



MASTER TL5 High Output Xtra



MASTER TL5 HO Xtra 54W/840 SLV/20

Low-pressure high-output mercury discharge lamps with a tubular 16 mm envelope

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 | 840 [CCT of 4,000 K] |
| Lamp Luminous Flux 25°C EL (Nom) | 4500 lm |
| Lamp Luminous Flux (Nom) | 4500 lm |
| Colour Designation | Cool White (CW) |

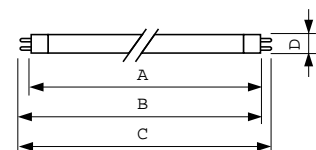
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|--|---------|
| Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 93 lm/W |
| Chromaticity coordinate X (nom.) | 0.38 |
| Chromaticity coordinate Y (nom.) | 0.38 |
| Colour Temperature, horizontal (Nom) | 4000 K |
| Lamp Luminous Efficacy EM (Nom) | 83 lm/W |
| Colour Rendering Index,horiz (Max) | 85 |
| Colour Rendering Index,horiz (Min) | 80 |
| Colour Rendering Index,horiz (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 % |

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| Operating and Electrical | |
|-----------------------------|------------------|
| Power (Rated) (Nom) | 53.8 W |
| Lamp current (nom.) | 0.455 A |
| Temperature | |
| Design temperature (nom.) | 35 °C |
| Controls and Dimming | |
| Dimmable | Yes |
| 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/1,000 hours | 54 kWh |
| | 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 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 20 |
| SAP material | 927929284026 |
| SAP net weight (piece) | 105.800 g |
| ILCOS code | FDH-54/40/1B-L/P-G5-16/1150 |

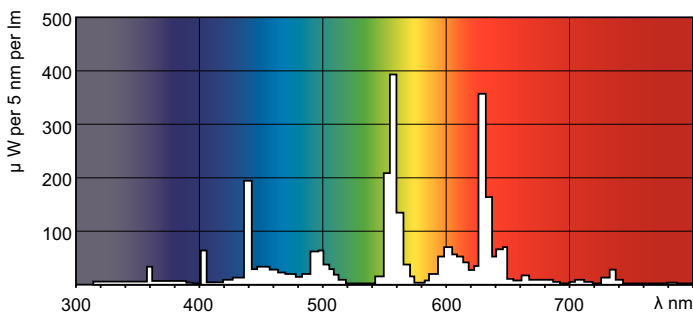
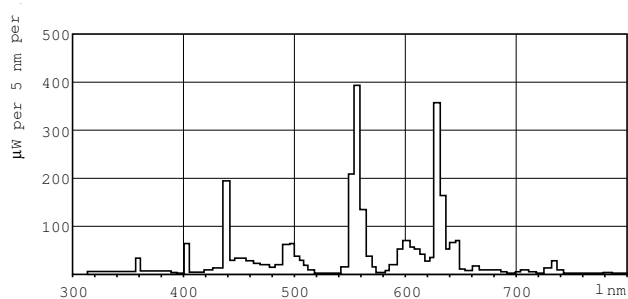
Dimensional drawing



| 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



Lightcolour /840

Lightcolour /840

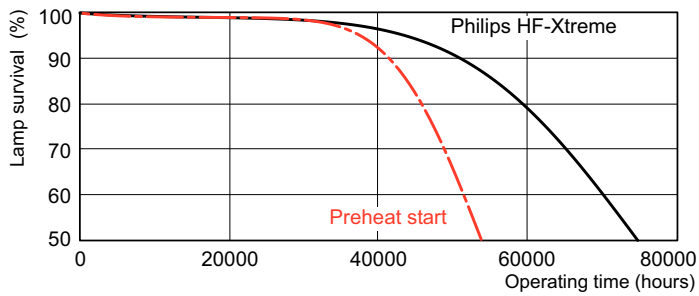
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Lifetime



LDLE_TL5HO8Xa_0001-Life expectancy diagram

LDLE_TL5HO8Xa_0002-Life expectancy diagram



LDLE_TL5HO8Xa_0003-Life expectancy diagram

LDLM_TL5HO8Xa_0001-Lumen maintenance diagram

