PHILIPS

Lighting



MASTER TL5 High Output EcoPlus

MASTER TL5 HO EcoPlus 41=49W/840 UNP/40

TL5 High Output EcoPlus lamp (tube diameter 16 mm) provides extra energy savings by simple lamp-for-lamp replacement of TL5 HO Eco lamps, at the expense of slightly reduced light output. No compromises are made on the excellent TL5 lumen maintenance, lifetime 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	HO XEW Alto® [High Output Energy Advantage Alto]
LSF Preheat 2000 h Rated	100 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	98 %
LSF Preheat 20000 h Rated	97 %

Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux (Nom)	4400 lm
Luminous Flux (Rated) (Nom)	4250 lm
Color Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	107 lm/W
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (Rated) (Nom)	101 lm/W
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	82
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)	42.2 W
Lamp Current (Nom)	0.260 A

Temperature	
Design Temperature (Nom)	35 °C

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Controls and Dimming	
Dimmable	No

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	45 kWh

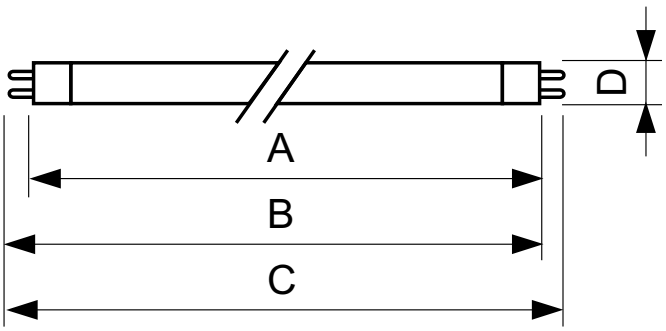
Product Data	
Full product code	871829166337900
Order product name	MASTER TL5 HO EcoPlus 41=49W/840 UNP/40

EAN/UPC - Product	8718291548126
Order code	927995584031
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927995584031
Net Weight (Piece)	127.400 g
ILCOS Code	FDH-44/40/1B-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.
- TL5 HO EcoPlus is not designed for dimming applications.
- 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.

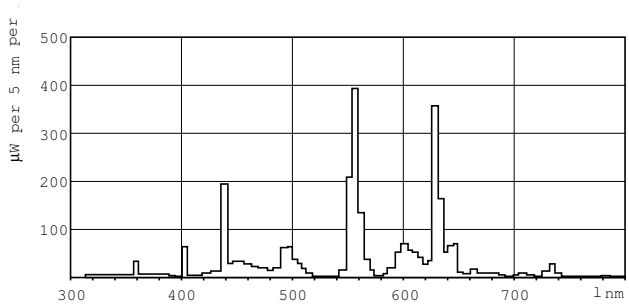
Dimensional drawing



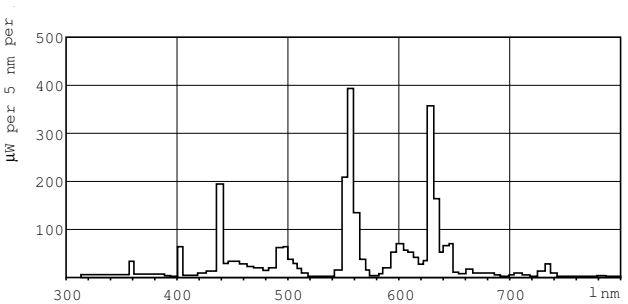
TL5 HO EcoPlus 41=49W/840

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO EcoPlus 41=49W/840 UNP/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm

Photometric data



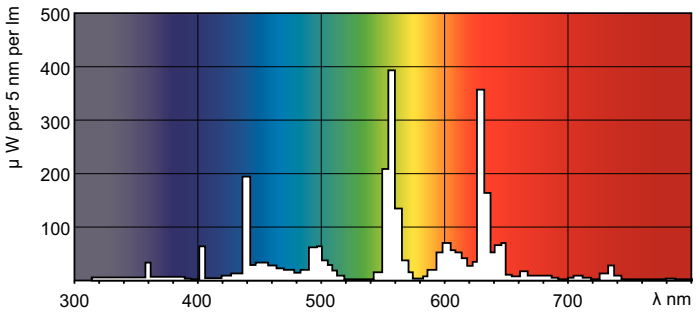
Lightcolor /840



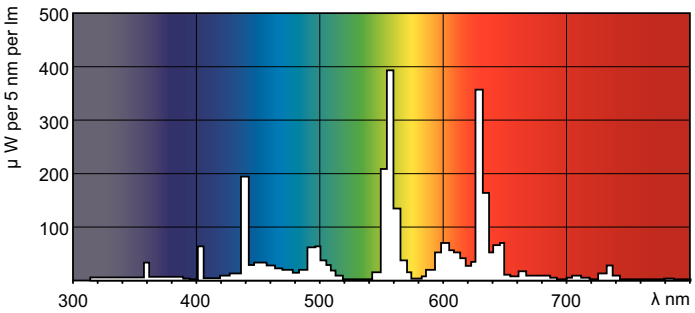
Lightcolor /841

MASTER TL5 High Output EcoPlus

Photometric data

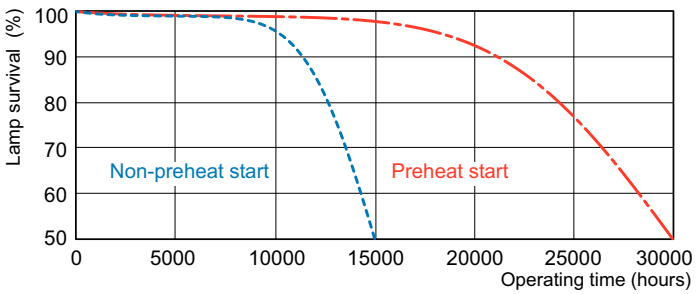


Lightcolor /840

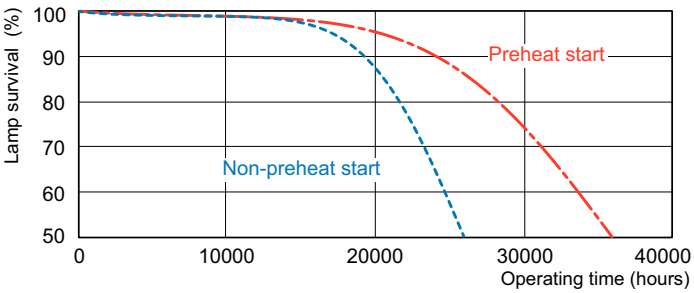


Lightcolor /841

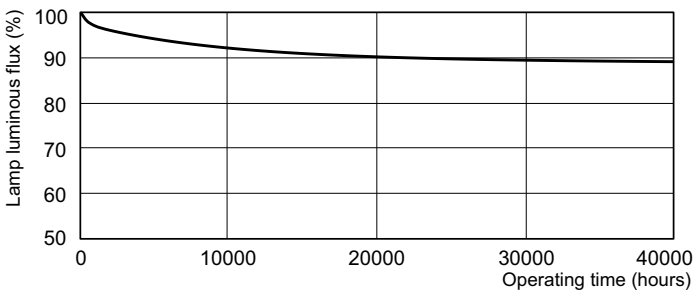
Lifetime



MASTER TL5 HO EcoPlus Life Expectancy 3 h cycle



MASTER TL5 HO EcoPlus Life Expectancy 12 h cycle



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

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2018, February 14 - data subject to change