



# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/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                |                      | Color Designation                            |                 |
|------------------------------------|----------------------|--|-----------------|
| Cap-Base                           | G5 [ G5]             |  | Warm White (WW) |
| Life to 50% Failures Preheat (Nom) | 24000 h              | Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 104 lm/W        |
| Features                           | na [ Not Applicable] | Correlated Color Temperature (Nom)           | 3000 K          |
| System Description                 | High Efficiency      | Luminous Efficacy (rated) (Nom)              | 96 lm/W         |
| LSF Preheat 2000 h Rated           | 99 %                 | Color Rendering Index (Max)                  | 85              |
| LSF Preheat 4000 h Rated           | 99 %                 | Color Rendering Index (Min)                  | 80              |
| LSF Preheat 6000 h Rated           | 99 %                 | Color Rendering Index (Nom)                  | >80             |
| LSF Preheat 8000 h Rated           | 99 %                 | LLMF 2000 h Rated                            | 96 %            |
| LSF Preheat 16000 h Rated          | 97 %                 | LLMF 4000 h Rated                            | 95 %            |
| LSF Preheat 20000 h Rated          | 84 %                 | 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 %            |
| Light Technical                    |                      |  |                 |
| Color Code                         | 830 [ CCT of 3000K]  |  |                 |
| Luminous Flux (Nom)                | 2900 lm              |  |                 |
| Luminous Flux (Rated) (Nom)        | 2675 lm              |  |                 |

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| Operating and Electrical      |                  |
|-------------------------------|------------------|
| Power (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      |
| Bulb Shape                    | T5 [ 16 mm (T5)] |
| Approval and Application      |                  |
| Energy Efficiency Label (EEL) | A+               |

| 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                      | 927926583055                 |
| Numerator - Quantity Per Pack   | 1                            |
| Numerator - Packs per outer box | 40                           |
| Material Nr. (12NC)             | 927926583055                 |
| Net Weight (Piece)              | 104.500 g                    |
| ILCOS Code                      | FDH-28/30/1B-L/P-G5-16/1150  |

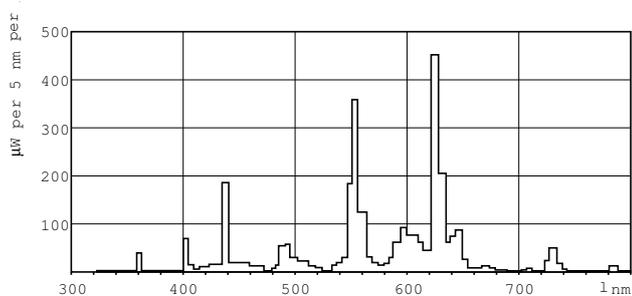
## Dimensional drawing



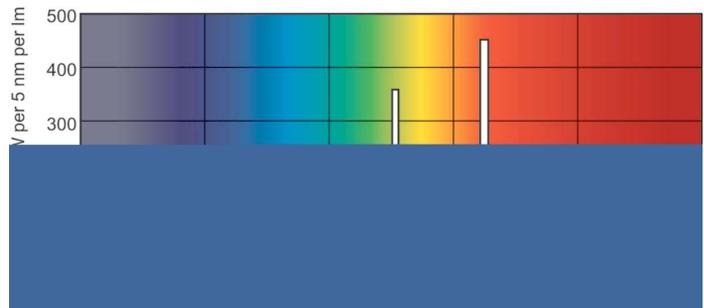
| Product                         | D (max) | A (max)   | B (max)   | B (min)   | C (max)   |
|---------------------------------|---------|-----------|-----------|-----------|-----------|
| MASTER TL5 HE<br>28W/830 SLV/40 | 17 mm   | 1149.0 mm | 1156.1 mm | 1153.7 mm | 1163.2 mm |

## TL5 28W/830/GP HE

## Photometric data



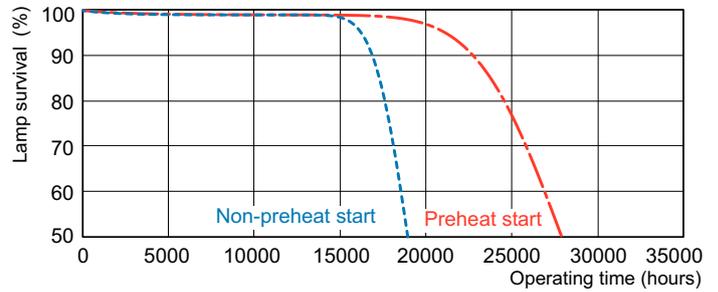
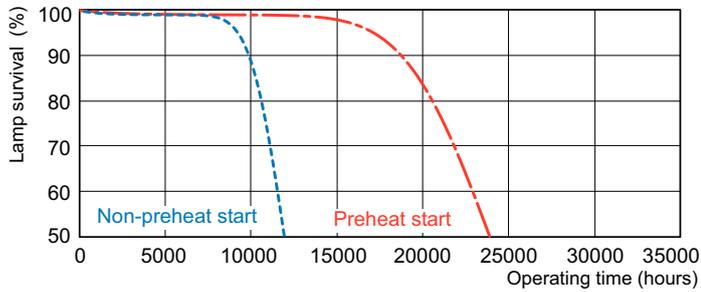
LDPB\_TL5-HE8\_830-Spectral power distribution B/W



LDPO\_TL5-HE8\_830-Spectral power distribution Colour

# MASTER TL5 High Efficiency

## Lifetime



LDLE\_TL5-HE8\_0001-Life expectancy diagram

LDLE\_TL5-HE8\_0002-Life expectancy diagram



LDLM\_TL5-HE8\_0001-Lumen maintenance diagram

