



# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/840 1SL/20

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                          |                      | Color Rendering Index (Max) |         |
|--|----------------------|-----------------------------|---------|
| Cap-Base                                     | G5 [ G5]             | Color Rendering Index (Min) | 80      |
| Life to 50% Failures Preheat (Nom)           | 24000 h              | Color Rendering Index (Nom) | 82      |
| Features                                     | na [ Not Applicable] | LLMF 2000 h Rated           | 96 %    |
| System Description                           | High Efficiency      | LLMF 4000 h Rated           | 95 %    |
| LSF Preheat 2000 h Rated                     | 99 %                 | LLMF 6000 h Rated           | 94 %    |
| LSF Preheat 4000 h Rated                     | 99 %                 | LLMF 8000 h Rated           | 93 %    |
| LSF Preheat 6000 h Rated                     | 99 %                 | LLMF 12000 h Rated          | 92 %    |
| LSF Preheat 8000 h Rated                     | 99 %                 | LLMF 16000 h Rated          | 91 %    |
| LSF Preheat 16000 h Rated                    | 97 %                 | LLMF 20000 h Rated          | 90 %    |
| LSF Preheat 20000 h Rated                    | 84 %                 |                             |         |
| Light Technical                              |                      | Operating and Electrical    |         |
| Color Code                                   | 840 [ CCT of 4000K]  | Power (Rated) (Nom)         | 27.9 W  |
| Luminous Flux (Nom)                          | 2900 lm              | Lamp Current (Nom)          | 0.170 A |
| Luminous Flux (Rated) (Nom)                  | 2675 lm              |                             |         |
| Color Designation                            | Cool White (CW)      | Temperature                 |         |
| Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 104 lm/W             | Design Temperature (Nom)    | 35 °C   |
| Correlated Color Temperature (Nom)           | 4000 K               |                             |         |
| Luminous Efficacy (Rated) (Nom)              | 96 lm/W              |                             |         |

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## Controls and Dimming

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

## Mechanical and Housing

|                      |             |
|----------------------|-------------|
| Cap-Base Information | Green Plate |
|----------------------|-------------|

## Approval and Application

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

## Product Data

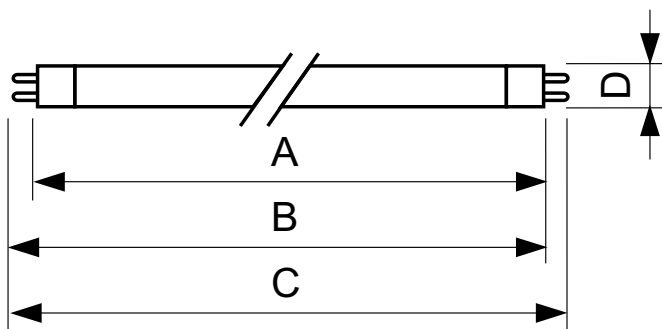
|                   |                 |
|-------------------|-----------------|
| Full product code | 871150063948605 |
|-------------------|-----------------|

|                                 |                              |
|---------------------------------|------------------------------|
| Order product name              | MASTER TL5 HE 28W/840 1SL/20 |
| EAN/UPC - Product               | 8711500639486                |
| Order code                      | 927926584061                 |
| Numerator - Quantity Per Pack   | 1                            |
| Numerator - Packs per outer box | 20                           |
| Material Nr. (12NC)             | 927926584061                 |
| Net Weight (Piece)              | 105.800 g                    |
| ILCOS Code                      | FDH-28/40/1B-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.

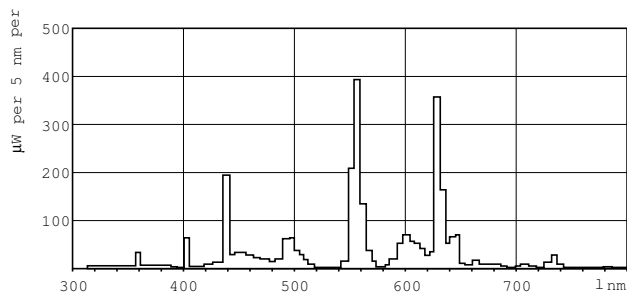
## Dimensional drawing



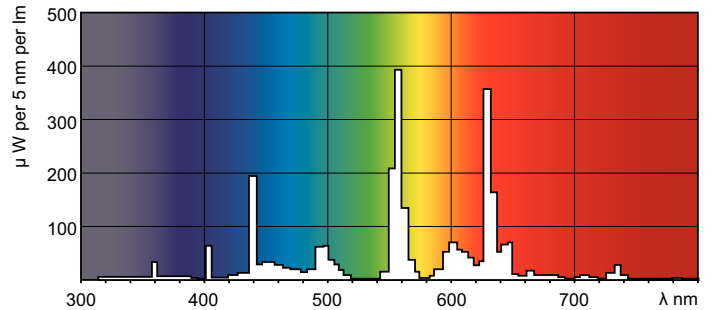
TL5 28W/840/GP HE

| Product                         | D (max) | A (max)   | B (max)   | B (min)   | C (max)   |
|---------------------------------|---------|-----------|-----------|-----------|-----------|
| MASTER TL5 HE<br>28W/840 1SL/20 | 17 mm   | 1149.0 mm | 1156.1 mm | 1153.7 mm | 1163.2 mm |

## Photometric data



Lightcolor /840



Lightcolor /840

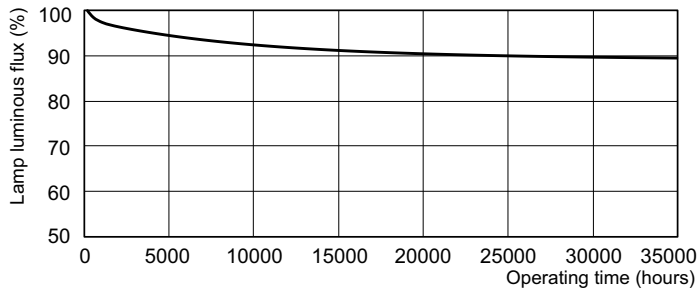
# MASTER TL5 High Efficiency

## Lifetime



MASTER TL5 HE Life Expectancy 3 h cycle

MASTER TL5 HE Life Expectancy 12 h cycle



MASTER TL5 HE Lumen Maintenance 3 h + 12 h cycle

