



MASTER TL5 High Efficiency

MASTER TL5 HE 28W/827 1SL

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.

Product data

• General Characteristics

| | |
|----------------------|-----------------|
| System Description | High Efficiency |
| Cap-Base | G5 |
| Cap-Base Information | Green Plate |
| Bulb | T5 [16 mm] |
| Life to 10% fail | 19000 hr |
| Preheat EL,3h | |
| Life to 50% fail | 24000 hr |
| Preheat EL,3h | |
| LSF HF Preheat | 99 % |
| 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 | 97 % |
| 16000h Rated,3h | |
| LSF HF Preheat | 84 % |
| 20000h Rated,3h | |

• Light Technical Characteristics

| | |
|-------------------|--------------------|
| Color Code | 827 [CCT of 2700K] |
| Color Rendering | 85 Ra8 |
| Index | |
| Color Designation | Incandescent White |
| (text) | |
| Color Temperature | 2700 K |
| Luminous Flux EL | 2625 Lm |
| 25°C, Rated | |
| Luminous Flux EL | 2625 Lm |
| 25°C, Nominal | |

| | |
|--------------------------------|----------|
| Luminous Flux Lamp | 2900 Lm |
| EL 35°C | |
| Lum Efficacy Rated | 94 Lm/W |
| HF 25°C | |
| Lum Efficacy Rated | 104 Lm/W |
| HF 35°C | |
| LLMF HF 2000h | 96 % |
| Rated | |
| LLMF HF 4000h | 95 % |
| Rated | |
| LLMF HF 6000h | 94 % |
| Rated | |
| LLMF HF 8000h | 93 % |
| Rated | |
| LLMF HF 12000h | 92 % |
| Rated | |
| LLMF HF 16000h | 91 % |
| Rated | |
| LLMF HF 20000h | 90 % |
| Rated | |
| Design Temperature | 35 C |
| Chromaticity Coord- inate X | 463 - |
| Chromaticity Coord- inate Y | 420 - |

• Electrical Characteristics

| | |
|-----------------|--------|
| Lamp Wattage | 28 W |
| Lamp Wattage EL | 27.9 W |
| 25°C, Rated | |
| Lamp Wattage EL | 28.0 W |
| 25°C, Nominal | |
| Lamp Wattage EL | 27.8 W |
| 35°C | |
| Lamp Voltage EL | 166 V |
| 25°C | |



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| | |
|-------------------------|---------|
| Lamp Voltage EL 35°C | 167 V |
| Lamp Current EL 25°C | 0.170 A |
| Lamp Current EL 35°C | 0.170 A |
| Dimmable | Yes |

• Environmental Characteristics

| | |
|----------------------------------|--------|
| Energy Efficiency Label (EEL) | A+ |
| Mercury (Hg) Content | 1.4 mg |
| Energy consumption kWh/1000h | 31 kWh |

• Measuring Conditions

| | |
|-------------------------------|---------|
| Calibration Current | 0.170 A |
| HF Generator Rated Voltage | 329 V |
| Resistor | 950 ohm |

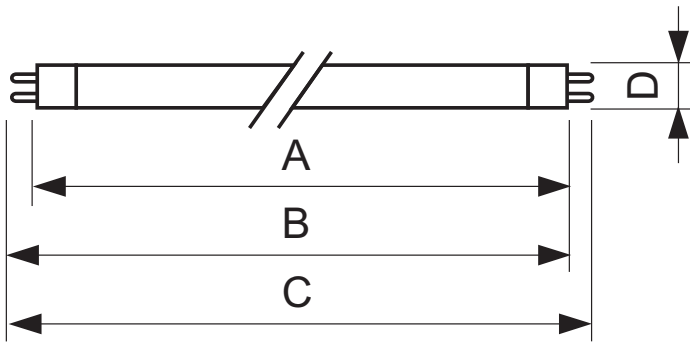
• Product Dimensions

| | |
|-----------------------------|-------------------------------|
| 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

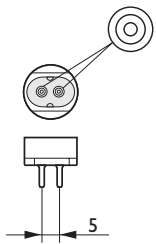
| | |
|--------------------------------|------------------------------|
| Order code | 927926582755 |
| Full product code | 927926582755 |
| Full product name | MASTER TL5 HE 28W/827 1SL |
| Order product name | MASTER TL5 HE 28W/827 1SL/40 |
| Pieces per pack | 1 |
| Packing configuration | 40 |
| Packs per outerbox | 40 |
| Bar code on pack - EAN1 | 8711500643223 |
| Bar code on outerbox - EAN3 | 8711500867575 |
| Logistic code(s) - 12NC | 927926582755 |
| ILCOS code | FDH-28/27/1B-L/P-G5-16/1150 |
| Net weight per piece | 96.600 gr |

Dimensional drawing



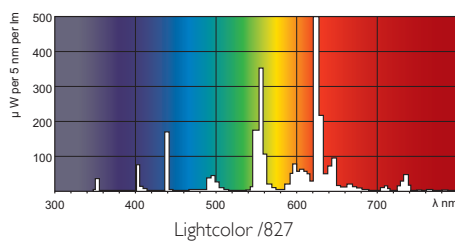
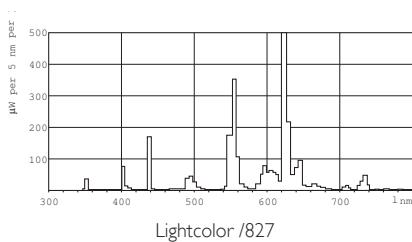
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| Product | A (Max) | B (Min) | B (Max) | C (Max) | D (Max) |
|-------------------|---------|---------|---------|---------|---------|
| TL5 28W/827/GP HE | 1149.0 | 1153.7 | 1156.1 | 1163.2 | 17 |



G5

Photometric data





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data subject to change