



# MASTER TL5 High Efficiency

## MASTER TL5 HE 14W/830 UNP/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                 |                       |
|-------------------------------------|-----------------------|
| Cap base                            | G5 [ G5]              |
| Life to 50% failures preheat (nom.) | 24000 h               |
| Features                            | na [ Not Applicable]  |
| System description                  | High Efficiency       |
| LSF preheat 2,000 hours rated       | 99 %                  |
| LSF preheat 4,000 hours rated       | 99 %                  |
| LSF preheat 6,000 hours rated       | 99 %                  |
| LSF preheat 8,000 hours rated       | 99 %                  |
| LSF preheat 16,000 hours rated      | 97 %                  |
| LSF preheat 20,000 hours rated      | 84 %                  |
| Light Technical                     |                       |
| Colour Code                         | 830 [ CCT of 3,000 K] |
| Luminous flux (nom.)                | 1350 lm               |
| Luminous flux (rated) (nom.)        | 1200 lm               |

|  |                 |
|--|-----------------|
| Colour designation                           | Warm White (WW) |
| Luminous Efficacy (@ Max Lumen, Rated) (Nom) | 96 lm/W         |
| Correlated Colour Temperature (Nom)          | 3000 K          |
| Luminous efficacy (rated) (nom.)             | 86 lm/W         |
| Color rendering index (max.)                 | 85              |
| Colour-rendering index (min.)                | 80              |
| Colour 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 %            |

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## Operating and Electrical

|                     |         |
|---------------------|---------|
| Power (Rated) (Nom) | 14 W    |
| Lamp current (nom.) | 0.165 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/1,000 hours | 15 kWh |

## Product Data

|                                   |                              |
|-----------------------------------|------------------------------|
| Full product code                 | 871150061063855              |
| Order product name                | MASTER TL5 HE 14W/830 UNP/40 |
| EAN/UPC – product                 | 8711500610638                |
| Order code                        | 61063855                     |
| SAP numerator – quantity per pack | 1                            |
| Numerator – packs per outer box   | 40                           |
| SAP material                      | 927926083018                 |
| SAP net weight (piece)            | 52.000 g                     |
| ILCOS code                        | FDH-14/30/1B-L/P-G5-16/550   |

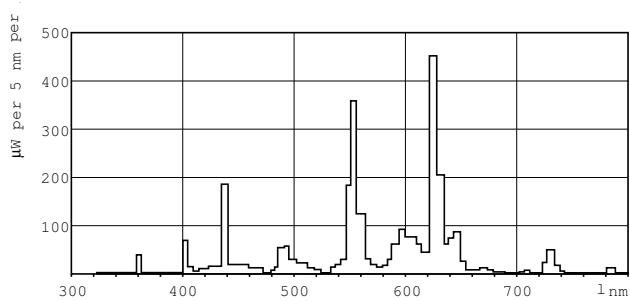
## Dimensional drawing



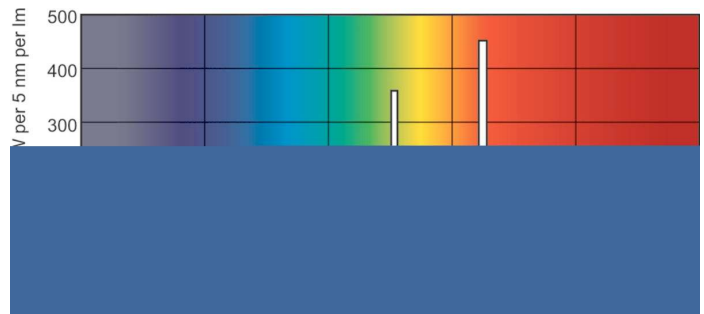
| Product                      | D (max) | A (max)  | B (max)  | B (min)  | C (max)  |
|------------------------------|---------|----------|----------|----------|----------|
| MASTER TL5 HE 14W/830 UNP/40 | 17 mm   | 549.0 mm | 556.1 mm | 553.7 mm | 563.2 mm |

## TL5 14W/830/GP HE

## Photometric data



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



Lightcolour /830

# 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

