



The world's brightest fluorescent lighting

MASTER TL5 High Output

This TL5 lamp (tube diameter 16 mm) offers high light output. The TL5 HO lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

Benefits

- Allows system miniaturization and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- Optimized for installations which need high luminous flux
- Virtually constant lumen level with excellent lumen maintenance
- Good color rendering

Features

- 40% thinner than TL-D lamps
- Designed for high light output and system miniaturization
- Highly efficient 3-band fluorescent coating in combination with precoating
- Specifically designed for operation with electronic gear and well-suited for dimming
- Maximum light output reached at approximately 35 °C in free-burning position if an electronic driver with cut-off feature is used
- Can be ignited from -15 to +50 °C

Application

- The combination of a compact lamp and high lumen package of the MASTER TL5 HO offers exciting opportunities for architectural lighting and customized solutions
- Offers economic solutions with high-ceiling lighting in shops, industry and department stores
- The high luminous flux gives optimal results in aesthetic pendants and furniture-mounted luminaires in offices, workshops, restaurants and reception areas

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Warnings and Safety

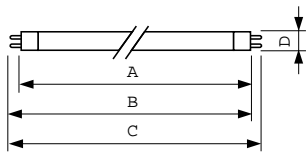
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Versions



G5, T5

Dimensional drawing



Product

MASTER TL5 HO 54W/865 SLV/40

MASTER TL5 HO 24W/865 SLV/40

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Approval and Application

Energy Efficiency Label (EEL)	A
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)	30000 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	HO

Light Technical

Color Code	865
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
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
927928086555	MASTER TL5 HO 24W/865 SLV/40	25 kWh
927929086555	MASTER TL5 HO 54W/865 SLV/40	59 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927928086555	MASTER TL5 HO 24W/865 SLV/40	0.295 A	22.5 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927929086555	MASTER TL5 HO 54W/865 SLV/40	0.455 A	54.1 W

Light Technical (1/2)

Order Code	Full Product Name	Color Rendering Index (Nom)	Luminous Efficacy (@ Rated) (Nom)	Luminous Efficacy (Nom)	Luminous Flux (Nom)
927928086555	MASTER TL5 HO 24W/865 SLV/40	82	81 lm/W	72 lm/W	1825 lm

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Order Code	Full Product Name	Color	Luminous	Luminous	Luminous Flux (Nom)
		Rendering Index (Nom)	Efficacy (@ Max Lumen, Rated) (Nom)	Efficacy (rated) (Nom)	
927929086555	MASTER TL5 HO 54W/865 SLV/40	85	86 lm/W	78 lm/W	4650 lm

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
927928086555	MASTER TL5 HO 24W/865 SLV/40	1575 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
927929086555	MASTER TL5 HO 54W/865 SLV/40	4200 lm

