



# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/830 UNP/40

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

### Product data

| General Information                 |                      |
|-------------------------------------|----------------------|
| Cap base                            | G5 [ G5]             |
| Life to 50% failures preheat (nom.) | 24000 h              |
| Features                            | na [ Not Applicable] |
| 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                                |                       |
|--|-----------------------|
| Colour code                                    | 830 [ CCT of 3,000 K] |
| Luminous flux (nom.)                           | 2900 lm               |
| Luminous flux (rated) (nom.)                   | 2675 lm               |
| Colour designation                             | Warm white (WW)       |
| Luminous efficacy (@ max. lumen, rated) (nom.) | 104 lm/W              |
| Correlated colour temperature (nom.)           | 3000 K                |
| Luminous efficacy (rated) (nom.)               | 96 lm/W               |
| Color rendering index (max.)                   | 85                    |
| Color rendering index (min.)                   | 80                    |
| Color rendering index (nom.)                   | >80                   |

|                    |      |
|--------------------|------|
| 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+ |

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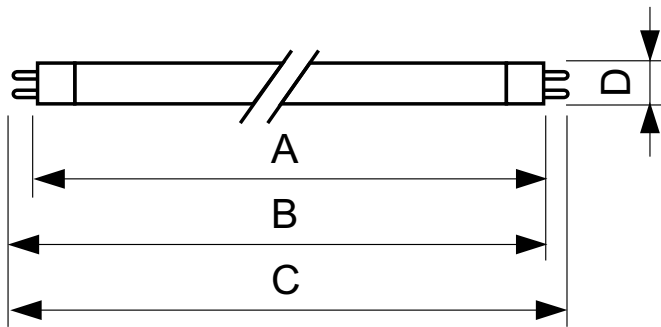
|                               |                              |
|-------------------------------|------------------------------|
| Mercury (Hg) content (nom.)   | 1.4 mg                       |
| Energy Consumption kWh/1000 h | 31 kWh                       |
| <b>Product Data</b>           |                              |
| Full product code             | 871150061081255              |
| Order product name            | MASTER TL5 HE 28W/830 UNP/40 |
| EAN/UPC – product             | 8711500610812                |
| Order code                    | 61081255                     |

|                                 |                             |
|---------------------------------|-----------------------------|
| Local Code                      | 28830IP                     |
| Numerator – quantity per pack   | 1                           |
| Numerator – packs per outer box | 40                          |
| Material no. (12NC)             | 927926583018                |
| Net weight (piece)              | 105.800 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.

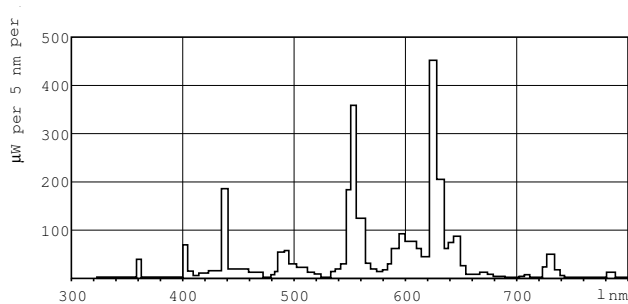
## Dimensional drawing



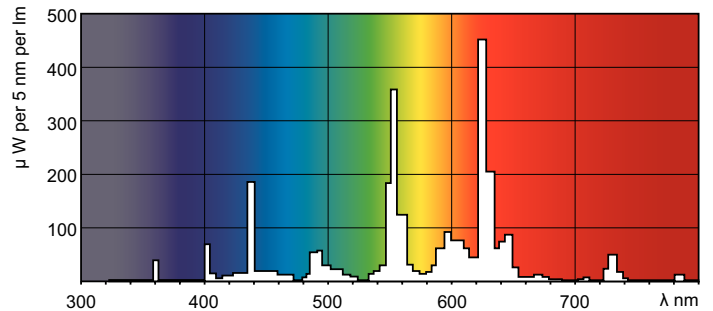
TL5 28W/830/GP HE

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

## Photometric data



Lightcolour /830



Lightcolour /830

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## Lifetime

