

# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/830 1SL/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.

## Product data

### • General Information

| | |
|---|---|
| Cap base | G5 [ G5] |
| Bulb shape | T5 [ 16 mm (T5)] |
| Life to 50% failures preheat (nom.) | 24000 h |
| Features | na [ Not Applicalbe] |
| System description | High Efficiency |
| LSF Preheat 2000 h Rated | 99 % |
| LSF Preheat 4000 h Rated | 99 % |
| LSF Preheat 6000 h Rated | 99 % |
| LSF Preheat 8000 h Rated | 99 % |
| LSF Preheat 16000 h Rated | 97 % |
| LSF Preheat 20000 h Rated | 84 % |

### • Light Technical

| | |
|---|---|
| Luminous flux (nom.) | 2900 lm |
| Luminous flux (rated) (nom.) | 2625 lm |
| Colour designation | Warm White (WW) |
| Luminous efficacy (@ max. lumen, rated) (nom.) | 104 lm/W |
| Chromaticity coordinate X (nom.) | 440 |
| Chromaticity coordinate Y (nom.) | 403 |
| Correlated colour temperature (nom.) | 3000 K |
| Luminous efficacy (rated) (nom.) | 94 lm/W |
| Color rendering index (max.) | 85 |
| Color rendering index (min.) | 80 |
| Color rendering index (nom.) | 82 |
| 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 % |

### • Operating and Electrical

| | |
|---|---|
| Power (Rated) (Nom) | 27.9 W |
| Lamp current (nom.) | 0.170 A |

### • Temperature

| | |
|---|---|
| Design temperature (nom.) | 35 °C |

### • Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |

### • Mechanical and Housing

| | |
|---|---|
| Cap base information | Green Plate |

### • Approval and Application

| | |
|---|---|
| Energy efficiency label (EEL) | A+ |

PHILIPS

# MASTER TL5 High Efficiency

| | |
|---|---|
| Mercury (Hg) content (nom.) | 1.4 mg |
| Energy Consumption kWh/1000 h | 31 kWh |

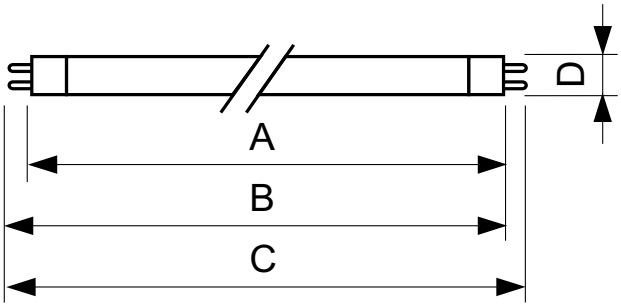
- Product Data

| | |
|---|---|
| Full product code | 871150063946255 |
| Order product name | MASTER TL5 HE 28W/830 SLV/40 |
| EAN/UPC – product | 8711500639462 |
| Order code | 63946255 |
| Numerator – quantity per pack | 1 |
| Numerator – packs per outer box | 40 |
| Material no. (12NC) | 927926583055 |
| Net weight (piece) | 105.000 g |
| ILCOS Code | FDH-28/30/1B-L/P-G5-16/1150 |

## 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.

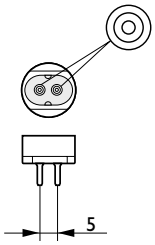
## Dimensional drawing



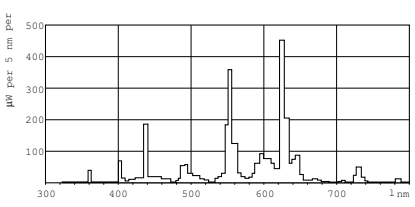

G5, T5

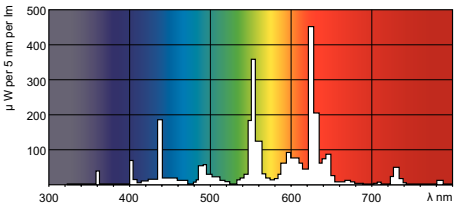
TL5 28W/830/GP HE

| Product | D | A | B | B | C |
|---|---|---|---|---|---|
| MASTER TL5 HE 28W/830 SLV/40 | 17 mm | 1149.0 mm | 1156.1 mm | 1153.7 mm | 1163.2 mm |




## Photometric data



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data subject to change