



Product Description

MASTER TL5 HE 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 HE 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 HE 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 HE 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

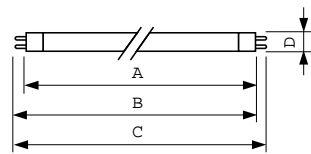
MASTER TL5 HE Secura

Versions



G5, T5

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Secura 35W/840 UNP/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm
MASTER TL5 HE Secura 28W/840 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

MASTER TL5 HE Secura

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	High Efficiency
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
Temperature	
Design Temperature (Nom)	35 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
95215855	MASTER TL5 HE Secura 28W/840 UNP/40	31 kWh
95219655	MASTER TL5 HE Secura 35W/840 UNP/40	38 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
95215855	MASTER TL5 HE Secura 28W/840 UNP/40	0.170 A	27.9 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
95219655	MASTER TL5 HE Secura 35W/840 UNP/40	0.175 A	35.5 W

Light Technical

Order Code	Full Product Name	Luminous			
		Efficacy @ Max Lumen, Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
95215855	MASTER TL5 HE Secura 28W/840 UNP/40	104 lm/W	96 lm/W	2900 lm	2675 lm

MASTER TL5 HE Secura

		Luminous			
		Efficacy (@	Luminous	Luminous	
		Max Lumen,	Efficacy	Luminous	Flux (Rated)
Order Code	Full Product Name	Rated) (Nom)	(rated) (Nom)	Flux (Nom)	(Nom)
95219655	MASTER TL5 HE Secura 35W/840 UNP/40	105 lm/W	94 lm/W	3650 lm	3325 lm

