



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 & 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

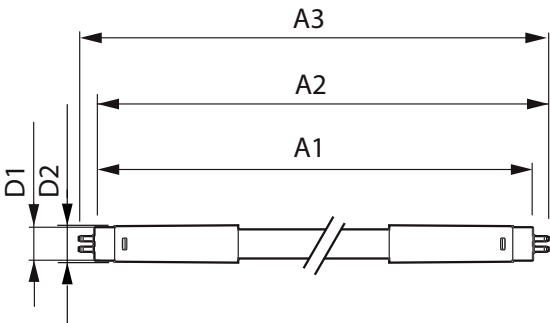
- Replacement of existing T5 lamps: operates with a mains power connection
- Energy savings compared with fluorescent tubes
- Long lifetime
- Enable implementation of HACCP, supported by product level NSF certificate
- No mercury

Application

- Offices, shops, classrooms
- Industrial facilities and warehouses

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Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HE 16.5W 830 T5 EU	15.7 mm	19 mm	1,149 mm	1,156.1 mm	1,163.2 mm
MAS LEDtube 1200mm HE 16.5W 840 T5 EU	15.7 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 1200mm HO 26W 830 T5	15.5 mm	17.1 mm	1,149 mm	1,156 mm	1,163 mm
MAS LEDtube 1200mm HO 26W 840 T5	15.5 mm	17.1 mm	1,149 mm	1,156 mm	1,163 mm
MAS LEDtube 1200mm HO 26W 865 T5	15.5 mm	17.1 mm	1,149 mm	1,156 mm	1,163 mm
MAS LEDtube 1500mm HE 20W 830 T5 EU	15.7 mm	19 mm	1,449 mm	1,456.1 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 EU	15.7 mm	19 mm	1,449 mm	1,456.1 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 1500mm UO 36W 830 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
MAS LEDtube 1500mm UO 36W 840 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
MAS LEDtube 1500mm UO 36W 865 T5	15.5 mm	18.8 mm	1,449 mm	1,456.1 mm	1,463.2 mm
MAS LEDtube 600mm HE 7W 830 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 7W 840 T5 EU	15.7 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HE 7W 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 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	
Input frequency	50 to 60 Hz
Starting time (nom.)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb shape	T5

Light Technical

Order Code	Full Product Name	Correlated Colour	Colour	
		Temperature (Nom)	Code	Luminous Flux
29050100	MASTER LEDtube 1500mm UO 36W 830 T5	3000 K	830	5,200 lm
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	4000 K	840	5,600 lm
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	6500 K	865	5,600 lm
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	3000 K	830	3,600 lm
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	4000 K	840	3,900 lm
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	6500 K	865	3,900 lm
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
33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	3000 K	830	2,800 lm
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	4000 K	840	3,000 lm
33441000	MASTER LEDtube 1500mm HE 20W 865 T5 EU	6500 K	865	3,000 lm
33431100	MASTER LEDtube 1200mm HE 16.5W 830 T5 EU	3000 K	830	2,300 lm
33433500	MASTER LEDtube 1200mm HE 16.5W 840 T5 EU	4000 K	840	2,500 lm
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	6500 K	865	2,500 lm
31169500	MASTER LEDtube 600mm HE 7W 830 T5 EU	3000 K	830	1,000 lm
30682000	MASTER LEDtube 600mm HE 7W 840 T5 EU	4000 K	840	1,050 lm
30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	6500 K	865	1,050 lm

