



# 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 Philips MASTER LEDtube Mains T5 is the ideal alternative to standard fluorescent tubes to maximize value over lifetime with high energy saving and lower maintenance costs.

### Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to longer lifetime than conventional lamps
- Fastest and easiest way to upgrade existing luminaires to LEDtechnology; 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, classrooms
- Industrial facilities and warehouses

## MASTER LEDtube Mains T5

### Versions

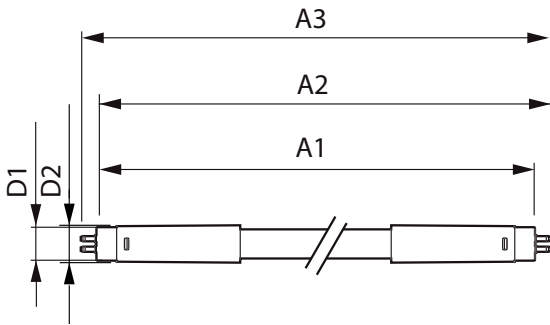


LEDtube G5

G5 Tube, double-ended Frosted

# MASTER LEDtube Mains T5

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MASTER LEDtube 1200mm HO 26W 830 T5	15 mm	16.9 mm	1149 mm	1156.1 mm	1163.2 mm
MASTER LEDtube 1500mm HO 26W 830 T5	15 mm	16.9 mm	1449 mm	1456.1 mm	1463.2 mm
MASTER LEDtube 1200mm HO 26W 865 T5	15 mm	16.9 mm	1149 mm	1156.1 mm	1163.2 mm
MASTER LEDtube 1200mm HO 26W 840 T5	15 mm	16.9 mm	1149 mm	1156.1 mm	1163.2 mm
MASTER LEDtube 1500mm HO 26W 865 T5	15 mm	16.9 mm	1449 mm	1456.1 mm	1463.2 mm
MASTER LEDtube 1500mm HO 26W 840 T5	15 mm	16.9 mm	1449 mm	1456.1 mm	1463.2 mm
MAS LEDtube 1200mm HE 16.5W 865 T5	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
MAS LEDtube 1500mm HE 20W 840 T5	15.8 mm	19 mm	1449 mm	1454.9 mm	1463.2 mm
MAS LEDtube 600mm HE 8W 865 T5	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 1500mm HE 20W 830 T5	15.8 mm	19 mm	1449 mm	1454.9 mm	1463.2 mm
MAS LEDtube 600mm HE 8W 840 T5	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 1200mm HE 16.5W 840 T5	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
MAS LEDtube 600mm HE 8W 830 T5	15.8 mm	19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 1200mm HE 16.5W 830 T5	15.8 mm	19 mm	1149 mm	1156.1 mm	1163.2 mm
MAS LEDtube 1500mm HE 20W 865 T5	15.8 mm	19 mm	1449 mm	1454.9 mm	1463.2 mm
MAS LEDtube 1500mm UO 36W 840 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm
MAS LEDtube 1500mm UO 36W 865 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm
MAS LEDtube 1500mm UO 36W 830 T5	15.5 mm	18.8 mm	1449 mm	1456.1 mm	1463.2 mm

# MASTER LEDtube Mains T5

## Approval and Application

Energy Efficiency Label (EEL) A++

## Controls and Dimming

Dimmable No

## Operating and Electrical

Input Frequency 50 to 60 Hz

Starting Time (Nom) 0.5 s

## General Information

Cap-Base G5

Nominal Lifetime (Nom) 50000 h

Switching Cycle 200000X

## Light Technical

Beam Angle (Nom) 200 °

Color Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

## Mechanical and Housing

Bulb Shape Tube, double-ended

## Temperature

T-Ambient (Max) 45 °C

T-Ambient (Min) -20 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	26 kWh
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	26 kWh
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	26 kWh
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	MAS LEDtube 600mm HE 8W 830 T5	8 kWh
78345700	MAS LEDtube 600mm HE 8W 840 T5	8 kWh
78347100	MAS LEDtube 600mm HE 8W 865 T5	8 kWh
78349500	MAS LEDtube 1200mm HE 16.5W 830 T5	17 kWh
78351800	MAS LEDtube 1200mm HE 16.5W 840 T5	17 kWh
78353200	MAS LEDtube 1200mm HE 16.5W 865 T5	17 kWh
78355600	MAS LEDtube 1500mm HE 20W 830 T5	20 kWh
78357000	MAS LEDtube 1500mm HE 20W 840 T5	20 kWh
78359400	MAS LEDtube 1500mm HE 20W 865 T5	20 kWh
29050100	MAS LEDtube 1500mm UO 36W 830 T5	36 kWh
29052500	MAS LEDtube 1500mm UO 36W 840 T5	36 kWh
29054900	MAS LEDtube 1500mm UO 36W 865 T5	36 kWh

## Operating and Electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	220-240 V	26 W
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	220-240 V	26 W
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	220-240 V	26 W
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	220-240 V	26 W
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	220-240 V	26 W
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	220-240 V	26 W
78343300	MAS LEDtube 600mm HE 8W 830 T5	100-240 V	8 W
78345700	MAS LEDtube 600mm HE 8W 840 T5	100-240 V	8 W

