



MASTER PL-T 4 Pin

MASTER PL-T 32W/840/4P 1CT

MASTER PL-T is an efficient compact fluorescent lamp, typically used in general downlights for retail, hospitality and office applications demanding higher lighting levels. The original Philips-invented bridge technology guarantees optimum performance in the application, enabling more light and higher efficacy than the bended technology. The 4-pin version is designed for operation on electronic gear and is provided with a plug-in/pull-out lamp base.

Product data

• General Characteristics

| | |
|----------------------|----------|
| Cap-Base | GX24q-3 |
| Cap-Base Information | 4P |
| Life to 50% fail | 13000 hr |
| Preheat EL,3h | |
| Life to 50% fail | 7000 hr |
| Nonpreh EL,3h | |
| Life to 10% fail | 4500 hr |
| Nonpreh EL,3h | |
| Life to 10% fail | 8000 hr |
| Preheat EL,3h | |
| LSF HF Preheat | 60 % |
| 12000h Rated,3h | |
| LSF HF Preheat | 90 % |
| 8000h Rated,3h | |
| LSF HF Preheat | 97 % |
| 6000h Rated,3h | |
| LSF HF Preheat | 98 % |
| 4000h Rated,3h | |
| LSF HF Preheat | 99 % |
| 2000h Rated,3h | |

• Light Technical Characteristics

| | |
|----------------------------|--------------------|
| Color Code | 840 [CCT of 4000K] |
| Color Rendering Index | 82 Ra8 |
| Color Designation (text) | Cool White |
| Color Temperature | 4000 K |
| Chromaticity Coordinate X | 380 - |
| Chromaticity Coordinate Y | 379 - |
| Lum Efficacy Rated HF 25°C | 75 (min) Lm/W |

| | |
|--------------------|---------|
| LLMF HF 12000h | 81 % |
| Rated | |
| LLMF HF 8000h | 84 % |
| Rated | |
| LLMF HF 6000h | 86 % |
| Rated | |
| LLMF HF 4000h | 88 % |
| Rated | |
| LLMF HF 2000h | 92 % |
| Rated | |
| Luminous Flux EL | 2400 Lm |
| 25°C, Rated | |
| Luminous Flux EL | 2400 Lm |
| 25°C, Nominal | |
| Design Temperature | 28 C |

• Electrical Characteristics

| | |
|-----------------|---------|
| Lamp Wattage | 32 W |
| Lamp Voltage EL | 100 V |
| 25°C | |
| Lamp Current EL | 0.320 A |
| 25°C | |
| Dimmable | Yes |
| Lamp Wattage EL | 32.0 W |
| 25°C, Rated | |
| Lamp Wattage EL | 32 W |
| 25°C, Nominal | |

• Environmental Characteristics

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



MASTER PL-T 4 Pin

• Measuring Conditions

| | |
|----------------------------|---------|
| Calibration Current | 0.320 A |
| HF Generator Rated Voltage | 200 V |
| Resistor | 315 ohm |

• Product Dimensions

| | |
|--------------------------|----------------|
| Base Face to Base Face A | 98.7 (max) mm |
| Insertion Length B | 123.0 (max) mm |
| Overall Length C | 138.7 (max) mm |
| Diameter D | 41.0 (max) mm |

• Product Data

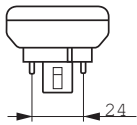
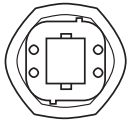
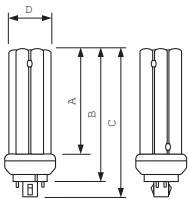
| | |
|-------------------|--------------|
| Order code | 927914784071 |
| Full product code | 927914784071 |

| | |
|---|-----------------------------------|
| Full product name | MASTER PL-T 32W/840/4P 1CT |
| Order product name | MASTER PL-T 32W/840/4P 1CT/5X10CC |
| Pieces per pack | 1 |
| Packing configuration | 5X10CC |
| Packs per outerbox | 50 |
| Bar code on pack - EAN1 | 8711500611314 |
| Bar code on intermediate packing - EAN2 | 8711500611321 |
| Bar code on outerbox - EAN3 | 8711500611338 |
| Logistic code(s) - 12NC | 927914784071 |
| ILCOS code | FSMH-32/40/1B-L/P-GX24q=3 |
| Net weight per piece | 70.000 gr |

Warnings and Safety

- Lamp light technical and electrical characteristics are influenced by operating conditions, i.e. lamp ambient temperature and operating position as well as applied HF control gear
- Shorter lamp life when often switching and not well pre-heated electrodes

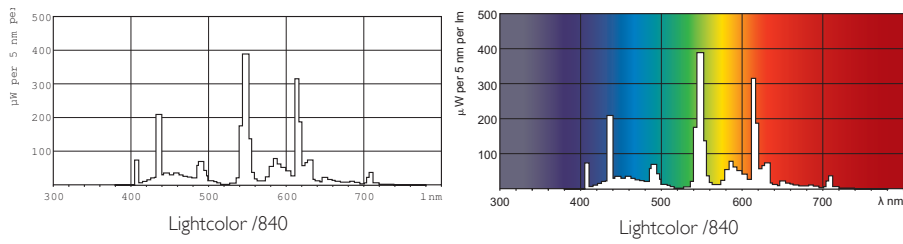
Dimensional drawing



GX24q-3, 4P

| Product | A (Max) | B (Max) | C (Max) | D (Max) |
|-------------------|---------|---------|---------|---------|
| PL-T 32W/840/4P M | 98.7 | 123.0 | 138.7 | 41.0 |

Photometric data



Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.

1.3 Product information requirements on lamps

a) Nominal and rated lamp wattage;

b) Nominal and rated lamp luminous flux;

c) Rated lamp efficacy at 100 h in standard conditions (25 °C, for T5 lamps at 35 °C). For fluorescent lamps both at 50 Hz (mains frequency) operation (where applicable) and at High Frequency (> 50 Hz) operation (where applicable) for the same rated luminous flux in all cases, indicating for High Frequency operation the calibration current of the test conditions and/or the rated voltage of the HF generator with the resistance. It shall be stated in a conspicuous manner that the power dissipated by auxiliary equipment such as ballasts is not included in the power consumed by the source;

d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;

e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;

f) Lamp mercury content as X.X mg;

g) Colour Rendering Index (Ra) of the lamp;

h) Colour temperature of the lamp;

i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;

j) For fluorescent lamps without integrated ballast, the energy efficiency index(es) of ballasts as defined in Table 17 with which the lamp can operate.

See Table 17-EuP245.pdf for Table 17 – Energy efficiency index requirements for non-dimmable ballasts for fluorescent lamps.

For more information see: <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF>



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www.philips.com/lighting

2011, October 29
data subject to change