



Efficient fluorescent lighting with improved color rendering

TL5 consumer products

A TL5 lamp is 40% thinner and 5 cm shorter than corresponding TL-D lamp. The lamps are available in 3 wattages and in 2 colors (warm white and cool white)

Benefits

- Good color rendering
- High energy efficiency and lumen maintenance
- Long lifetime
- Create atmospheres from warm white to cool white

Features

- Highly efficient 3-band fluorescent coating
- Low mercury dose
- Specifically designed for operation with electronic gear

Application

- Suitable for use in a wide range of luminaires for TL5 (16 mm diameter) fluorescent lamps.

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)
TL5 HE 28W WW 1PP/10	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
TL5 HE 28W CW 1PP/10	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
TL5 HE 14W CW 1PP/10	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
TL5 HE 21W WW 1PP/10	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
TL5 HE 14W WW 1PP/10	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
TL5 HE 21W CW 1PP/10	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm

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Approval and Application

Mercury (Hg) Content (Max)	1.4 mg
Mercury (Hg) Content (Nom)	1.4 mg

Controls and Dimming

Dimmable	Yes
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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	High Efficiency

Light Technical

Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
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
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Temperature

Design Temperature (Nom)	35 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927926083032	TL5 HE 14W WW 1PP/10	14 kWh
927926084032	TL5 HE 14W CW 1PP/10	14 kWh
927926283032	TL5 HE 21W WW 1PP/10	21 kWh
927926284032	TL5 HE 21W CW 1PP/10	21 kWh
927926583032	TL5 HE 28W WW 1PP/10	29 kWh
927926584032	TL5 HE 28W CW 1PP/10	29 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927926083032	TL5 HE 14W WW 1PP/10	0.165 A	14 W
927926084032	TL5 HE 14W CW 1PP/10	0.165 A	14 W
927926283032	TL5 HE 21W WW 1PP/10	0.165 A	20.8 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927926284032	TL5 HE 21W CW 1PP/10	0.165 A	20.8 W
927926583032	TL5 HE 28W WW 1PP/10	0.170 A	28.1 W
927926584032	TL5 HE 28W CW 1PP/10	0.170 A	28.1 W

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
927926083032	TL5 HE 14W WW 1PP/10	0.44	0.403	830	Warm White (WW)
927926084032	TL5 HE 14W CW 1PP/10	0.38	0.38	840	Cool White (CW)
927926283032	TL5 HE 21W WW 1PP/10	0.44	0.403	830	Warm White (WW)

Order Code	Full Product Name	Chromaticity		Color	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
927926284032	TL5 HE 21W CW 1PP/10	0.38	0.38	840	Cool White (CW)
927926583032	TL5 HE 28W WW 1PP/10	0.44	0.403	830	Warm White (WW)

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Order Code	Full Product Name	Chromaticity	Chromaticity	Color	Color
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
927926584032	TL5 HE 28W CW 1PP/10	0.38	0.38	840	Cool White (CW)

Light Technical (2/2)

Order Code	Full Product Name	Correlated Color	Color Rendering	Luminous Efficacy (@ Max	Luminous Efficacy	Luminous Flux	Luminous Flux
		Temperature (Nom)	Index (Nom)	Lumen, Rated) (Nom)	(rated) (Nom)	(Nom)	(Rated) (Nom)
927926083032	TL5 HE 14W WW 1PP/10	3000 K	82	96 lm/W	86 lm/W	1200 lm	1200 lm
927926084032	TL5 HE 14W CW 1PP/10	4000 K	80	96 lm/W	86 lm/W	1200 lm	1200 lm
927926283032	TL5 HE 21W WW 1PP/10	3000 K	82	101 lm/W	90 lm/W	1900 lm	1850 lm
927926284032	TL5 HE 21W CW 1PP/10	4000 K	80	101 lm/W	90 lm/W	1900 lm	1850 lm
927926583032	TL5 HE 28W WW 1PP/10	3000 K	82	104 lm/W	96 lm/W	2675 lm	2675 lm
927926584032	TL5 HE 28W CW 1PP/10	4000 K	80	104 lm/W	96 lm/W	2675 lm	2675 lm

