



MASTER TL5 High Output Xtra



MASTER TL5 HO Xtra 54W/840 1SL/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 | | Luminous Efficacy (@ Max Lumen, Rated) (Nom) 93 lm/W | |
|------------------------------------|---------------------|--|---------|
| Cap-Base | G5 [G5] | Chromaticity Coordinate X (Nom) | 0.38 |
| Life to 50% Failures Preheat (Nom) | 45000 h | Chromaticity Coordinate Y (Nom) | 0.38 |
| System Description | High Output (HO) | Colour Temperature, horizontal (Nom) | 4000 K |
| LSF Preheat 2000 h Rated | 100 % | Luminous Efficacy (rated) (Nom) | 83 lm/W |
| LSF Preheat 4000 h Rated | 99 % | Colour Rendering Index horiz (Max) | 85 |
| LSF Preheat 6000 h Rated | 99 % | Colour Rendering Index horiz (Min) | 80 |
| LSF Preheat 8000 h Rated | 99 % | Colour Rendering Index horiz (Nom) | 80 |
| LSF Preheat 16000 h Rated | 98 % | Depreciation 2000 hrs | 96 % |
| LSF Preheat 20000 h Rated | 97 % | LLMF 4000 h Rated | 95 % |
| Flux measurement reference | Sphere | Depreciation 5000 hrs | 94 % |
| | | LLMF 8000 h Rated | 93 % |
| | | LLMF 12000 h Rated | 92 % |
| | | LLMF 16000 h Rated | 91 % |
| | | LLMF 20000 h Rated | 90 % |
| Light technical | | | |
| Colour Code | 840 [CCT of 4000K] | | |
| Luminous Flux (Nom) | 4500 lm | | |
| Luminous Flux (Rated) (Nom) | 4500 lm | | |
| Colour Designation | Cool White (CW) | | |

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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

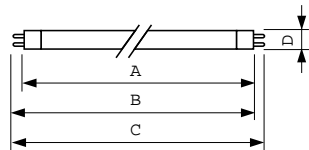
| | |
|----------------------------|------|
| Energy Efficiency Class | G |
| Mercury (Hg) Content (Max) | 3 mg |

| | |
|-------------------------------|--------|
| Mercury (Hg) Content (Nom) | 3.0 mg |
| Energy Consumption kWh/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 | 26352005 |
| 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 |

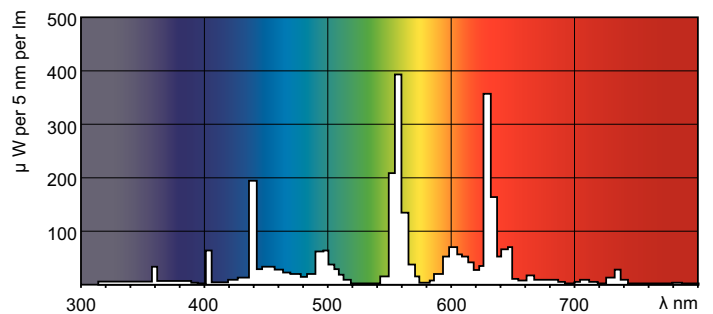
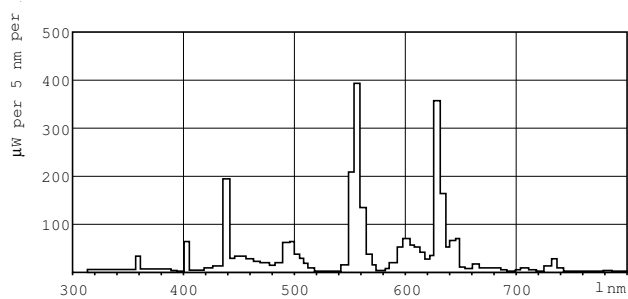
Dimensional drawing



| 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



Lightcolour /840

Lightcolour /840

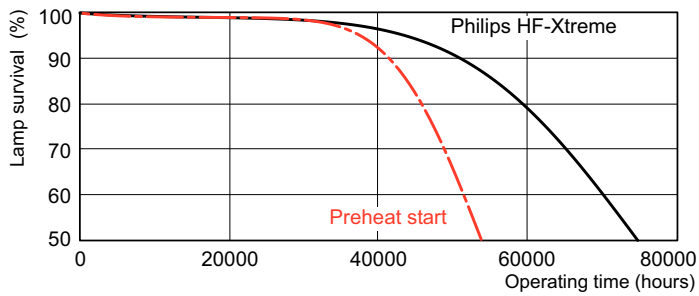
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Lifetime



LDLE_TL5HO8Xa_0001-Life expectancy diagram

LDLE_TL5HO8Xa_0002-Life expectancy diagram



LDLE_TL5HO8Xa_0003-Life expectancy diagram

LDLM_TL5HO8Xa_0001-Lumen maintenance diagram

