



MASTER TL5 High Output Xtra



MASTER TL5 HO Xtra 54W/840 SLV/20

This TL5 lamp (tube diameter 16 mm) combines the advantages of a TL5 High Output lamp (TL5 HO lamps are optimized for installations requiring high light output and offer excellent lumen maintenance and color rendering) with a long and reliable lifetime. This results in extra-low maintenance costs and saves on expensive spot replacement. Main applications are places where lamp replacement costs and/or costs of disruption are high.

Warnings and Safety

- Philips HF Xtreme gear ensures longest lifetime.
- To achieve lifetimes as published for 100% operation, dimming below 30% should not be applied.
- 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.

Product data

General Information	
Cap-Base	G5 [G5]
Life to 50% Failures Preheat (Nom)	45000 h
System Description	High Output
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 %
Flux measurement reference	Sphere

Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux (Nom)	4500 lm
Luminous Flux (Rated) (Nom)	4500 lm
Color Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	93 lm/W
Chromaticity Coordinate X (Nom)	0.38
Chromaticity Coordinate Y (Nom)	0.38
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	83 lm/W
Color Rendering Index (Max)	85
Color Rendering Index (Min)	80

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Color Rendering Index (Nom)	80
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 (Nom)	53.8 W
Lamp Current (Nom)	0.455 A

Temperature

Design Temperature (Nom)	35 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Cap-Base Information	Green Plate
Bulb Shape	T5 [16 mm (T5)]

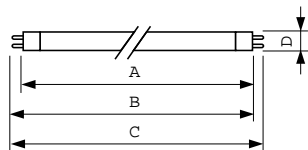
Approval and Application

Energy Efficiency Class	G
Mercury (Hg) Content (Max)	3 mg
Mercury (Hg) Content (Nom)	3.0 mg
Energy Consumption kWh/1000 h	54 kWh
EPREL Registration Number	423567

Product Data

Full product code	871150026352005
Order product name	MASTER TL5 HO Xtra 54W/840 SLV/20
EAN/UPC - Product	8711500263520
Order code	927929284026
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927929284026
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-54/40/1B-L/P-G5-16/1150

Dimensional drawing

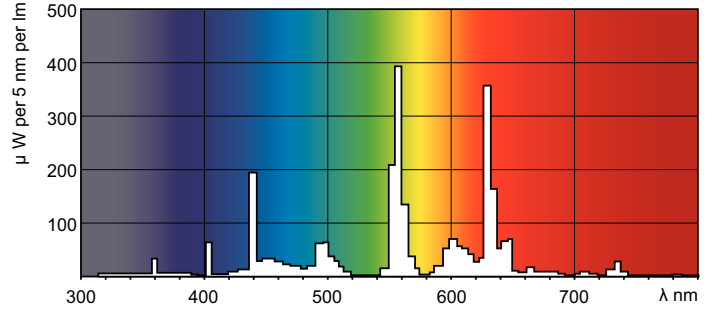
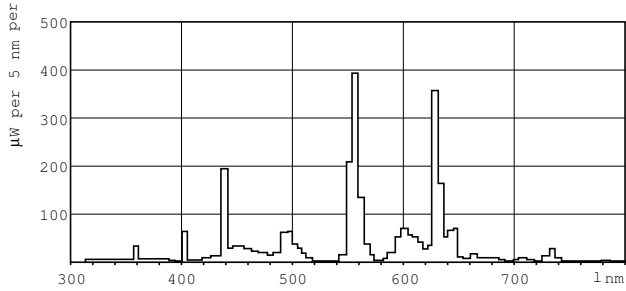


Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Xtra 54W/840 SLV/20	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

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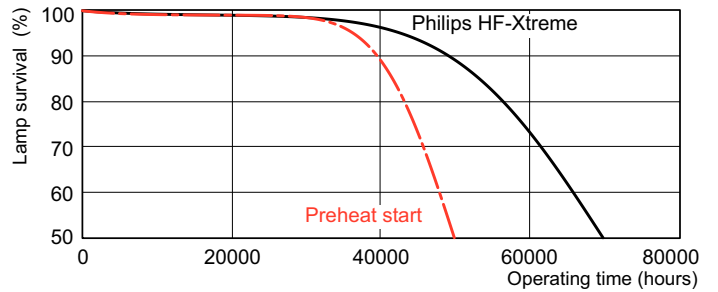
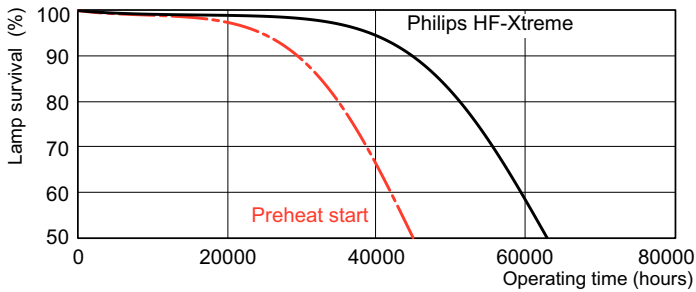
Photometric data



LDPB_TL5HO8Xa_840-Spectral power distribution B/W

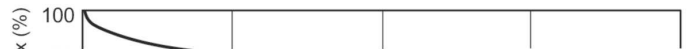
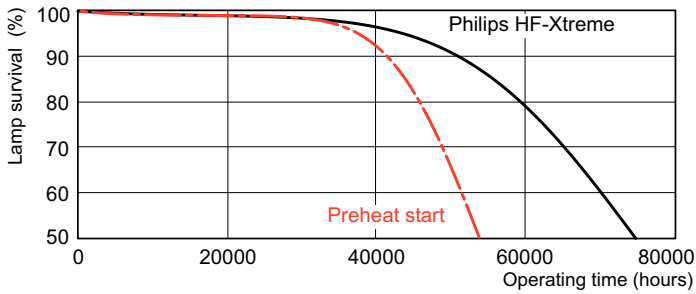
LDPO_TL5HO8Xa_840-Spectral power distribution Colour

Lifetime



LDLE_TL5HO8Xa_0001-Life expectancy diagram

LDLE_TL5HO8Xa_0002-Life expectancy diagram



LDLE_TL5HO8Xa_0003-Life expectancy diagram

LDLM_TL5HO8Xa_0001-Lumen maintenance diagram

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