



# 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 LED technology; completely safe product and installation process

### Features

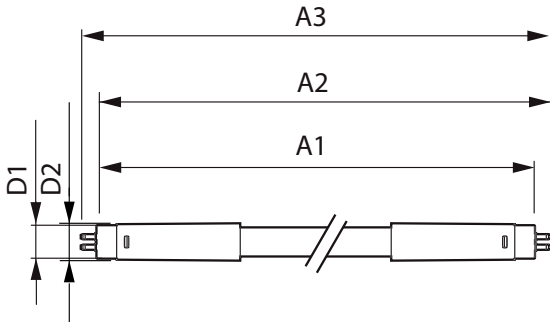
- Replacement of existing T5 lamps: operates with mains power connection
- Energy savings compared with fluorescent tubes
- Long lifetime
- No mercury

### Application

- Offices, shops, classrooms
- Industrial facilities and warehouses

# MASTER LEDtube Mains T5

## 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 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

# MASTER LEDtube Mains T5

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	Tube, double-ended

## Light Technical

Order Code	Full Product Name	Correlated Color	Color	Luminous Flux
		Temperature (Nom)	Code	
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	3000 K	830	3,600 lumen
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	4000 K	840	3,900 lumen
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	6500 K	865	3,900 lumen
929002420608	MAS LEDtube 600mm HE 8W 830 T5	3000 K	830	1,000 lumen
929002420708	MAS LEDtube 600mm HE 8W 840 T5	4000 K	840	1,050 lumen
929002420808	MAS LEDtube 600mm HE 8W 865 T5	6500 K	865	1,050 lumen
929002420908	MAS LEDtube 1200mm HE 16.5W 830 T5	3000 K	830	2,300 lumen
929002421008	MAS LEDtube 1200mm HE 16.5W 840 T5	4000 K	840	2,500 lumen
929002421108	MAS LEDtube 1200mm HE 16.5W 865 T5	6500 K	865	2,500 lumen
929002421208	MAS LEDtube 1500mm HE 20W 830 T5	3000 K	830	2,800 lumen
929002421308	MAS LEDtube 1500mm HE 20W 840 T5	4000 K	840	3,000 lumen
929002421408	MAS LEDtube 1500mm HE 20W 865 T5	6500 K	865	3,000 lumen
929003044102	MAS LEDtube 600mm HE 8W 830 T5 EU	3000 K	830	1,000 lumen
929003044202	MAS LEDtube 600mm HE 8W 840 T5 EU	4000 K	840	1,050 lumen
929003044302	MAS LEDtube 600mm HE 8W 865 T5 EU	6500 K	865	1,050 lumen
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	6500 K	865	2,500 lumen

## Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	26 W	49 W
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	26 W	49 W
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	26 W	49 W
929002420608	MAS LEDtube 600mm HE 8W 830 T5	8 W	-
929002420708	MAS LEDtube 600mm HE 8W 840 T5	8 W	-
929002420808	MAS LEDtube 600mm HE 8W 865 T5	8 W	-
929002420908	MAS LEDtube 1200mm HE 16.5W 830 T5	16.5 W	-
929002421008	MAS LEDtube 1200mm HE 16.5W 840 T5	16.5 W	-

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
929002421108	MAS LEDtube 1200mm HE 16.5W 865 T5	16.5 W	-
929002421208	MAS LEDtube 1500mm HE 20W 830 T5	20 W	-
929002421308	MAS LEDtube 1500mm HE 20W 840 T5	20 W	-
929002421408	MAS LEDtube 1500mm HE 20W 865 T5	20 W	-
929003044102	MAS LEDtube 600mm HE 8W 830 T5 EU	8 W	14 W
929003044202	MAS LEDtube 600mm HE 8W 840 T5 EU	8 W	14 W
929003044302	MAS LEDtube 600mm HE 8W 865 T5 EU	8 W	14 W
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	16.5 W	28 W

## Temperature

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	-20 to +45 °C	65 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	-20 to +45 °C	65 °C

# MASTER LEDtube Mains T5

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	-20 to +45 °C	65 °C
929002420608	MAS LEDtube 600mm HE 8W 830 T5	-20 °C to 45 °C	60 °C
929002420708	MAS LEDtube 600mm HE 8W 840 T5	-20 °C to 45 °C	60 °C
929002420808	MAS LEDtube 600mm HE 8W 865 T5	-20 °C to 45 °C	60 °C
929002420908	MAS LEDtube 1200mm HE 16.5W 830 T5	-20 °C to 45 °C	70 °C
929002421008	MAS LEDtube 1200mm HE 16.5W 840 T5	-20 °C to 45 °C	70 °C
929002421108	MAS LEDtube 1200mm HE 16.5W 865 T5	-20 °C to 45 °C	70 °C

Order Code	Full Product Name	Ambient temperature range	T-Case Maximum (Nom)
929002421208	MAS LEDtube 1500mm HE 20W 830 T5	-20 °C to 45 °C	75 °C
929002421308	MAS LEDtube 1500mm HE 20W 840 T5	-20 °C to 45 °C	75 °C
929002421408	MAS LEDtube 1500mm HE 20W 865 T5	-20 °C to 45 °C	75 °C
929003044102	MAS LEDtube 600mm HE 8W 830 T5 EU	-20 to +45 °C	50 °C
929003044202	MAS LEDtube 600mm HE 8W 840 T5 EU	-20 to +45 °C	50 °C
929003044302	MAS LEDtube 600mm HE 8W 865 T5 EU	-20 to +45 °C	50 °C
929003044602	MAS 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
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	26 kWh
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	26 kWh
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	26 kWh
929002420608	MAS LEDtube 600mm HE 8W 830 T5	8 kWh
929002420708	MAS LEDtube 600mm HE 8W 840 T5	8 kWh
929002420808	MAS LEDtube 600mm HE 8W 865 T5	8 kWh
929002420908	MAS LEDtube 1200mm HE 16.5W 830 T5	17 kWh
929002421008	MAS LEDtube 1200mm HE 16.5W 840 T5	17 kWh
929002421108	MAS LEDtube 1200mm HE 16.5W 865 T5	17 kWh
929002421208	MAS LEDtube 1500mm HE 20W 830 T5	20 kWh
929002421308	MAS LEDtube 1500mm HE 20W 840 T5	20 kWh
929002421408	MAS LEDtube 1500mm HE 20W 865 T5	20 kWh
929003044102	MAS LEDtube 600mm HE 8W 830 T5 EU	8 kWh
929003044202	MAS LEDtube 600mm HE 8W 840 T5 EU	8 kWh
929003044302	MAS LEDtube 600mm HE 8W 865 T5 EU	8 kWh
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	17 kWh

