



MASTER TL5 High Efficiency



MASTER TL5 HE 21W/830 SLV/40

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

Warnings and Safety

- 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] | Luminous Flux (Rated) (Nom) | 1850 lm |
| Life to 50% Failures Preheat (Nom) | 24000 h | Color Designation | Warm White (WW) |
| Features | na [Not Applicable] | Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 101 lm/W |
| System Description | High Efficiency | Chromaticity Coordinate X (Nom) | 0.44 |
| LSF Preheat 2000 h Rated | 99 % | Chromaticity Coordinate Y (Nom) | 0.403 |
| LSF Preheat 4000 h Rated | 99 % | Correlated Color Temperature (Nom) | 3000 K |
| LSF Preheat 6000 h Rated | 99 % | Luminous Efficacy (rated) (Nom) | 90 lm/W |
| LSF Preheat 8000 h Rated | 99 % | Color Rendering Index (Max) | 85 |
| LSF Preheat 16000 h Rated | 97 % | Color Rendering Index (Min) | 80 |
| LSF Preheat 20000 h Rated | 84 % | Color Rendering Index (Nom) | 82 |
| Flux measurement reference | Sphere | 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 % |
| Light technical | | | |
| Color Code | 830 [CCT of 3000K] | | |
| Luminous Flux (Nom) | 1900 lm | | |

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|---------------------------------|------------------|
| LLMF 20000 h Rated | 90 % |
| Operating and electrical | |
| Power (Nom) | 20.8 W |
| Lamp Current (Nom) | 0.165 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) | 1.4 mg |
| Mercury (Hg) Content (Nom) | 1.4 mg |
| Energy Consumption kWh/1000 h | 21 kWh |
| EPREL Registration Number | 423452 |
| Product data | |
| Full product code | 871150063942455 |
| Order product name | MASTER TL5 HE 21W/830 SLV/40 |
| EAN/UPC - Product | 8711500639424 |
| Order code | 927926283055 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 40 |
| Material Nr. (12NC) | 927926283055 |
| Net Weight (Piece) | 79.200 g |
| ILCOS Code | FDH-21/30/1B-L/P-G5-16/850 |

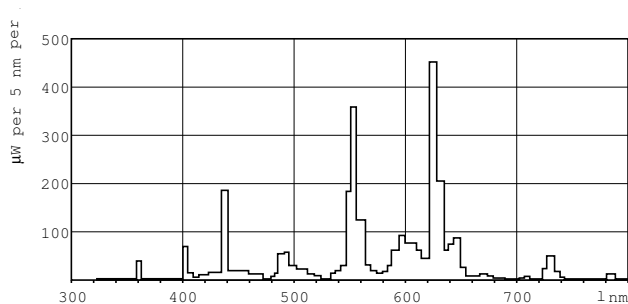
Dimensional drawing



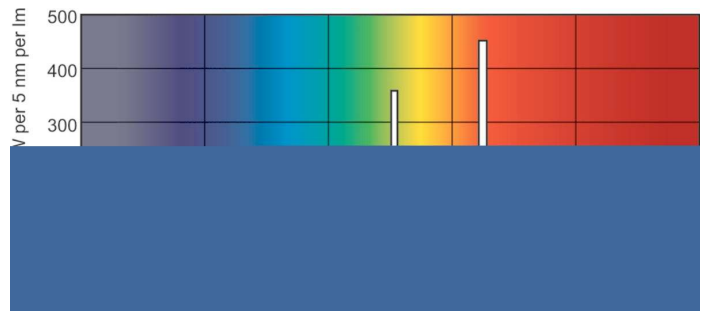
| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|------------------------------|---------|----------|----------|----------|----------|
| MASTER TL5 HE 21W/830 SLV/40 | 17 mm | 849.0 mm | 856.1 mm | 853.7 mm | 863.2 mm |

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Photometric data



LDPB_TL5-HE8_830-Spectral power distribution B/W



LDPO_TL5-HE8_830-Spectral power distribution Colour

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Lifetime



LDLE_TL5-HE8_0001-Life expectancy diagram

LDLE_TL5-HE8_0002-Life expectancy diagram



LDLM_TL5-HE8_0001-Lumen maintenance diagram

