



Product Description

MASTER TL5 High Output Secura

Low-pressure mercury discharge lamps with a tubular 16 mm envelope and protective coating around the lamp to prevent contamination resulting from breakage

Benefits

- All the benefits of TL5 HO lamps
- Safety: special protective coating around the lamp prevents products from contamination in case of accidental lamp breakage.
- Superior coating material: high temperature-resistance (up to 200 °C) and no degradation under influence of temperature or UV
- Easy identification in audit situations by the blue ring at one end
- Compliant with relevant standards in the food industry, such as HACCP and ISO22000.

Features

- All the advantages of TL5 HO lamps
- Protective coating around the lamp (may extend by max. 0.5 mm at lamp ends)
- Single blue ring around one end for identification
- Direct retrofit for all TL5 HO lamps

Application

- For use where contamination resulting from lamp breakage must be prevented, e.g. in food industry, suppliers to the food industry, health care, pharmaceuticals, cleanrooms etc.
- Suitable for use in environments with increased risk of breakage, e.g. sports halls

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.
- It's strongly recommended to replace Secura lamps before or at the moment the specified lamp life (50% failures @ 3 hrs switching cycle) is reached.

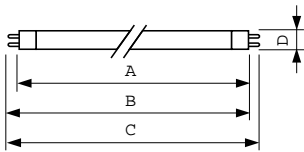
MASTER TL5 High Output Secura

Versions



G5, T5

Dimensional drawing



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

MASTER TL5 High Output Secura

Approval and Application

Mercury (Hg) Content (Nom)	1.4 mg
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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	High Output (HO)

Light Technical

Color Code	840
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 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
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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	Energy Efficiency Label (EEL)
95227155	MASTER TL5 HO SECURA 49W/840 UNP/40	54 kWh	A+
95231855	MASTER TL5 HO SECURA 54W/840 UNP/40	59 kWh	A+
95235655	MASTER TL5 HO SECURA 80W/840 UNP/40	88 kWh	A

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
95227155	MASTER TL5 HO SECURA 49W/840 UNP/40	0.255 A	49.2 W
95231855	MASTER TL5 HO SECURA 54W/840 UNP/40	0.455 A	54.1 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
95235655	MASTER TL5 HO SECURA 80W/840 UNP/40	0.530 A	79.8 W

Light Technical

MASTER TL5 High Output Secura

Order Code	Full Product Name	Luminous Efficacy (@	Luminous Efficacy	Luminous	
		Max Lumen, Rated) (Nom)	(rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
95227155	MASTER TL5 HO SECURA 49W/840 UNP/40	99 lm/W	89 lm/W	4375 lm	4375 lm
95231855	MASTER TL5 HO SECURA	93 lm/W	83 lm/W	4450 lm	4500 lm

Order Code	Full Product Name	Luminous Efficacy (@	Luminous Efficacy	Luminous	
		Max Lumen, Rated) (Nom)	(rated) (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
	54W/840 UNP/40				
95235655	MASTER TL5 HO SECURA 80W/840 UNP/40	88 lm/W	82 lm/W	6550 lm	6550 lm