Order Code	Full Product Name	Voltage (Nom)	Power (Rated) (Nom)
78347100	MAS LEDtube 600mm HE 8W 865 T5	100-240 V	8 W
78349500	MAS LEDtube 1200mm HE 16.5W 830 T5	100-240 V	16.5 W
78351800	MAS LEDtube 1200mm HE 16.5W 840 T5	100-240 V	16.5 W
78353200	MAS LEDtube 1200mm HE 16.5W 865 T5	100-240 V	16.5 W
78355600	MAS LEDtube 1500mm HE 20W 830 T5	100-240 V	20 W
78357000	MAS LEDtube 1500mm HE 20W 840 T5	100-240 V	20 W
78359400	MAS LEDtube 1500mm HE 20W 865 T5	100-240 V	20 W
29050100	MAS LEDtube 1500mm UO 36W 830 T5	220-240 V	36 W
29052500	MAS LEDtube 1500mm UO 36W 840 T5	220-240 V	36 W
29054900	MAS LEDtube 1500mm UO 36W 865 T5	220-240 V	36 W

## Light Technical

# MASTER LEDtube Mains T5

Order Code	Full Product Name	Color Code	Correlated Color	
			Temperature (Nom)	Luminous Flux (Nom)
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	830	3000 K	3600 lm
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	840	4000 K	3900 lm
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	865	6500 K	3900 lm
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	830	3000 K	3600 lm
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	840	4000 K	3900 lm
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	865	6500 K	3900 lm
78343300	MAS LEDtube 600mm HE 8W 830 T5	830	3000 K	1000 lm
78345700	MAS LEDtube 600mm HE 8W 840 T5	840	4000 K	1050 lm
78347100	MAS LEDtube 600mm HE 8W 865 T5	865	6500 K	1050 lm

Order Code	Full Product Name	Color Code	Correlated Color	
			Temperature (Nom)	Luminous Flux (Nom)
78349500	MAS LEDtube 1200mm HE 16.5W 830 T5	830	3000 K	2300 lm
78351800	MAS LEDtube 1200mm HE 16.5W 840 T5	840	4000 K	2500 lm
78353200	MAS LEDtube 1200mm HE 16.5W 865 T5	865	6500 K	2500 lm
78355600	MAS LEDtube 1500mm HE 20W 830 T5	830	3000 K	2800 lm
78357000	MAS LEDtube 1500mm HE 20W 840 T5	840	4000 K	3000 lm
78359400	MAS LEDtube 1500mm HE 20W 865 T5	865	6500 K	3000 lm
29050100	MAS LEDtube 1500mm UO 36W 830 T5	830	3000 K	5200 lm
29052500	MAS LEDtube 1500mm UO 36W 840 T5	840	4000 K	5600 lm
29054900	MAS LEDtube 1500mm UO 36W 865 T5	865	6500 K	5600 lm

## Mechanical and Housing

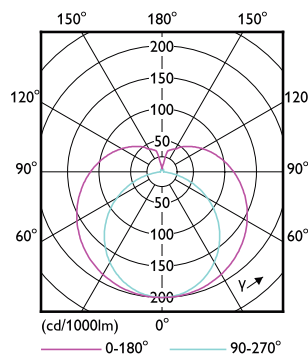
Order Code	Full Product Name	Bulb Finish
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	-
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	-
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	-
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	-
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	-
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	-
78343300	MAS LEDtube 600mm HE 8W 830 T5	Frosted
78345700	MAS LEDtube 600mm HE 8W 840 T5	Frosted
78347100	MAS LEDtube 600mm HE 8W 865 T5	Frosted

Order Code	Full Product Name	Bulb Finish
78349500	MAS LEDtube 1200mm HE 16.5W 830 T5	Frosted
78351800	MAS LEDtube 1200mm HE 16.5W 840 T5	Frosted
78353200	MAS LEDtube 1200mm HE 16.5W 865 T5	Frosted
78355600	MAS LEDtube 1500mm HE 20W 830 T5	Frosted
78357000	MAS LEDtube 1500mm HE 20W 840 T5	Frosted
78359400	MAS LEDtube 1500mm HE 20W 865 T5	Frosted
29050100	MAS LEDtube 1500mm UO 36W 830 T5	Frosted
29052500	MAS LEDtube 1500mm UO 36W 840 T5	Frosted
29054900	MAS LEDtube 1500mm UO 36W 865 T5	Frosted

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	72.1 °C
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	72.1 °C
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	72.1 °C
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	67.4 °C
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	67.4 °C
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	67.4 °C
78343300	MAS LEDtube 600mm HE 8W 830 T5	60 °C
78345700	MAS LEDtube 600mm HE 8W 840 T5	60 °C
78347100	MAS LEDtube 600mm HE 8W 865 T5	60 °C
78349500	MAS LEDtube 1200mm HE 16.5W 830 T5	70 °C
78351800	MAS LEDtube 1200mm HE 16.5W 840 T5	70 °C
78353200	MAS LEDtube 1200mm HE 16.5W 865 T5	70 °C
78355600	MAS LEDtube 1500mm HE 20W 830 T5	75 °C
78357000	MAS LEDtube 1500mm HE 20W 840 T5	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
78359400	MAS LEDtube 1500mm HE 20W 865 T5	75 °C
29050100	MAS LEDtube 1500mm UO 36W 830 T5	75 °C
29052500	MAS LEDtube 1500mm UO 36W 840 T5	75 °C
29054900	MAS LEDtube 1500mm UO 36W 865 T5	75 °C



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