



MASTER PL-R Eco 4 Pin



MASTER PL-R Eco 14W/840/4P 1CT/5X10BOX

MASTER PL-R Eco is an extremely efficient compact fluorescent lamp for downlight applications. It consists of six parallel tubes with a new innovative 'twist and lock' lamp base, designed for operation with electronic gear. The MASTER PL-R Eco contains the original bridge technology invented and patented by Philips. This guarantees optimum performance in the application and results in significantly higher efficacies than with regular compact fluorescent lamps. On top of that, MASTER PL-R Eco lamps offer more than double the service life of a standard compact fluorescent lamp, thanks to superior lumen maintenance. The 'twist and lock' lamp base provides easy and safe (dis-)mounting and sturdy fixation in the luminaire.

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
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

| General information | |
|------------------------------------|--------------------|
| Cap-Base | GR14Q-1 [GR14q-1] |
| Life to 50% Failures Preheat (Nom) | 24000 h |
| LSF Preheat 2000 h Rated | 99 % |
| LSF Preheat 4000 h Rated | 99 % |
| LSF Preheat 6000 h Rated | 99 % |
| LSF Preheat 8000 h Rated | 98 % |

| LSF Preheat 16000 h Rated | 94 % |
|----------------------------|---------------------|
| LSF Preheat 20000 h Rated | 87 % |
| Flux measurement reference | Sphere |
| Light technical | |
| Color Code | 840 [CCT of 4000K] |
| Luminous Flux (Nom) | 1000 lm |

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| | |
|--|-----------------|
| Luminous Flux (Rated) (Nom) | 1050 lm |
| Color Designation | Cool White (CW) |
| Luminous Efficacy (@ Max Lumen, Rated) (Max) | 80 lm/W |
| Chromaticity Coordinate X (Nom) | 0.38 |
| Chromaticity Coordinate Y (Nom) | 0.38 |
| Correlated Color Temperature (Nom) | 4000 K |
| Luminous Efficacy (rated) (Nom) | 72 lm/W |
| Color Rendering Index (Nom) | 80 |
| LLMF 2000 h Rated | 96 % |
| LLMF 4000 h Rated | 94 % |
| LLMF 6000 h Rated | 93 % |
| LLMF 8000 h Rated | 92 % |
| LLMF 12000 h Rated | 91 % |
| LLMF 16000 h Rated | 90 % |
| LLMF 20000 h Rated | 89 % |

Operating and electrical

| | |
|--------------------|---------|
| Power (Nom) | 14.7 W |
| Lamp Current (Nom) | 0.150 A |

Temperature

| | |
|--------------------------|-------|
| Design Temperature (Nom) | 35 °C |
|--------------------------|-------|

Controls and dimming

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|----------|-----|
| Dimmable | Yes |
|----------|-----|

Mechanical and housing

| | |
|----------------------|--------|
| Cap-Base Information | 4 Pins |
|----------------------|--------|

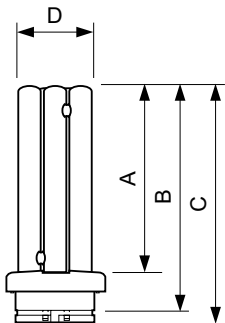
Approval and application

| | |
|-------------------------------|--------|
| Energy Efficiency Class | G |
| Mercury (Hg) Content (Max) | 1.4 mg |
| Mercury (Hg) Content (Nom) | 1.4 mg |
| Energy Consumption kWh/1000 h | 15 kWh |
| EPREL Registration Number | 423321 |

Product data

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|---------------------------------|--|
| Full product code | 871150026598270 |
| Order product name | MASTER PL-R Eco 14W/840/4P 1CT/ 5X10BOX |
| EAN/UPC - Product | 8711500265982 |
| Order code | 927909984050 |
| Numerator - Quantity Per Pack | 1 |
| Local code description | MASTER PL-R Eco 14W/840/4P 1CT/ 5X10BOX |
| Numerator - Packs per outer box | 50 |
| Material Nr. (12NC) | 927909984050 |
| Net Weight (Piece) | 70.000 g |
| ILCOS Code | FSM6H-14/40/1B-L/P-GR14q=1 |

