



# 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

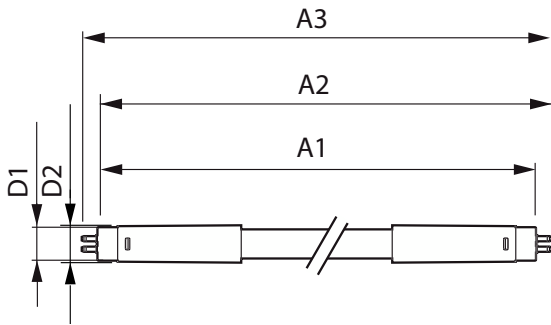
- Replacement of existing T5 lamps: operates with mains power connection
- Energy savings compared with fluorescent tubes
- Long lifetime
- Enable implementation of HACCP, supported by product level NSF certificate
- No mercury

### Application

- Offices, shops, classrooms
- Industrial facilities and warehouses

# MASTER LED tube Mains T5

## 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 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	15.8 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	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 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 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
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 840 T5	15.8 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 HO 10.5W 830 T5		19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 600mm HO 10.5W 840 T5		19 mm	549 mm	556.1 mm	563.2 mm

# MASTER LED tube Mains T5

## Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube 600mm HO 10.5W 865 T5		19 mm	549 mm	556.1 mm	563.2 mm
MAS LEDtube 900mm HE 11.5W 830 T5 EU	15.7 mm	19 mm	849 mm	856.1 mm	863.2 mm
MAS LEDtube 900mm HE 11.5W 840 T5 EU	15.7 mm	19 mm	849 mm	856.1 mm	863.2 mm
MAS LEDtube 900mm HO 18.5W 830 T5		19 mm	849 mm	856.1 mm	863.2 mm

General Information	
Cap-Base	G5
Switching Cycle	200,000
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
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T5

## General Information

Order Code	Full Product Name	Nominal lifetime
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	50,000 hour(s)
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	50,000 hour(s)
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	60,000 hour(s)
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	60,000 hour(s)
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	60,000 hour(s)
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	60,000 hour(s)
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	60,000 hour(s)
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	60,000 hour(s)
78343300	MASTER LEDtube 600mm HE 8W 830 T5	50,000 hour(s)
78345700	MASTER LEDtube 600mm HE 8W 840 T5	50,000 hour(s)
78347100	MASTER LEDtube 600mm HE 8W 865 T5	50,000 hour(s)
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	50,000 hour(s)
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	50,000 hour(s)
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	50,000 hour(s)
33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	60,000 hour(s)
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	60,000 hour(s)
33441000	MASTER LEDtube 1500mm HE 20W 865 T5 EU	60,000 hour(s)
33431100	MASTER LEDtube 1200mm HE 16.5W 830 T5 EU	60,000 hour(s)
33433500	MASTER LEDtube 1200mm HE 16.5W 840 T5 EU	60,000 hour(s)
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	60,000 hour(s)
27062600	MASTER LEDtube 900mm HE 11.5W 830 T5 EU	60,000 hour(s)
27064000	MASTER LEDtube 900mm HE 11.5W 840 T5 EU	60,000 hour(s)
27521800	MASTER LEDtube 600mm HO 10.5W 830 T5	60,000 hour(s)
27531700	MASTER LEDtube 600mm HO 10.5W 840 T5	60,000 hour(s)
27523200	MASTER LEDtube 600mm HO 10.5W 865 T5	60,000 hour(s)
27525600	MASTER LEDtube 900mm HO 18.5W 830 T5	60,000 hour(s)
31169500	MASTER LEDtube 600mm HE 7W 830 T5 EU	60,000 hour(s)
30682000	MASTER LEDtube 600mm HE 7W 840 T5 EU	60,000 hour(s)
30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	60,000 hour(s)

## Light Technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	4000 K	840	5,600 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Color Code	Luminous Flux
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	6500 K	865	5,600 lm

## MASTER LED tube Mains T5

Order Code	Full Product Name	Correlated Color		Luminous Flux
		Temperature (Nom)	Color Code	
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
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
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

