

Compact fluorescent lamps non-integrated

Master PL-C 2-pin



The Master PL-C 2-pin range of lamps forms part of the compact fluorescent non-integrated family of lamps.

Compact long-arc low-pressure mercury discharge lamp with a clear glass envelope consisting of four parallel narrow fluorescent tubes welded together at the bottom and near the ends. It has a two-pin base with a housing incorporating the special instant starter and capacitor.

It is equipped with two pre-heated tungsten electrodes and filled with a mixture of saturated mercury vapour and an inert buffer gas.

Master PL-C is a breakthrough in compact fluorescent lighting. By making use of the unique Philips-invented bridge technology, light output has been optimised for the relatively high temperatures inside the luminaire, providing up to 6% higher system light output. Furthermore the advanced coating technologies result in 12% lumen maintenance improvement at average rated life.

Master PL-C lamps contain only 3 mg of mercury.

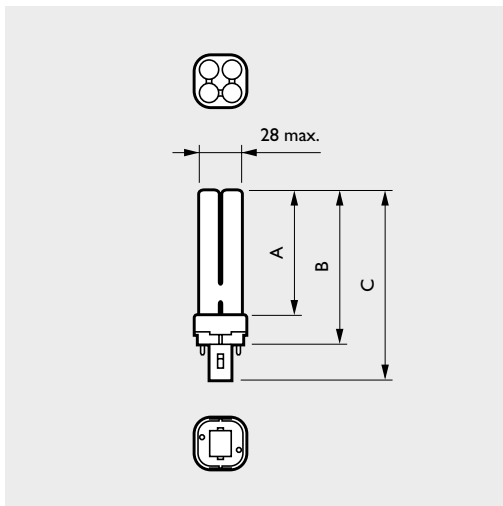
Applications

- General or supplementary lighting in professional environments or the home.
- Residential and public outdoor lighting, recessed or surface-mounted downlighters, wall units, pendant lamps and table lamps.

For operation on AC mains supply via a conventional ballast. Dimming is not possible.

The lamp characteristics are influenced by operating conditions and control gear used. A radio-interference suppression capacitor is installed.

The lamp performance is strongly governed by the temperature of the coolest spot, which is influenced by the lamp position.



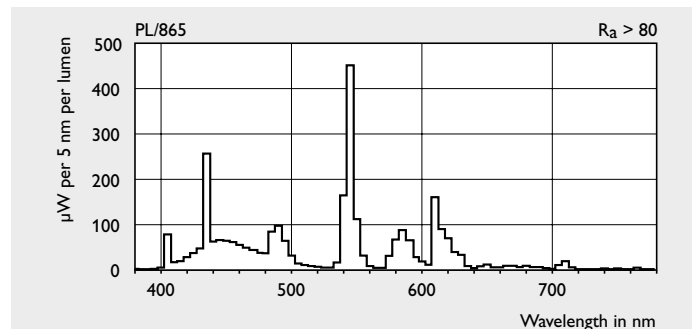
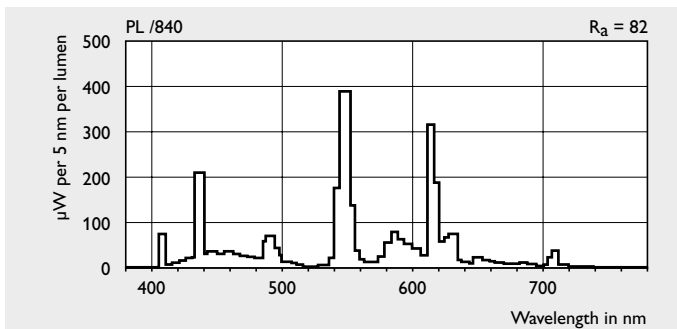
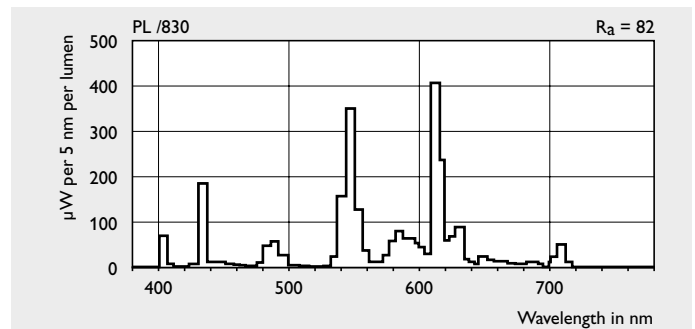
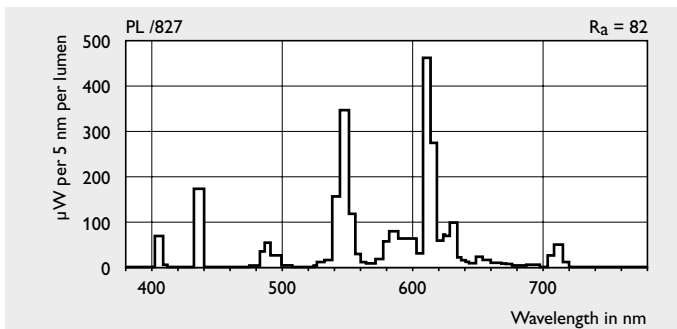
Dimensions in mm

| Type | A max. | B max. | C max. |
|-------------|-----------|-----------|-----------|
| PL-C 10W/2P | 77 | 95 | 118 |
| PL-C 13W/2P | 99 | 117 | 140 |
| PL-C 18W/2P | 111 | 129 | 152 |
| PL-C 26W/2P | 132 | 150 | 173 |

