PHILIPS

Lighting



MASTER TL5 High Output Xtra

MASTER TL5 HO Xtra 80W/830 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.

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 %

Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	7000 lm
Luminous Flux (Rated) (Nom)	6400 lm
Color Designation	Warm White (WW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	88 lm/W
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (Rated) (Nom)	80 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)	79.8 W
Lamp Current (Nom)	0.530 A

Temperature	
Design Temperature (Nom)	35 °C

Controls and Dimming	
Dimmable	Yes

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Mechanical and Housing	
Cap-Base Information	Green Plate

Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	3.0 mg
Energy Consumption kWh/1000 h	88 kWh

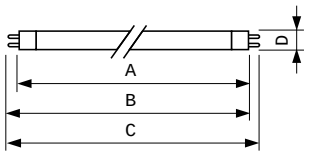
Product Data	
Full product code	871150026261505

Order product name	MASTER TL5 HO Xtra 80W/830 SLV/20
EAN/UPC - Product	8711500262615
Order code	927929783026
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927929783026
Net Weight (Piece)	127.400 g
ILCOS Code	FDH-80/30/1B-L/P-G5-16/1450

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.

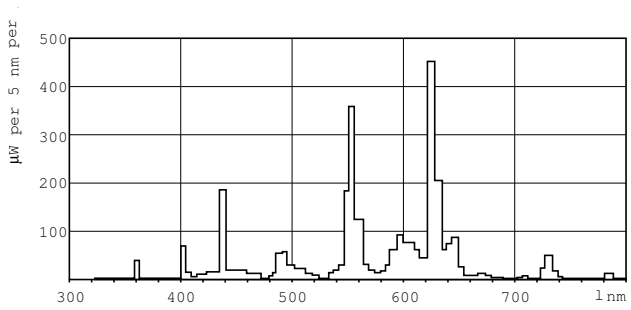
Dimensional drawing



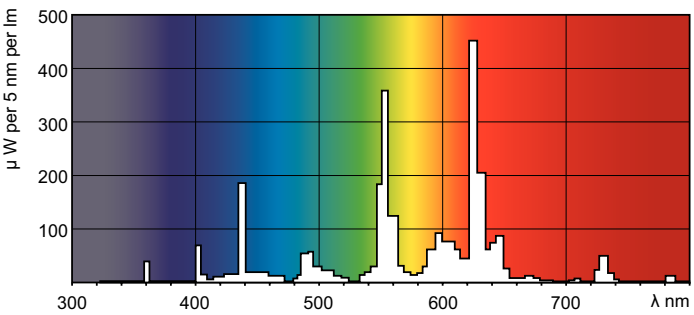
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Xtra 80W/830 SLV/20	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm

TL5 HO Xtra 80W/830

Photometric data



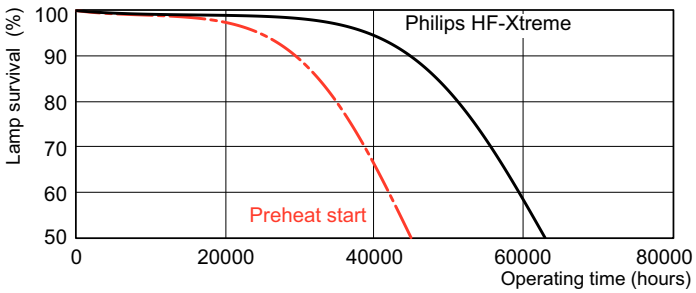
Lightcolor /830

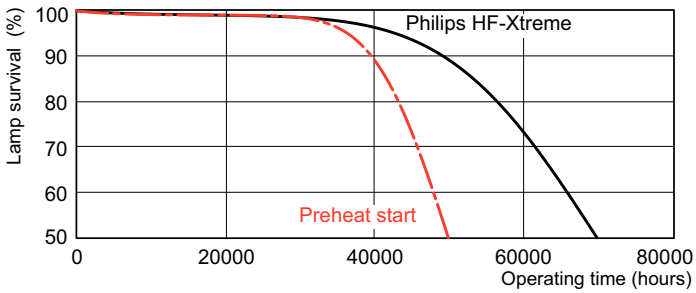


Lightcolor /830

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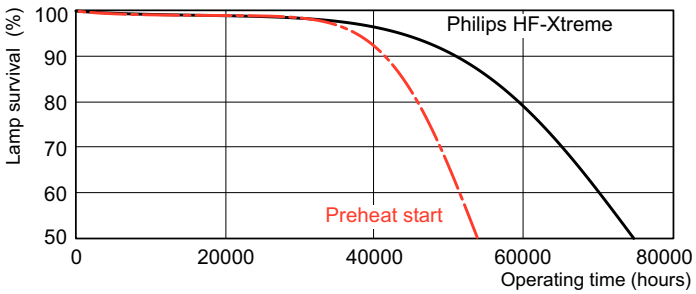
Lifetime

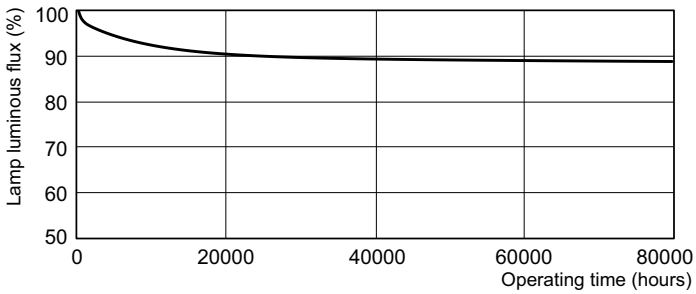




MASTER TL5 HO Xtra Life Expectancy 3 h cycle

MASTER TL5 HO Xtra Life Expectancy 12 h cycle





MASTER TL5 HO Xtra Life Expectancy 24 h cycle

MASTER TL5 HO Xtra Lumen Maintenance 3 h, 12 h + 24 h cycle

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