



# The new generation of Mains T5 LEDtube lighting

## MASTER LED tube 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

# MASTER LED tube Mains T5

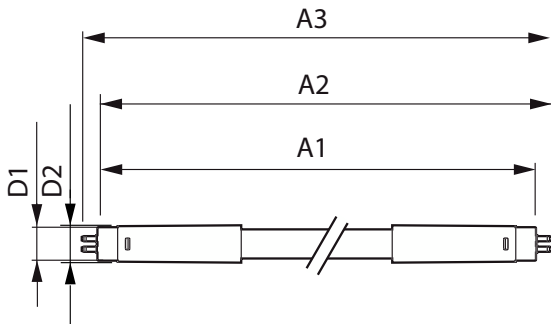
## Versions



MAS LEDtube HE T5 Mains EU 20240507

# MASTER LED tube Mains T5

## 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

# MASTER LED tube Mains T5

General Information	
Cap base	G5
Switching Cycle	200,000
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

## General Information

Order Code	Full Product Name	Nominal lifetime
929002474802	MAS LEDtube 1500mm UO 36W 830 T5	50,000 h
929002474902	MAS LEDtube 1500mm UO 36W 840 T5	50,000 h
929002475002	MAS LEDtube 1500mm UO 36W 865 T5	50,000 h
929001908502	MAS LEDtube 1200mm HO 26W 830 T5	60,000 h
929001908602	MAS LEDtube 1200mm HO 26W 840 T5	60,000 h
929001908702	MAS LEDtube 1200mm HO 26W 865 T5	60,000 h
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	60,000 h
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	60,000 h
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	60,000 h
929002421202	MAS LEDtube 1500mm HE 20W 830 T5 EU	60,000 h
929002421302	MAS LEDtube 1500mm HE 20W 840 T5 EU	60,000 h
929002421402	MAS LEDtube 1500mm HE 20W 865 T5 EU	60,000 h
929003044402	MAS LEDtube 1200mm HE 16.5W 830 T5 EU	60,000 h
929003044502	MAS LEDtube 1200mm HE 16.5W 840 T5 EU	60,000 h
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	60,000 h
929003795402	MAS LEDtube 600mm HE 7W 830 T5 EU	60,000 h
929003795502	MAS LEDtube 600mm HE 7W 840 T5 EU	60,000 h
929003795602	MAS LEDtube 600mm HE 7W 865 T5 EU	60,000 h

## Light Technical

Order Code	Full Product Name	Correlated		
		Temperature (Nom)	Colour Code	Luminous Flux
929002474802	MAS LEDtube 1500mm UO 36W 830 T5	3000 K	830	5,200 lm
929002474902	MAS LEDtube 1500mm UO 36W 840 T5	4000 K	840	5,600 lm
929002475002	MAS LEDtube 1500mm UO 36W 865 T5	6500 K	865	5,600 lm
929001908502	MAS LEDtube 1200mm HO 26W 830 T5	3000 K	830	3,600 lm
929001908602	MAS LEDtube 1200mm HO 26W 840 T5	4000 K	840	3,900 lm
929001908702	MAS LEDtube 1200mm HO 26W 865 T5	6500 K	865	3,900 lm
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	3000 K	830	3,600 lm
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	4000 K	840	3,900 lm
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	6500 K	865	3,900 lm

Order Code	Full Product Name	Correlated		
		Temperature (Nom)	Colour Code	Luminous Flux
929002421202	MAS LEDtube 1500mm HE 20W 830 T5 EU	3000 K	830	2,800 lm
929002421302	MAS LEDtube 1500mm HE 20W 840 T5 EU	4000 K	840	3,000 lm
929002421402	MAS LEDtube 1500mm HE 20W 865 T5 EU	6500 K	865	3,000 lm
929003044402	MAS LEDtube 1200mm HE 16.5W 830 T5 EU	3000 K	830	2,300 lm
929003044502	MAS LEDtube 1200mm HE 16.5W 840 T5 EU	4000 K	840	2,500 lm
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	6500 K	865	2,500 lm
929003795402	MAS LEDtube 600mm HE 7W 830 T5 EU	3000 K	830	1,000 lm
929003795502	MAS LEDtube 600mm HE 7W 840 T5 EU	4000 K	840	1,050 lm
929003795602	MAS 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
929002474802	MAS LEDtube 1500mm UO 36W 830 T5	50 to 60 Hz	36 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002474902	MAS LEDtube 1500mm UO 36W 840 T5	50 to 60 Hz	36 W

