



MASTER TL5 High Efficiency

MASTER TL5 HE 14W/830 1SL

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

Product data

• General Characteristics

| | |
|----------------------|-----------------|
| System Description | High Efficiency |
| Cap-Base | G5 |
| Cap-Base Information | Green Plate |
| Bulb | T5 [16 mm] |
| Life to 10% fail | 19000 hr |
| Preheat EL,3h | |
| Life to 50% fail | 24000 hr |
| Preheat EL,3h | |
| LSF HF Preheat | 99 % |
| 2000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 4000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 6000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 8000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 12000h Rated,3h | |
| LSF HF Preheat | 97 % |
| 16000h Rated,3h | |
| LSF HF Preheat | 84 % |
| 20000h Rated,3h | |

• Light Technical Characteristics

| | |
|------------------------|--------------------|
| Colour Code | 830 [CCT of 3000K] |
| Colour Rendering Index | 85 Ra8 |
| Colour Designation | Warm white |
| Colour Temperature | 3000 K |
| Luminous Flux EL | 1250 Lm |
| 25°C, Rated | |
| Luminous Flux EL | 1250 Lm |
| 25°C, Nominal | |
| Luminous Flux Lamp | 1350 Lm |
| EL 35°C | |

| | |
|---------------------------|---------|
| Lum Efficacy Rated | 89 Lm/W |
| HF 25°C | |
| Lum Efficacy Rated | 99 Lm/W |
| HF 35°C | |
| LLMF HF 2000h | 96 % |
| Rated | |
| LLMF HF 4000h | 95 % |
| Rated | |
| LLMF HF 6000h | 94 % |
| Rated | |
| LLMF HF 8000h | 93 % |
| Rated | |
| LLMF HF 12000h | 92 % |
| Rated | |
| LLMF HF 16000h | 91 % |
| Rated | |
| LLMF HF 20000h | 90 % |
| Rated | |
| Design Temperature | 35 C |
| Chromaticity Coordinate X | 440 - |
| Chromaticity Coordinate Y | 403 - |

• Electrical Characteristics

| | |
|-----------------|--------|
| Lamp Wattage | 14 W |
| Lamp Wattage EL | 14.0 W |
| 25°C, Rated | |
| Lamp Wattage EL | 14 W |
| 25°C, Nominal | |
| Lamp Wattage EL | 13.7 W |
| 35°C | |
| Lamp Voltage EL | 86 V |
| 25°C | |
| Lamp Voltage EL | 82 V |
| 35°C | |



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MASTER TL5 High Efficiency

Lamp Current EL 25°C 0.165 A
 Lamp Current EL 35°C 0.170 A
 Dimmable yes

Insertion Length B 553.7 (min), 556.1 (max) mm
 Overall Length C 563.2 (max) mm
 Diameter D 17 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL) A+
 Mercury (Hg) Content 1.4 mg

• Measuring Conditions

Calibration Current 0.170 A
 HF Generator Rated Voltage 167 V
 Resistor 500 ohm

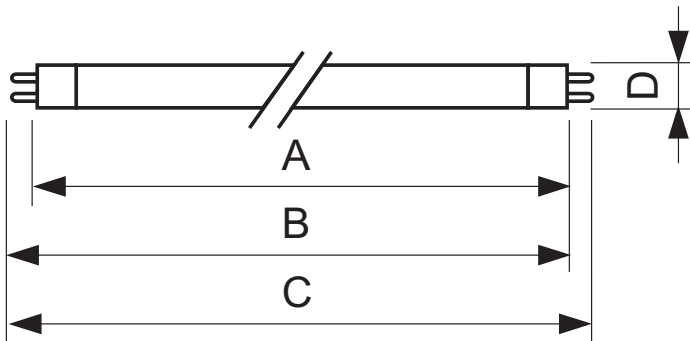
• Product Dimensions

Base Face to Base Face A 549.0 (max) mm

• Product Data

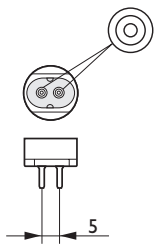
Order code 639387 55
 Full product code 871150063938755
 Full product name MASTER TL5 HE 14W/830 1SL
 Order product name MASTER TL5 HE 14W/830 1SL/40
 Pieces per pack 1
 Packing configuration 40
 Packs per outerbox 40
 Bar code on pack - EAN1 8711500639387
 Bar code on outerbox - EAN3 8711500867469
 Logistic code(s) - 12NC 927926083055
 ILCOS code FDH-14/30/1B-L/P-G5-16/550
 Net weight per piece 54.000 gr

Dimensional drawing



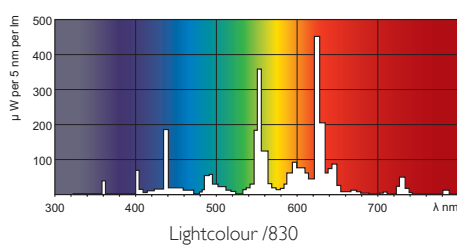
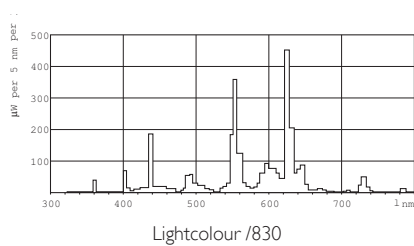
MASTER TL5 HE 14W/830 UNP

| Product | A (Max) | B (Min) | B (Max) | C (Max) | D (Max) |
|-------------------|---------|---------|---------|---------|---------|
| TL5 14W/830/GP HE | 549.0 | 553.7 | 556.1 | 563.2 | 17 |



G5

Photometric data





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data subject to change