Order Code	Full Product Name	Correlated Color		Luminous Flux
		Temperature (Nom)	Color Code	
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
27062600	MASTER LEDtube 900mm HE 11.5W 830 T5 EU	3000 K	830	1,600 lm
27064000	MASTER LEDtube 900mm HE 11.5W 840 T5 EU	4000 K	840	1,700 lm
27521800	MASTER LEDtube 600mm HO 10.5W 830 T5	3000 K	830	1,500 lm
27531700	MASTER LEDtube 600mm HO 10.5W 840 T5	4000 K	840	1,600 lm
27523200	MASTER LEDtube 600mm HO 10.5W 865 T5	6500 K	865	1,600 lm
27525600	MASTER LEDtube 900mm HO 18.5W 830 T5	3000 K	830	2,600 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
29052500	MASTER LEDtube 1500mm UO 36W 840 T5	50 to 60 Hz	36 W
29054900	MASTER LEDtube 1500mm UO 36W 865 T5	50 to 60 Hz	36 W
81921000	MASTER LEDtube 1200mm HO 26W 830 T5	50 to 60 Hz	26 W
81923400	MASTER LEDtube 1200mm HO 26W 840 T5	50 to 60 Hz	26 W
81925800	MASTER LEDtube 1200mm HO 26W 865 T5	50 to 60 Hz	26 W
81929600	MASTER LEDtube 1500mm HO 26W 830 T5	50 to 60 Hz	26 W
81931900	MASTER LEDtube 1500mm HO 26W 840 T5	50 to 60 Hz	26 W
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	50 to 60 Hz	26 W
78343300	MASTER LEDtube 600mm HE 8W 830 T5	50 to 60 Hz	8 W

Order Code	Full Product Name	Line Frequency	Power Consumption
78345700	MASTER LEDtube 600mm HE 8W 840 T5	50 to 60 Hz	8 W
78347100	MASTER LEDtube 600mm HE 8W 865 T5	50 to 60 Hz	8 W
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	50 to 60 Hz	16.5 W
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	50 to 60 Hz	16.5 W
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	50 to 60 Hz	16.5 W
33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	50 to 60 Hz	20 W
33439700	MASTER LEDtube 1500mm HE 20W 840 T5 EU	50 to 60 Hz	20 W
33441000	MASTER LEDtube 1500mm HE 20W 865 T5 EU	50 to 60 Hz	20 W
33431100	MASTER LEDtube 1200mm HE 16.5W 830 T5 EU	50 to 60 Hz	16.5 W

## MASTER LED tube Mains T5

Order Code	Full Product Name	Line Frequency	Power Consumption
33433500	MASTER LEDtube 1200mm HE 16.5W 840 T5 EU	50 to 60 Hz	16.5 W
33435900	MASTER LEDtube 1200mm HE 16.5W 865 T5 EU	50 to 60 Hz	16.5 W
27062600	MASTER LEDtube 900mm HE 11.5W 830 T5 EU	50 to 60 Hz	11.5 W
27064000	MASTER LEDtube 900mm HE 11.5W 840 T5 EU	50 to 60 Hz	11.5 W
27521800	MASTER LEDtube 600mm HO 10.5W 830 T5	-	10.5 W
27531700	MASTER LEDtube 600mm HO 10.5W 840 T5	-	10.5 W

Order Code	Full Product Name	Line Frequency	Power Consumption
27523200	MASTER LEDtube 600mm HO 10.5W 865 T5	-	10.5 W
27525600	MASTER LEDtube 900mm HO 18.5W 830 T5	-	18.5 W
31169500	MASTER LEDtube 600mm HE 7W 830 T5 EU	-	7 W
30682000	MASTER LEDtube 600mm HE 7W 840 T5 EU	-	7 W
30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	-	7 W

### Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
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
78343300	MASTER LEDtube 600mm HE 8W 830 T5	60 °C
78345700	MASTER LEDtube 600mm HE 8W 840 T5	60 °C
78347100	MASTER LEDtube 600mm HE 8W 865 T5	60 °C
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	70 °C
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	70 °C
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	70 °C
33437300	MASTER LEDtube 1500mm HE 20W 830 T5 EU	55 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
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
27062600	MASTER LEDtube 900mm HE 11.5W 830 T5 EU	45 °C
27064000	MASTER LEDtube 900mm HE 11.5W 840 T5 EU	45 °C
27521800	MASTER LEDtube 600mm HO 10.5W 830 T5	60 °C
27531700	MASTER LEDtube 600mm HO 10.5W 840 T5	60 °C
27523200	MASTER LEDtube 600mm HO 10.5W 865 T5	60 °C
27525600	MASTER LEDtube 900mm HO 18.5W 830 T5	60 °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

