



MASTER TL5 High Efficiency Eco

MASTER TL5 HE Eco 32=35W/840 1SL

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HE Eco lamp offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

Product data

• General Characteristics

| | |
|------------------|------------|
| Cap-Base | G5 |
| Bulb | T5 [16 mm] |
| Life to 50% fail | 25000 hr |
| Preheat EL,3h | |
| Life to 10% fail | 21000 hr |
| Preheat EL,3h | |
| LSF HF Preheat | 94 % |
| 20000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 16000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 12000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 8000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 6000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 4000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 2000h Rated,3h | |

• Light Technical Characteristics

| | |
|----------------------------|--------------------|
| Color Code | 840 [CCT of 4000K] |
| Color Rendering Index | 85 Ra8 |
| Color Designation (text) | Cool White |
| Color Temperature | 4000 K |
| Chromaticity Coordinate X | 380 - |
| Chromaticity Coordinate Y | 380 - |
| Luminous Flux Lamp EL 35°C | 3650 Lm |

| | |
|--------------------------------|------------------------|
| Luminance Average EL 25°C | 1.5 cd/cm ² |
| Lum Efficacy Rated HF 25°C | 98 Lm/W |
| Lum Efficacy Rated HF 35°C | 111 Lm/W |
| LLMF HF 20000h Rated | 90 % |
| LLMF HF 16000h Rated | 91 % |
| LLMF HF 12000h Rated | 92 % |
| LLMF HF 8000h Rated | 93 % |
| LLMF HF 6000h Rated | 94 % |
| LLMF HF 4000h Rated | 95 % |
| LLMF HF 2000h Rated | 96 % |
| Luminous Flux EL 25°C, Rated | 3100 Lm |
| Luminous Flux EL 25°C, Nominal | 3100 Lm |
| Design Temperature | 35 C |

• Electrical Characteristics

| | |
|----------------------|---------|
| Lamp Wattage | 32 W |
| Lamp Voltage EL 25°C | 184 V |
| Lamp Current EL 25°C | 0.175 A |
| Dimmable | Yes |
| Lamp Wattage EL 35°C | 32.1 W |



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sense and simplicity

MASTER TL5 High Efficiency Eco

| | |
|----------------------------------|---------|
| Lamp Current EL 35°C | 0.170 A |
| Lamp Voltage EL 35°C | 192 V |
| Lamp Wattage EL 25°C, Rated | 31.6 W |
| Lamp Wattage EL 25°C, Nominal | 32 W |

• Environmental Characteristics

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

• Measuring Conditions

| | |
|-------------------------------|----------|
| Calibration Current | 170 A |
| HF Generator Rated Voltage | 394 V |
| Resistor | 1200 ohm |

• Product Dimensions

| | |
|-----------------------------|-----------------|
| Base Face to Base Face A | 1449.0 (max) mm |
|-----------------------------|-----------------|

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

• Product Data

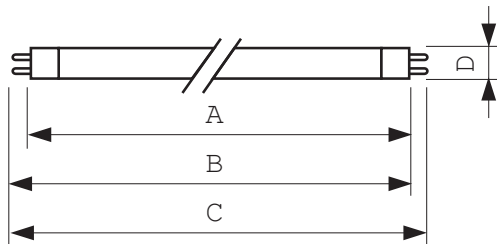
| | |
|--------------------------------|--|
| Order code | 927991184032 |
| Full product code | 927991184032 |
| Full product name | MASTER TL5 HE Eco 32=35W/840 1SL |
| Order product name | MASTER TL5 HE Eco 32=35W/840 1SL/20 |
| Pieces per pack | 1 |
| Packing configuration | 20 |
| Packs per outerbox | 20 |
| Bar code on pack - EAN1 | 8727900908268 |
| Bar code on outerbox - EAN3 | 8727900908275 |
| Logistic code(s) - 12NC | 927991184032 |
| ILCOS code | FDH-32/40/1B-L/P-G5-16/1450 |
| Net weight per piece | 128.700 gr |

Warnings and Safety

- Energy reduction is only achieved with current-controlled gear
- The lamps operate perfectly with power-controlled gear, but in that case give more light output instead of using less energy

- Depending on the technical design of the ballast the increase of light output can be up to 10 % with a fully power-controlled ballast

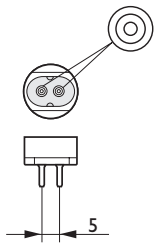
Dimensional drawing



G5, T5

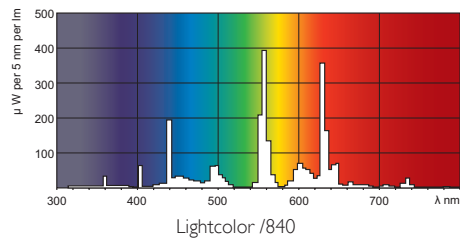
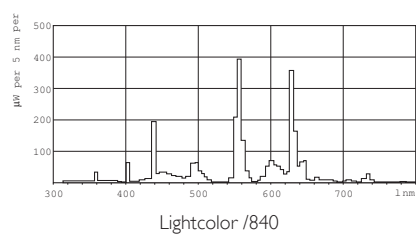
| Product | A (Max) | B (Min) | B (Max) | C (Max) | D (Max) |
|-----------------------|---------|---------|---------|---------|---------|
| TL5 HE Eco 32=35W/840 | 1449.0 | 1453.7 | 1456.1 | 1463.2 | 17 |

Dimensional drawing



G5

Photometric data



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data subject to change