



# High efficient fluorescent lighting

## MASTER TL5 High Efficiency

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

### Benefits

- Allows system miniaturization and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- High lamp efficacies and luminaire efficiencies

### Features

- 40% thinner and 5 cm shorter than corresponding TL-D lamps
- High lamp efficacies up to 104 lm/W
- Specifically designed for operation with electronic gear
- Maximum light output reached at approximately 35 °C in free-burning position

### Application

- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-effective lighting is required

### Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

# MASTER TL5 High Efficiency

## Versions



G5, T5

## Dimensional drawing

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Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 35W/827 SLV/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm
MASTER TL5 HE 14W/827 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

MASTER TL5 High Efficiency

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Controls and Dimming	
Dimmable	Yes
General Information	
Cap-Base	G5
Life To 50% Failures Preheat (Nom)	24000 h
LSF Preheat 16000 h Rated	97 %
LSF Preheat 20000 h Rated	84 %
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
System Description	HE
Light Technical	
Color Code	827
Color Designation	Incandescent White
Correlated Color Temperature (Nom)	2700 K
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
927926082755	MASTER TL5 HE 14W/827 SLV/40	15 kWh
927927082755	MASTER TL5 HE 35W/827 SLV/40	38 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927926082755	MASTER TL5 HE 14W/827 SLV/40	0.165 A	14 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927927082755	MASTER TL5 HE 35W/827 SLV/40	0.175 A	35.5 W

Light Technical

## MASTER TL5 High Efficiency

Order Code	Full Product Name	Luminous Efficacy (@	Luminous Efficacy	Luminous	
		Max Lumen,	(rated)	Luminous	Flux
		Rated) (Nom)	(Nom)	Flux (Nom)	(Rated)
927926082755	MASTER TL5 HE 14W/827 SLV/40	96 lm/W	86 lm/W	1350 lm	1200 lm

Order Code	Full Product Name	Luminous Efficacy (@	Luminous Efficacy	Luminous	
		Max Lumen,	(rated)	Luminous	Flux
		Rated) (Nom)	(Nom)	Flux (Nom)	(Rated)
927927082755	MASTER TL5 HE 35W/827 SLV/40	104 lm/W	94 lm/W	3650 lm	3325 lm

