

The ideal combination of extra-long life and highest efficiency

MASTER TL5 High Efficiency Xtra Eco

TL5 High Efficiency Xtra Eco lamp (tube diameter 16 mm) provides the ideal combination of extra-long life and extra energy savings via simple lamp-for-lamp replacement of TL5 HE lamps, without any compromise on the high lighting quality.

Benefits

- The longer product lifetime lowers maintenance costs and facilitates the change from spot to group replacement, while at the same time reducing waste and disposal cost.
- Up to 10% energy saving
- The same quality of light as from MASTER TL5 HE lamps

Features

- High lamp efficacies up to 114 lm/W
- Up to 10% power reduction and double the lamp life compared to standard MASTER TL5 HE

Application

- All current TL5 HE applications, e.g. offices, schools, supermarkets, industry

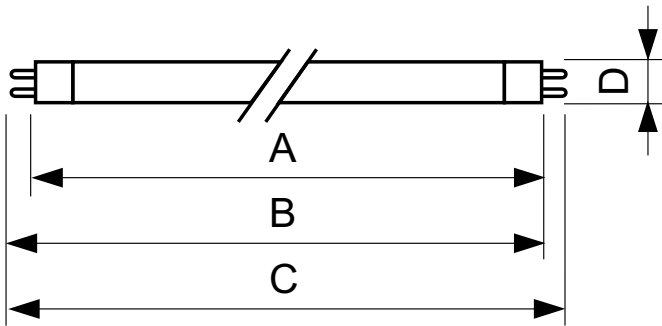
MASTER TL5 High Efficiency Xtra Eco

Versions



G5, T5

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Xtra Eco 13=14W/840 1SL	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE Xtra Eco 25=28W/840 1SL	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

MASTER TL5 High Efficiency Xtra Eco

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	3.0 mg

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Lamp Current (Nom)	0.170 A
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General Information

Cap-Base	G5
Life To 50% Failures Preheat (Nom)	45000 h
LSF Preheat 16000 h Rated	99 %
LSF Preheat 20000 h Rated	94 %
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %

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	88 %
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
927994184055	MASTER TL5 HE Xtra Eco 13=14W/840 1SL	14 kWh
927994384055	MASTER TL5 HE Xtra Eco 25=28W/840 1SL	28 kWh

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)	Order Code	Full Product Name	Power (Rated) (Nom)
927994184055	MASTER TL5 HE Xtra Eco 13=14W/840 1SL	12.5 W	927994384055	MASTER TL5 HE Xtra Eco 25=28W/840 1SL	25.2 W

Light Technical

MASTER TL5 High Efficiency Xtra Eco

Order Code	Full Product Name	Luminous			
		Efficacy (@ Max Lumen, Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
927994184055	MASTER TL5 HE Xtra Eco 13=14W/840 1SL	108 lm/W	92 lm/W	1350 lm	1150 lm
927994384055	MASTER TL5 HE Xtra Eco	114 lm/W	103 lm/W	2900 lm	2600 lm

Order Code	Full Product Name	Luminous			
		Efficacy (@ Max Lumen, Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
	25=28W/840 1SL				