Dimensional drawing

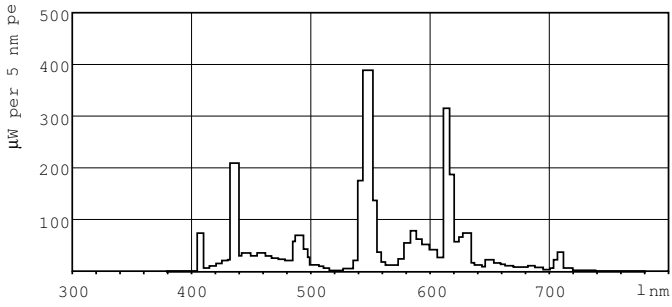


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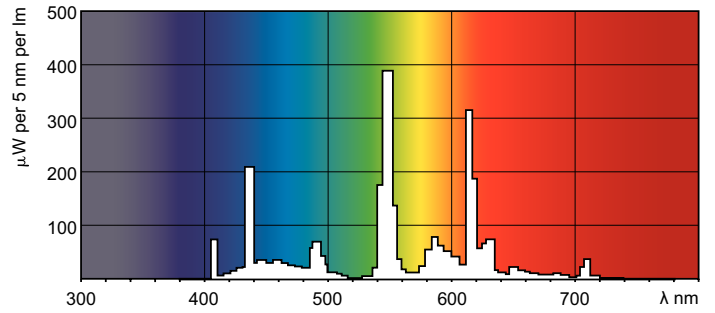
| Product | D (max) | A (max) | B (max) | C (max) |
|--|---------|---------|----------|----------|
| MASTER PL-R Eco 14W/840/4P 1CT/ 5X10BOX | 41.0 mm | 99.7 mm | 120.0 mm | 126.6 mm |

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Photometric data

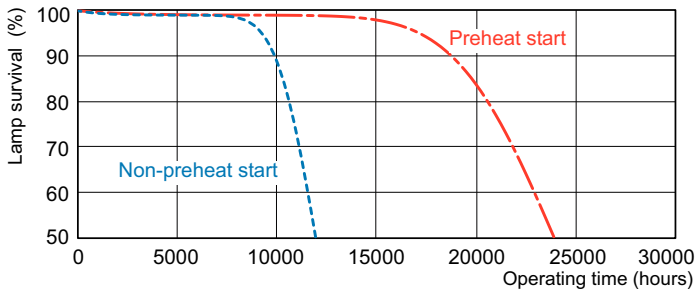


LDPB_PLR4P_840-Spectral power distribution B/W

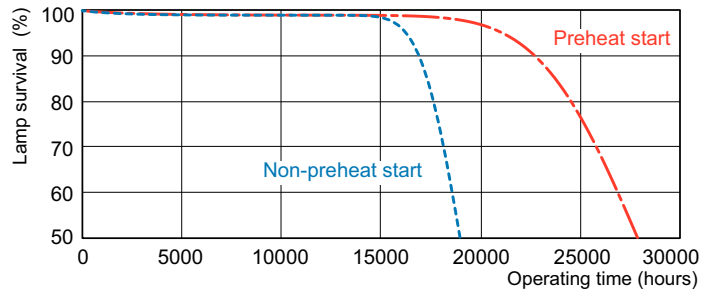


LDPO_PLR4P_840-Spectral power distribution Colour

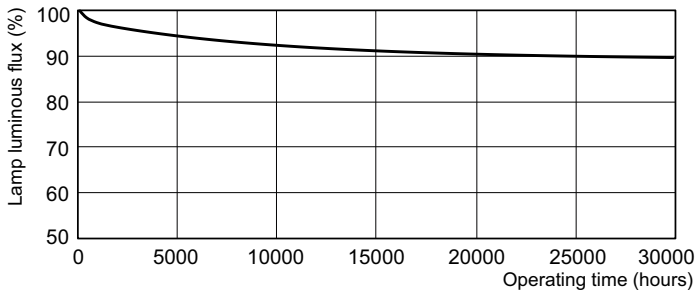
Lifetime



LDLE_PLR4P_0001-Life expectancy diagram



LDLE_PLR4P_0002-Life expectancy diagram



LDLM_PLR4P_0001-Lumen maintenance diagram

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