



MASTER TL5 High Output Xtra

MASTER TL5 HO Xtra 54W/840 1SL

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 Characteristics

System Description	High Output
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 10% fail	30000 hr
Preheat EL,3h	
Life to 50% fail	45000 hr
Preheat EL,3h	
LSF HF Preheat	100 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	98 %
16000h Rated,3h	
LSF HF Preheat	97 %
20000h Rated,3h	

• Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EL 25°C, Rated	4450 Lm
Luminous Flux EL 25°C, Nominal	4450 Lm

Luminous Flux Lamp EL 35°C	5000 Lm
Lum Efficacy Rated HF 25°C	82 Lm/W
Lum Efficacy Rated HF 35°C	93 Lm/W
Luminance Average EL 25°C	2.6 cd/cm2
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	382 -
Chromaticity Coordinate Y	387 -

• Electrical Characteristics

Lamp Wattage	54 W
Lamp Wattage EL 25°C, Rated	54.3 W
Lamp Wattage EL 25°C, Nominal	54 W
Lamp Wattage EL 35°C	53.8 W



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Lamp Voltage EL 25°C	118 V
Lamp Voltage EL 35°C	118 V
Lamp Current EL 25°C	0.460 A
Lamp Current EL 35°C	0.460 A
Dimmable	Yes

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	3.0 mg
Energy consumption kWh/1000h	57 kWh

• Measuring Conditions

Calibration Current	0.460 A
HF Generator Rated Voltage	235 V
Resistor	255 ohm

• Product Dimensions

Base Face to Base Face A	1149.0 (max) mm
Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

• Product Data

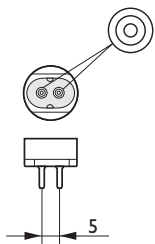
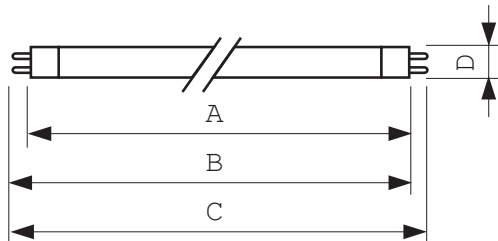
Order code	927929284026
Full product code	927929284026
Full product name	MASTER TL5 HO Xtra 54W/840 1SL
Order product name	MASTER TL5 HO Xtra 54W/840 1SL
Pieces per pack	1
Packing configuration	20
Packs per outerbox	20
Bar code on pack - EAN1	8711500263520
Bar code on outerbox - EAN3	8711500263544
Logistic code(s) - 12NC	927929284026
ILCOS code	FDH-54/40/1B-L/P-G5-16/1150
Net weight per piece	104.500 gr

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.

Dimensional drawing

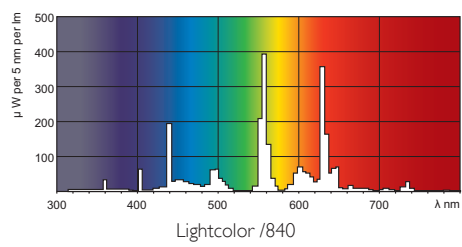
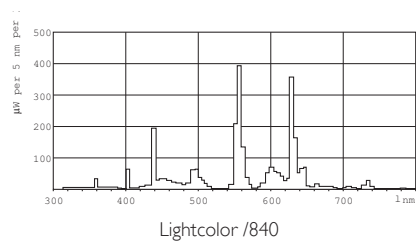


G5

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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO Xtra 54W/840	1149.0	1153.7	1156.1	1163.2	17

Photometric data



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data subject to change