## MASTER LED tube Mains T5

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002475002	MAS LEDtube 1500mm UO 36W 865 T5	50 to 60 Hz	36 W
929001908502	MAS LEDtube 1200mm HO 26W 830 T5	50 to 60 Hz	26 W
929001908602	MAS LEDtube 1200mm HO 26W 840 T5	50 to 60 Hz	26 W
929001908702	MAS LEDtube 1200mm HO 26W 865 T5	50 to 60 Hz	26 W
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	50 to 60 Hz	26 W
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	50 to 60 Hz	26 W
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	50 to 60 Hz	26 W
929002421202	MAS LEDtube 1500mm HE 20W 830 T5 EU	50 to 60 Hz	20 W

Order Code	Full Product Name	Line Frequency	Power
			Consumption
929002421302	MAS LEDtube 1500mm HE 20W 840 T5 EU	50 to 60 Hz	20 W
929002421402	MAS LEDtube 1500mm HE 20W 865 T5 EU	50 to 60 Hz	20 W
929003044402	MAS LEDtube 1200mm HE 16.5W 830 T5 EU	50 to 60 Hz	16.5 W
929003044502	MAS LEDtube 1200mm HE 16.5W 840 T5 EU	50 to 60 Hz	16.5 W
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	50 to 60 Hz	16.5 W
929003795402	MAS LEDtube 600mm HE 7W 830 T5 EU	-	7 W
929003795502	MAS LEDtube 600mm HE 7W 840 T5 EU	-	7 W
929003795602	MAS LEDtube 600mm HE 7W 865 T5 EU	-	7 W

### Temperature

Order Code	Full Product Name	T-Case maximum (nom.)
929002474802	MAS LEDtube 1500mm UO 36W 830 T5	75 °C
929002474902	MAS LEDtube 1500mm UO 36W 840 T5	75 °C
929002475002	MAS LEDtube 1500mm UO 36W 865 T5	75 °C
929001908502	MAS LEDtube 1200mm HO 26W 830 T5	65 °C
929001908602	MAS LEDtube 1200mm HO 26W 840 T5	65 °C
929001908702	MAS LEDtube 1200mm HO 26W 865 T5	65 °C
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	65 °C
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	65 °C
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	65 °C

Order Code	Full Product Name	T-Case maximum (nom.)
929002421202	MAS LEDtube 1500mm HE 20W 830 T5 EU	55 °C
929002421302	MAS LEDtube 1500mm HE 20W 840 T5 EU	55 °C
929002421402	MAS LEDtube 1500mm HE 20W 865 T5 EU	55 °C
929003044402	MAS LEDtube 1200mm HE 16.5W 830 T5 EU	55 °C
929003044502	MAS LEDtube 1200mm HE 16.5W 840 T5 EU	55 °C
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	55 °C
929003795402	MAS LEDtube 600mm HE 7W 830 T5 EU	50 °C
929003795502	MAS LEDtube 600mm HE 7W 840 T5 EU	50 °C
929003795602	MAS LEDtube 600mm HE 7W 865 T5 EU	50 °C

