



# MASTER TL5 High Efficiency

MASTER TL5 HE 35W/840 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            | 840 [CCT of 4000K]               |
| Colour Rendering Index | 80 (min), 82 (nom), 85 (max) Ra8 |
| Colour Designation     | Cool White                       |
| Colour Temperature     | 4000 K                           |
| Luminous Flux EL       | 3325 Lm                          |
| 25°C, Rated            |                                  |
| Luminous Flux EL       | 3325 Lm                          |
| 25°C, Nominal          |                                  |
| Luminous Flux Lamp     | 3650 Lm                          |
| EL 35°C                |                                  |

|                           |          |
|---------------------------|----------|
| Lum Efficacy Rated        | 94 Lm/W  |
| HF 25°C                   |          |
| Lum Efficacy Rated        | 105 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 | 380 -    |
| Chromaticity Coordinate Y | 380 -    |

### • Electrical Characteristics

|                 |        |
|-----------------|--------|
| Lamp Wattage    | 35 W   |
| Lamp Wattage EL | 35.5 W |
| 25°C, Rated     |        |
| Lamp Wattage EL | 35.0 W |
| 25°C, Nominal   |        |
| Lamp Wattage EL | 34.7 W |
| 35°C            |        |
| Lamp Voltage EL | 205 V  |
| 25°C            |        |
| Lamp Voltage EL | 209 V  |
| 35°C            |        |



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# PHILIPS

# MASTER TL5 High Efficiency

Lamp Current EL 25°C 0.175 A  
 Lamp Current EL 35°C 0.170 A  
 Dimmable yes

Insertion Length B 1453.7 (min), 1456.1 (max) mm  
 Overall Length C 1463.2 (max) mm  
 Diameter D 17 (max) mm

### • Environmental Characteristics

Energy Efficiency Label (EEL) A+  
 Mercury (Hg) Content 1.4 mg  
 Energy consumption kWh/1000h 38 kWh

### • Measuring Conditions

Calibration Current 0.170 A  
 HF Generator Rated Voltage 413 V  
 Resistor 1200 ohm

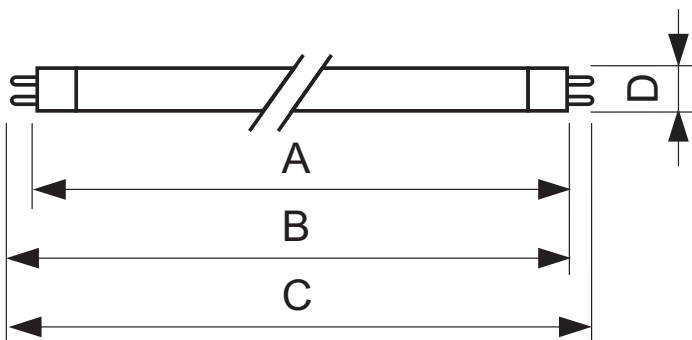
### • Product Dimensions

Base Face to Base Face A 1449.0 (max) mm

### • Product Data

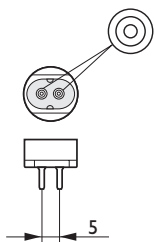
Order code 639523 55  
 Full product code 871150063952355  
 Full product name MASTER TL5 HE 35W/840 1SL  
 Order product name MASTER TL5 HE 35W/840 1SL/40  
 Pieces per pack 1  
 Packing configuration 40  
 Packs per outerbox 40  
 Bar code on pack - EAN1 8711500639523  
 Bar code on outerbox - EAN3 8711500867681  
 Logistic code(s) - 12NC 927927084055  
 ILCOS code FDH-35/40/1B-L/P-G5-16/1450  
 Net weight per piece 128.700 gr

## Dimensional drawing



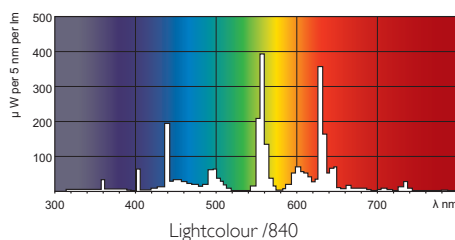
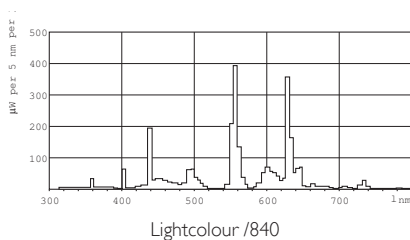
### MASTER TL5 HE 35W/840 1SL

| Product           | A (Max) | B (Min) | B (Max) | C (Max) | D (Max) |
|-------------------|---------|---------|---------|---------|---------|
| TL5 HE 35W/840/GP | 1449.0  | 1453.7  | 1456.1  | 1463.2  | 17      |



G5

## Photometric data





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2015, February 23  
data subject to change