65 °C
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	-20 to +45 °C	65 °C
78343300	MASTER LEDtube 600mm HE 8W 830 T5	-20 °C to 45 °C	60 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
78345700	MASTER LEDtube 600mm HE 8W 840 T5	-20 °C to 45 °C	60 °C
78347100	MASTER LEDtube 600mm HE 8W 865 T5	-20 °C to 45 °C	60 °C
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	-20 °C to 45 °C	70 °C
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	-20 °C to 45 °C	70 °C

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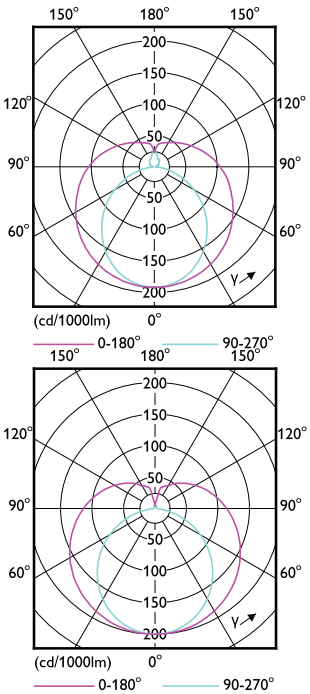
Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	-20 °C to 45 °C	70 °C
78355600	MASTER LEDtube 1500mm HE 20W 830 T5	-20 °C to 45 °C	75 °C
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	-20 to +45 °C	55 °C
78357000	MASTER LEDtube 1500mm HE 20W 840 T5	-20 °C to 45 °C	75 °C
78359400	MASTER LEDtube 1500mm HE 20W 865 T5	-20 °C to 45 °C	75 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
33425000	MASTER LEDtube 600mm HE 8W 830 T5 EU	-20 to +45 °C	50 °C
33427400	MASTER LEDtube 600mm HE 8W 840 T5 EU	-20 to +45 °C	50 °C
33429800	MASTER LEDtube 600mm HE 8W 865 T5 EU	-20 to +45 °C	50 °C
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	-20 to +45 °C	55 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	26 kWh
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	26 kWh
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	26 kWh
78343300	MASTER LEDtube 600mm HE 8W 830 T5	8 kWh
78345700	MASTER LEDtube 600mm HE 8W 840 T5	8 kWh
78347100	MASTER LEDtube 600mm HE 8W 865 T5	8 kWh
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	17 kWh
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	17 kWh
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	17 kWh
78355600	MASTER LEDtube 1500mm HE 20W 830 T5	20 kWh
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	20 kWh
78357000	MASTER LEDtube 1500mm HE 20W 840 T5	20 kWh
78359400	MASTER LEDtube 1500mm HE 20W 865 T5	20 kWh
33425000	MASTER LEDtube 600mm HE 8W 830 T5 EU	8 kWh
33427400	MASTER LEDtube 600mm HE 8W 840 T5 EU	8 kWh
33429800	MASTER LEDtube 600mm HE 8W 865 T5 EU	8 kWh
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	17 kWh



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