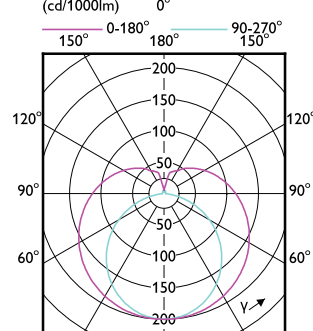
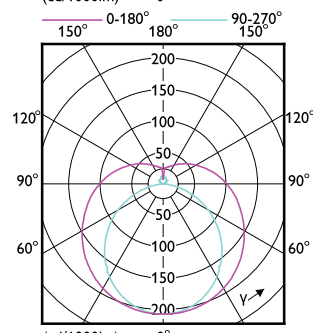
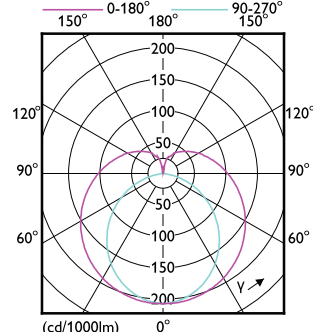
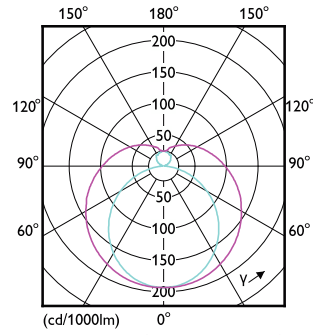
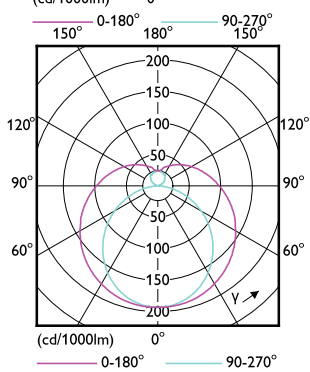
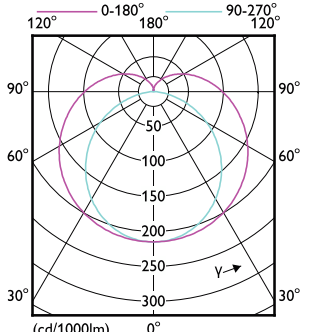
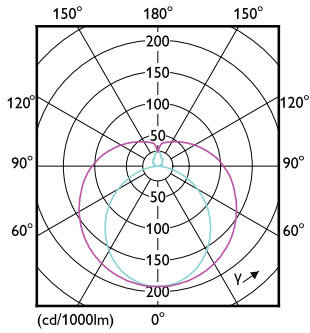
### Approval and Application

Order Code	Full Product Name	Ambient temperature	Energy
		range	consumption kWh/1,000 hours
929002474802	MAS LEDtube 1500mm UO 36W 830 T5	-20°C to 45°C	36 kWh
929002474902	MAS LEDtube 1500mm UO 36W 840 T5	-20°C to 45°C	36 kWh
929002475002	MAS LEDtube 1500mm UO 36W 865 T5	-20°C to 45°C	36 kWh
929001908502	MAS LEDtube 1200mm HO 26W 830 T5	-20 to +45 °C	26 kWh
929001908602	MAS LEDtube 1200mm HO 26W 840 T5	-20 to +45 °C	26 kWh
929001908702	MAS LEDtube 1200mm HO 26W 865 T5	-20 to +45 °C	26 kWh
929001908802	MAS LEDtube 1500mm HO 26W 830 T5	-20 to +45 °C	26 kWh

Order Code	Full Product Name	Ambient temperature	Energy
		range	consumption kWh/1,000 hours
929001908902	MAS LEDtube 1500mm HO 26W 840 T5	-20 to +45 °C	26 kWh
929001909002	MAS LEDtube 1500mm HO 26W 865 T5	-20 to +45 °C	26 kWh
929002421202	MAS LEDtube 1500mm HE 20W 830 T5 EU	-20 to +45 °C	20 kWh
929002421302	MAS LEDtube 1500mm HE 20W 840 T5 EU	-20 to +45 °C	20 kWh
929002421402	MAS LEDtube 1500mm HE 20W 865 T5 EU	-20 to +45 °C	20 kWh
929003044402	MAS LEDtube 1200mm HE 16.5W 830 T5 EU	-20 to +45 °C	17 kWh
929003044502	MAS LEDtube 1200mm HE 16.5W 840 T5 EU	-20 to +45 °C	17 kWh

# MASTER LED tube Mains T5

Order Code	Full Product Name	Ambient temperature range	Energy consumption kWh/1,000 hours
929003044602	MAS LEDtube 1200mm HE 16.5W 865 T5 EU	-20 to +45 °C	17 kWh
929003795402	MAS LEDtube 600mm HE 7W 830 T5 EU	-20 to +45 °C	7 kWh
929003795502	MAS LEDtube 600mm HE 7W 840 T5 EU	-20 to +45 °C	7 kWh
929003795602	MAS LEDtube 600mm HE 7W 865 T5 EU	-20 to +45 °C	7 kWh



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