



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

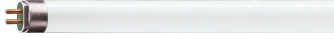
- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-effective lighting is required

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.

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Versions



G5, T5

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 14W/830 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/827 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

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Approval and Application

Energy Consumption kWh/1000 h	14 kWh
Mercury (Hg) Content (Max)	1.4 mg
Mercury (Hg) Content (Nom)	1.4 mg

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Lamp Current (Nom)	0.165 A
Power (Rated) (Nom)	14 W

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 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 %
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	96 lm/W
Luminous Efficacy (rated) (Nom)	86 lm/W
Luminous Flux (Nom)	1200 lm
Luminous Flux (Rated) (Nom)	1200 lm

Mechanical and Housing

Bulb Shape	T5
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Temperature

Design Temperature (Nom)	35 °C
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Light Technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Code	Color Designation
		Coordinate X (Nom)	Coordinate Y (Nom)		
927926082755	MASTER TL5 HE 14W/827 SLV/40	0.463	0.42	827	Incandescent White
927926083055	MASTER TL5 HE 14W/830 SLV/40	0.44	0.403	830	Warm White (WW)

Light Technical (2/2)

Order Code	Full Product Name	Correlated Color Temperature (Nom)
927926082755	MASTER TL5 HE 14W/827 SLV/40	2700 K

Order Code	Full Product Name	Correlated Color Temperature (Nom)
927926083055	MASTER TL5 HE 14W/830 SLV/40	3000 K

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