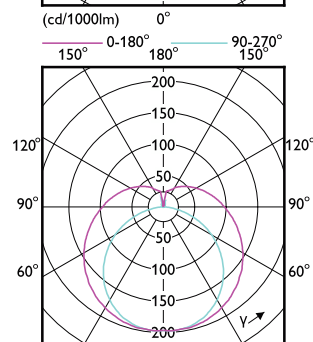
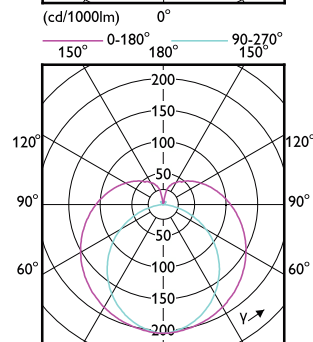
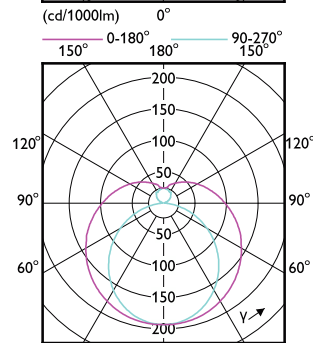
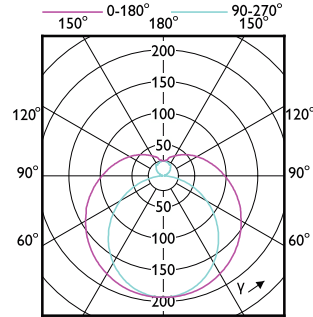
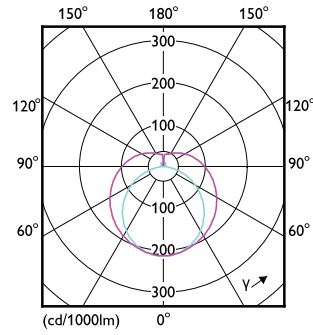
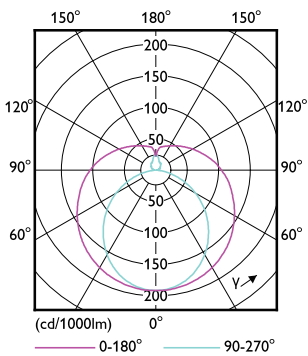
### Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
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

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
81933300	MASTER LEDtube 1500mm HO 26W 865 T5	-20 to +45 °C	26 kWh
78343300	MASTER LEDtube 600mm HE 8W 830 T5	-20 °C to 45 °C	8 kWh
78345700	MASTER LEDtube 600mm HE 8W 840 T5	-20 °C to 45 °C	8 kWh
78347100	MASTER LEDtube 600mm HE 8W 865 T5	-20 °C to 45 °C	8 kWh
78349500	MASTER LEDtube 1200mm HE 16.5W 830 T5	-20 °C to 45 °C	17 kWh
78351800	MASTER LEDtube 1200mm HE 16.5W 840 T5	-20 °C to 45 °C	17 kWh
78353200	MASTER LEDtube 1200mm HE 16.5W 865 T5	-20 °C to 45 °C	17 kWh

# MASTER LED tube Mains T5

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
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
27062600	MASTER LEDtube 900mm HE 11.5W 830 T5 EU	-20 to +45 °C	12 kWh
27064000	MASTER LEDtube 900mm HE 11.5W 840 T5 EU	-20 to +45 °C	12 kWh
27521800	MASTER LEDtube 600mm HO 10.5W 830 T5	-20 to +45 °C	11 kWh
27531700	MASTER LEDtube 600mm HO 10.5W 840 T5	-20 to +45 °C	11 kWh
27523200	MASTER LEDtube 600mm HO 10.5W 865 T5	-20 to +45 °C	11 kWh
27525600	MASTER LEDtube 900mm HO 18.5W 830 T5	-20 to +45 °C	19 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
30684400	MASTER LEDtube 600mm HE 7W 865 T5 EU	-20 to +45 °C	7 kWh



# MASTER LED tube Mains T5

