PHILIPS

Lighting



MASTER TL5 High Output Eco

MASTER TL5 HO Eco 50=54W/840 1SL/40

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HO Eco 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.

Product data

General Information	
Cap-Base	G5 [G5]
Life to 50% Failures Preheat (Nom)	30000 h
Features	na [Not Applicable]
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	99 %
LSF Preheat 20000 h Rated	94 %

Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux (Nom)	5000 lm
Luminous Flux (Rated) (Nom)	4450 lm
Color Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	102 lm/W
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (Rated) (Nom)	93 lm/W
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	85
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

Operating and Electrical	
Power (Rated) (Nom)	48 W
Lamp Current (Nom)	0.460 A

Temperature	
Design Temperature (Nom)	35 °C

Controls and Dimming	
Dimmable	Yes

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Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	54 kWh

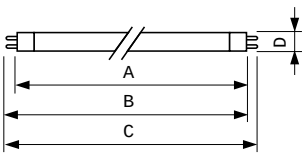
Product Data	
Full product code	872790090834301
Order product name	MASTER TL5 HO Eco 50=54W/840 1SL/40
EAN/UPC - Product	8727900908343

Order code	927991284033
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927991284033
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-50/40/1B-L/P-G5-16/1150

Warnings and Safety

- A reduction in energy consumption is only achieved with current-controlled gear.
- The lamps operate perfectly with power-controlled gear, but in that case the light output can be up to 10% higher.
- 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.

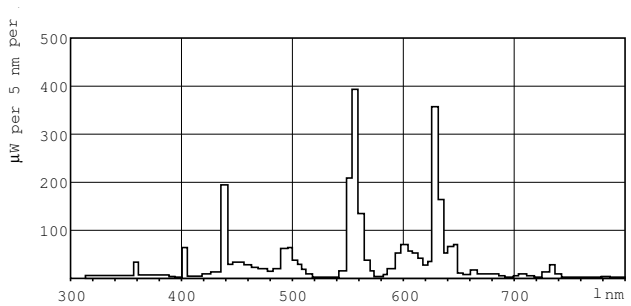
Dimensional drawing



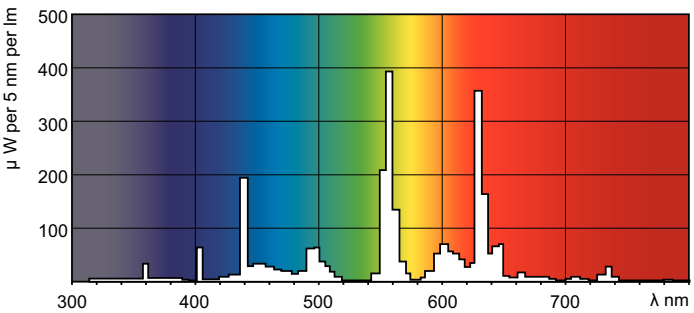
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Eco 50=54W/840 1SL/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

TL5 HO Eco 50=54W/840

Photometric data



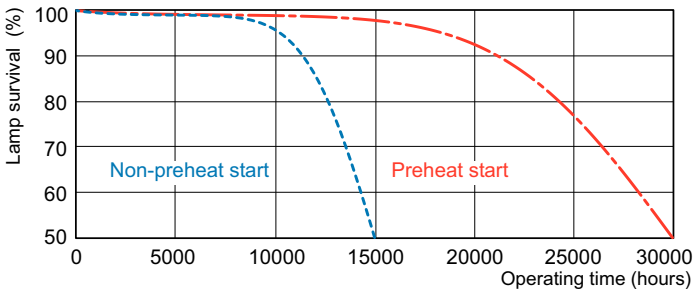
Lightcolor /840

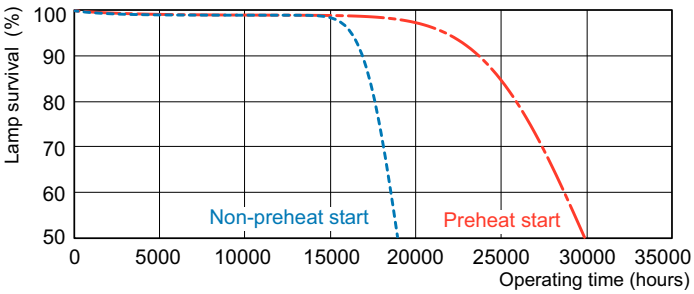


Lightcolor /840

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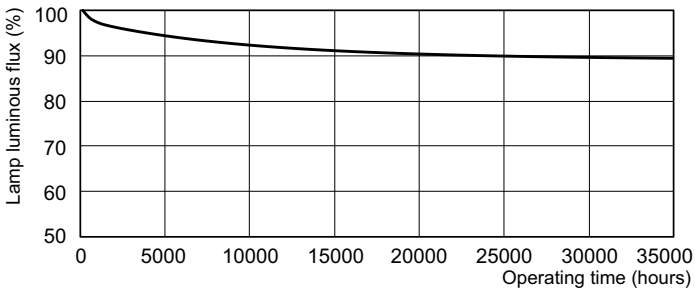
Lifetime





MASTER TL5 HO Eco Life Expectancy 3 h cycle

MASTER TL5 HO Eco Life Expectancy 12 h cycle



MASTER TL5 HO Eco Lumen Maintenance 3 h + 12 h cycle

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