



MASTER TL5 High Efficiency

MASTER TL5 HE 14W/840 UNP/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.) | 1200 lm |
| Life to 50% failures preheat (nom.) | 24000 h | Colour designation | Cool White (CW) |
| Features | na [Not Applicable] | Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 96 lm/W |
| System description | High Efficiency | Chromaticity coordinate X (nom.) | 0.38 |
| LSF preheat 2,000 hours rated | 99 % | Chromaticity coordinate Y (nom.) | 0.38 |
| LSF preheat 4,000 hours rated | 99 % | Correlated Colour Temperature (Nom) | 4000 K |
| LSF preheat 6,000 hours rated | 99 % | Luminous efficacy (rated) (nom.) | 86 lm/W |
| LSF preheat 8,000 hours rated | 99 % | Color rendering index (max.) | 85 |
| LSF preheat 16,000 hours rated | 97 % | Colour-rendering index (min.) | 80 |
| LSF preheat 20,000 hours rated | 84 % | Colour rendering index (nom.) | 80 |
| | 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 | | | |
| Colour Code | 841 [CCT of 4100K (841)] | | |
| Luminous flux (nom.) | 1200 lm | | |

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| | |
|---------------------------------|------------------|
| LLMF 20000 h Rated | 90 % |
| Operating and electrical | |
| Power (Rated) (Nom) | 14.0 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 (nom.) | 1.2 mg |
| Energy consumption kWh/1,000 hours | 14 kWh |
| | 423445 |
| Product data | |
| Full product code | 871150061066955 |
| Order product name | MASTER TL5 HE 14W/840 UNP/40 |
| EAN/UPC – product | 8711500610669 |
| Order code | 61066955 |
| SAP numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 40 |
| SAP material | 927926084018 |
| Copy Net Weight (Piece) | 52.000 g |
| ILCOS code | FDH-14/40/1B-L/P-G5-16/550 |

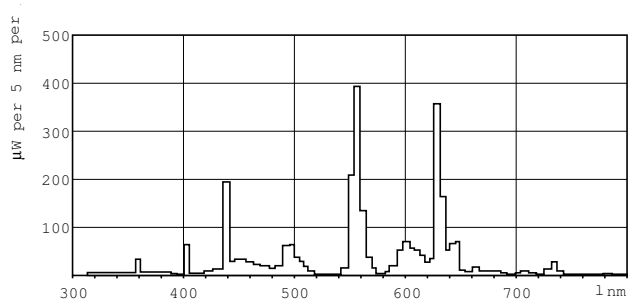
Dimensional drawing

1

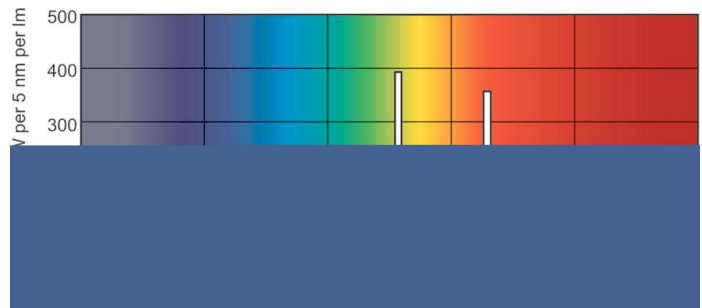
| Product | D (max) | A (max) | B (max) | B (min) | C (max) |
|------------------------------|---------|----------|----------|----------|----------|
| MASTER TL5 HE 14W/840 UNP/40 | 17 mm | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |

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Photometric data



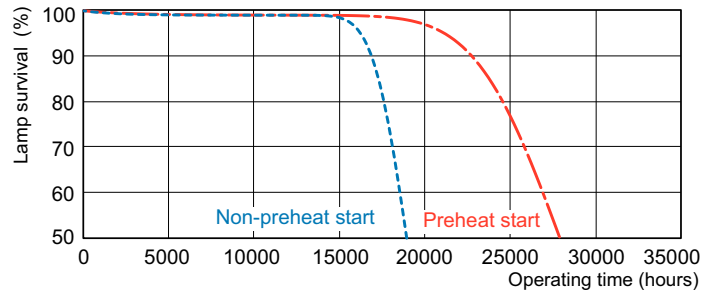
LDPB_TL5-HE8_840-Spectral power distribution B/W



Lightcolour /840

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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

