



# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/830 1SL/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] |
| Lamp Luminous Flux 25°C EL (Nom)               | 2900 lm               |
| Lamp Luminous Flux (Nom)                       | 2675 lm               |
| Colour Designation                             | Warm white (WW)       |
| Luminous efficacy (@ max. lumen, rated) (nom.) | 104 lm/W              |
| Colour Temperature, horizontal (Nom)           | 3000 K                |
| Lamp Luminous Efficacy EM (Nom)                | 96 lm/W               |
| Colour Rendering Index,horiz (Max)             | 85                    |
| Colour Rendering Index,horiz (Min)             | 80                    |
| Colour Rendering Index,horiz (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 |

## 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)              | 104.500 g                   |
| ILCOS Code                      | FDH-28/30/1B-L/P-G5-16/1150 |

## Warnings and Safety

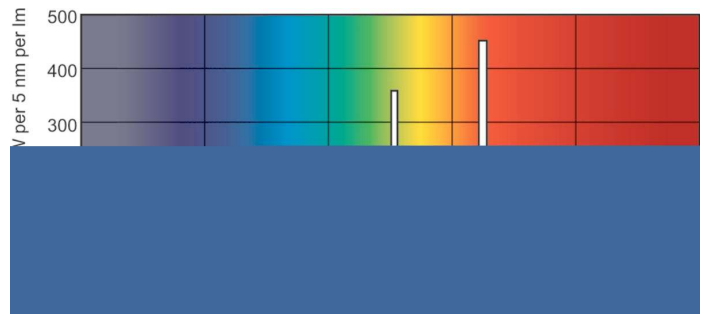
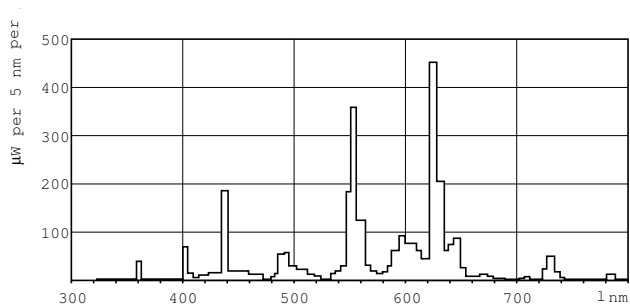
## Dimensional drawing



| 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



## Lightcolour /830

## 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

