



MASTER TL5 High Output Xtra

MASTER TL5 HO Xtra 80W/840 1SL/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 (HO)
LSF preheat 2,000 hours rated	100 %
LSF preheat 4,000 hours rated	99 %
LSF preheat 6,000 hours rated	99 %
LSF preheat 8,000 hours rated	99 %
LSF preheat 16,000 hours rated	98 %
LSF preheat 20,000 hours rated	97 %
	Sphere

Light Technical	
Colour Code	841 [CCT of 4100K (841)]
Luminous flux (nom.)	6400 lm
Luminous flux (rated) (nom.)	6400 lm
Colour designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	88 lm/W
Chromaticity coordinate X (nom.)	0.38
Chromaticity coordinate Y (nom.)	0.38
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	80 lm/W
Color rendering index (max.)	85

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Colour-rendering index (min.)	80
Colour 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 (Rated) (Nom)	80.4 W
Lamp current (nom.)	0.530 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
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Bulb shape	T5 [16 mm (T5)]
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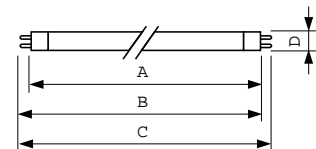
Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (max.)	3 mg
Mercury (Hg) content (nom.)	3.0 mg
Energy consumption kWh/1,000 hours	81 kWh
	423574

Product Data

Full product code	871150026303205
Order product name	MASTER TL5 HO Xtra 80W/840 SLV/20
EAN/UPC – product	8711500263032
Order code	26303205
SAP numerator – quantity per pack	1
Numerator – packs per outer box	20
SAP material	927929784026
SAP net weight (piece)	127.400 g
ILCOS code	FDH-80/40/1B-L/P-G5-16/1450

Dimensional drawing

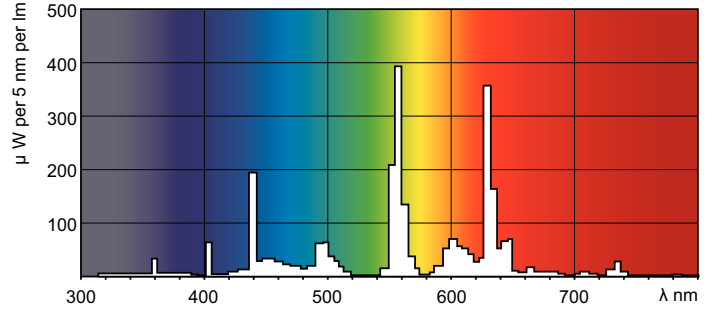
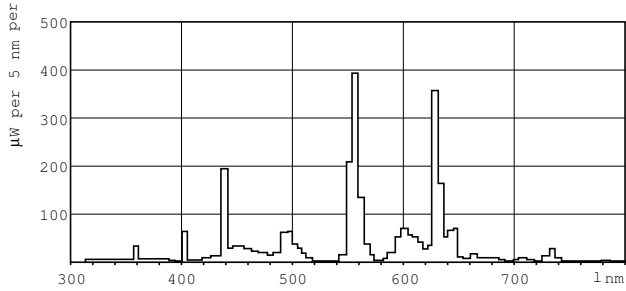


Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Xtra 80W/840 SLV/20	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm

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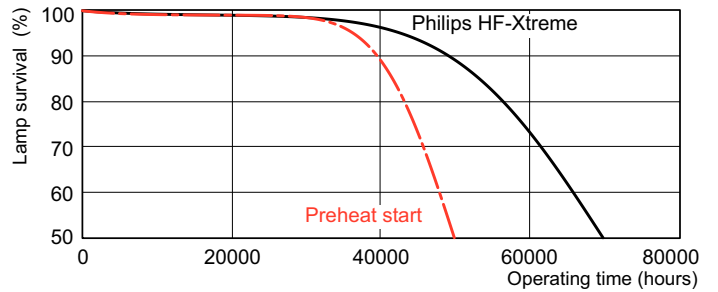
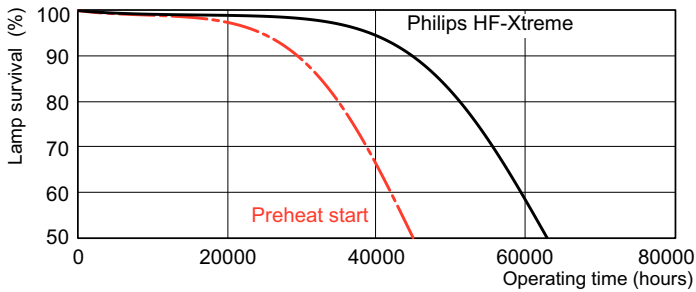
Photometric data



LDPB_TL5HO8Xa_840-Spectral power distribution B/W

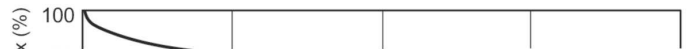
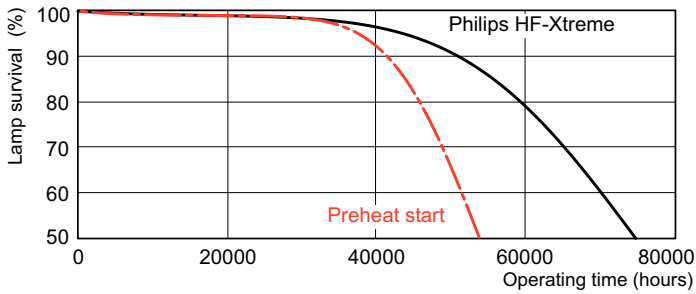
Lightcolour /840

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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