Operating and Electrical

Order Code	Full Product Name	Line Frequency	Power Consumption	Order Code	Full Product Name	Line Frequency	Power Consumption
29050100	MASTER LEDtube 1500mm UO 36W 830 T5	50 to 60 Hz	36 W	33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	50 to 60 Hz	20 W
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	50 to 60 Hz	36 W	33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	50 to 60 Hz	20 W
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	50 to 60 Hz	36 W	33441000	MASTER LEDtube 1500mm HE 20W 865 T5 EU	50 to 60 Hz	20 W
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	50 to 60 Hz	26 W	33431100	MASTER LEDtube 1200mm HE 16.5W 830 T5 EU	50 to 60 Hz	16.5 W
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	50 to 60 Hz	26 W	33433500	MASTER LEDtube 1200mm HE 16.5W 840 T5 EU	50 to 60 Hz	16.5 W
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	50 to 60 Hz	26 W	33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	50 to 60 Hz	16.5 W
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	50 to 60 Hz	26 W	31169500	MASTER LEDtube 600mm HE 7W 830 T5 EU	-	7 W
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	50 to 60 Hz	26 W	30682000	MASTER LEDtube 600mm HE 7W 840 T5 EU	-	7 W
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	50 to 60 Hz	26 W	30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	-	7 W

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Temperature

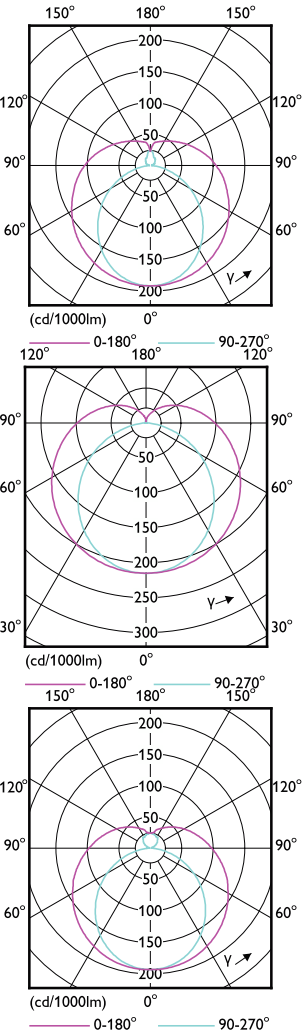
Order Code	Full Product Name	T-Case maximum (nom.)
29050100	MASTER LEDtube 1500mm UO 36W 830 T5	75 °C
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	75 °C
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	75 °C
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	65 °C
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	65 °C
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	65 °C
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	65 °C
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	65 °C
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	65 °C

Order Code	Full Product Name	T-Case maximum (nom.)
33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	55 °C
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	55 °C
33441000	MASTER LEDtube 1500mm HE 20W 865 T5 EU	55 °C
33431100	MASTER LEDtube 1200mm HE 16.5W 830 T5 EU	55 °C
33433500	MASTER LEDtube 1200mm HE 16.5W 840 T5 EU	55 °C
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	55 °C
31169500	MASTER LEDtube 600mm HE 7W 830 T5 EU	50 °C
30682000	MASTER LEDtube 600mm HE 7W 840 T5 EU	50 °C
30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	50 °C

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/1,000 hours
29050100	MASTER LEDtube 1500mm UO 36W 830 T5	-20°C to 45°C	36 kWh
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	-20°C to 45°C	36 kWh
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	-20°C to 45°C	36 kWh
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	-20 to +45 °C	26 kWh
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	-20 to +45 °C	26 kWh
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	-20 to +45 °C	26 kWh
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	-20 to +45 °C	26 kWh
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	-20 to +45 °C	26 kWh
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	-20 to +45 °C	26 kWh
33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	-20 to +45 °C	20 kWh
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	-20 to +45 °C	20 kWh
33441000	MASTER LEDtube 1500mm HE 20W 865 T5 EU	-20 to +45 °C	20 kWh
33431100	MASTER LEDtube 1200mm HE 16.5W 830 T5 EU	-20 to +45 °C	17 kWh
33433500	MASTER LEDtube 1200mm HE 16.5W 840 T5 EU	-20 to +45 °C	17 kWh
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	-20 to +45 °C	17 kWh
31169500	MASTER LEDtube 600mm HE 7W 830 T5 EU	-20 to +45 °C	7 kWh
30682000	MASTER LEDtube 600mm HE 7W 840 T5 EU	-20 to +45 °C	7 kWh

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/1,000 hours
30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	-20 to +45 °C	7 kWh



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