

# The ultimate step in energy saving with TL5 High Output

## MASTER TL5 High Output EcoPlus

TL5 High Output EcoPlus lamp (tube diameter 16 mm) provides extra energy savings by simple lamp-for-lamp replacement of TL5 HO Eco lamps, at the expense of slightly reduced light output. No compromises are made on the excellent TL5 lumen maintenance, lifetime and color rendering. Application areas vary from offices and industry to schools and retail environments.

### Benefits

- Up to 20% energy saving simply by changing the lamp
- The same quality of light as from MASTER TL5 HO lamps
- All benefits of regular TL5 lamps

### Features

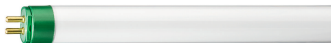
- High lamp efficacies up to 107 lm/W
- Up to 20% power reduction compared with standard MASTER TL5 HO lamps and up to 10% compared with TL5 HO Eco lamps

### Application

- All current non-dimmable TL5 HO indoor applications, e.g. offices, schools, supermarkets, industrial facilities with room temperatures above 20 °C (which means temperatures around the lamp of over 25-30 °C)
- Not recommended for use where there is a strong air flow around the lamps

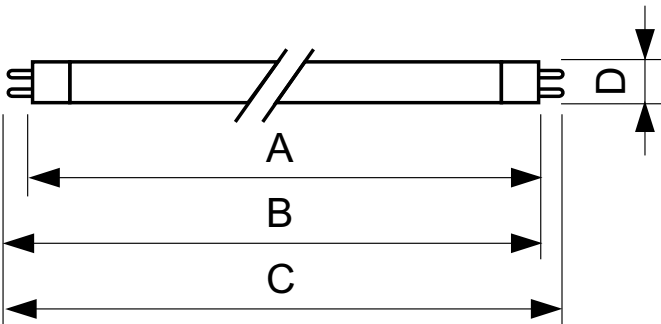
# MASTER TL5 High Output EcoPlus

## Versions



G5, T5

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO EcoPlus 41=49W/840 UNP/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm
MASTER TL5 HO EcoPlus 44=54W/830 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
MASTER TL5 HO EcoPlus 66=80W/840 UNP/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm
MASTER TL5 HO EcoPlus 44=54W/840 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

MASTER TL5 High Output EcoPlus

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Controls and Dimming	
Dimmable	No
General Information	
Cap-Base	G5
Life To 50% Failures Preheat (Nom)	30000 h
LSF Preheat 16000 h Rated	98 %
LSF Preheat 20000 h Rated	97 %
LSF Preheat 2000 h Rated	100 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
Light Technical	
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
Mechanical and Housing	
Bulb Shape	T5
Temperature	
Design Temperature (Nom)	35 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927995483031	MASTER TL5 HO EcoPlus 44=54W/830 UNP/40	48 kWh
927995484031	MASTER TL5 HO EcoPlus 44=54W/840 UNP/40	48 kWh
927995584031	MASTER TL5 HO EcoPlus 41=49W/840 UNP/40	45 kWh
927995684031	MASTER TL5 HO EcoPlus 66=80W/840 UNP/40	73 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927995483031	MASTER TL5 HO EcoPlus 44=54W/830 UNP/40	0.460 A	44 W
927995484031	MASTER TL5 HO EcoPlus 44=54W/840 UNP/40	0.460 A	42.8 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927995584031	MASTER TL5 HO EcoPlus 41=49W/840 UNP/40	0.260 A	42.2 W
927995684031	MASTER TL5 HO EcoPlus 66=80W/840 UNP/40	0.555 A	63.3 W

Light Technical (1/2)

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (@ Max Lumen, Rated) (Nom)
927995483031	MASTER TL5 HO EcoPlus	830	Warm White (WW)	3000 K	102 lm/W

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (@ Max Lumen, Rated) (Nom)
	44=54W/830 UNP/40				

## MASTER TL5 High Output EcoPlus

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (@ Max Lumen, Rated) (Nom)
927995484031	MASTER TL5 HO EcoPlus 44=54W/840 UNP/40	840	Cool White (CW)	4000 K	102 lm/W
927995584031	MASTER TL5 HO EcoPlus	840	Cool White (CW)	4000 K	107 lm/W

Order Code	Full Product Name	Color Code	Color Designation	Correlated Color Temperature (Nom)	Luminous Efficacy (@ Max Lumen, Rated) (Nom)
	41=49W/840 UNP/40				
927995684031	MASTER TL5 HO EcoPlus 66=80W/840 UNP/40	840	Cool White (CW)	4000 K	97 lm/W

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927995483031	MASTER TL5 HO EcoPlus 44=54W/830 UNP/40	91 lm/W	4500 lm	3900 lm
927995484031	MASTER TL5 HO EcoPlus 44=54W/840 UNP/40	91 lm/W	4500 lm	3900 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927995584031	MASTER TL5 HO EcoPlus 41=49W/840 UNP/40	101 lm/W	4400 lm	4250 lm
927995684031	MASTER TL5 HO EcoPlus 66=80W/840 UNP/40	90 lm/W	6400 lm	5700 lm