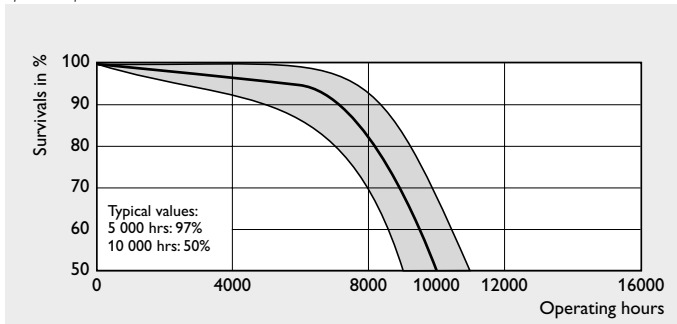
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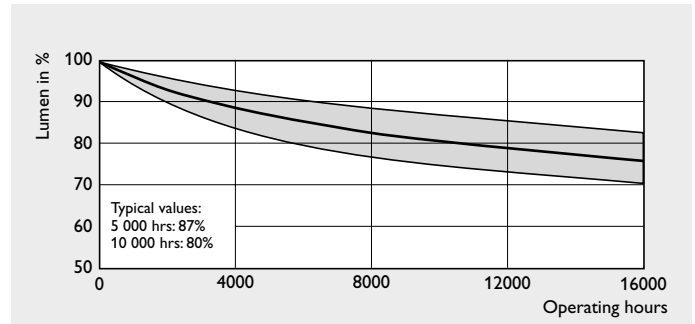
| Type | Cap/base | Lamp | Lamp | Lumen | Efficacy | Corr. | Chromaticity | | Colour | Lumen | Lumen | Nett | Ordering | EOC |
|------------------------|----------|---------|---------|-------|----------|-------|--------------|--------|---------------|---------|---------|------|----------------|--------|
| | | voltage | current | | | | output | colour | | | | | | |
| | | V | mA | lm | lm/W | temp. | x | y | designation | 2000hrs | 5000hrs | g | | |
| /827 | | | | | | | | | | | | | | |
| Master PL-C 10W/827/2P | G24d-1 | 64 | 190 | 600 | 60 | 2700 | 455 | 415 | INCAND.LIGHT | 92 | 87 | 54 | 9279 036 08200 | 706812 |
| Master PL-C 13W/827/2P | G24d-1 | 91 | 175 | 900 | 69 | 2700 | 455 | 415 | INCAND.LIGHT | 92 | 87 | 65 | 9279 050 08200 | 620811 |
| Master PL-C 18W/827/2P | G24d-2 | 100 | 220 | 1200 | 67 | 2700 | 455 | 415 | INCAND.LIGHT | 92 | 87 | 70 | 9279 054 08200 | 620880 |
| Master PL-C 26W/827/2P | G24d-3 | 105 | 325 | 1800 | 69 | 2700 | 455 | 415 | INCAND.LIGHT | 92 | 87 | 81 | 9279 058 08200 | 620958 |
| /830 | | | | | | | | | | | | | | |
| Master PL-C 10W/830/2P | G24d-1 | 64 | 190 | 600 | 60 | 3000 | 435 | 400 | WARM WHITE | 92 | 87 | 54 | 9279 036 08300 | 707246 |
| Master PL-C 13W/830/2P | G24d-1 | 91 | 175 | 900 | 69 | 3000 | 435 | 400 | WARM WHITE | 92 | 87 | 65 | 9279 050 08300 | 620842 |
| Master PL-C 18W/830/2P | G24d-2 | 100 | 220 | 1200 | 67 | 3000 | 435 | 400 | WARM WHITE | 92 | 87 | 70 | 9279 054 08300 | 620910 |
| Master PL-C 26W/830/2P | G24d-3 | 105 | 325 | 1800 | 69 | 3000 | 435 | 400 | WARM WHITE | 92 | 87 | 81 | 9279 058 08300 | 620989 |
| /840 | | | | | | | | | | | | | | |
| Master PL-C 10W/840/2P | G24d-1 | 64 | 190 | 600 | 60 | 4000 | 380 | 380 | COOL WHITE | 92 | 87 | 54 | 9279 036 08400 | 704986 |
| Master PL-C 13W/840/2P | G24d-1 | 91 | 175 | 900 | 69 | 4000 | 380 | 380 | COOL WHITE | 92 | 87 | 65 | 9279 050 08400 | 620866 |
| Master PL-C 18W/840/2P | G24d-2 | 100 | 220 | 1200 | 67 | 4000 | 380 | 380 | COOL WHITE | 92 | 87 | 70 | 9279 054 08400 | 620934 |
| Master PL-C 26W/840/2P | G24d-3 | 105 | 325 | 1800 | 69 | 4000 | 380 | 380 | COOL WHITE | 92 | 87 | 81 | 9279 058 08400 | 621009 |
| /865 | | | | | | | | | | | | | | |
| Master PL-C 13W/865/2P | G24d-1 | 91 | 175 | 900 | 69 | 6500 | 305 | 325 | COOL DAYLIGHT | 92 | 87 | 65 | 9279 050 86500 | 635235 |
| Master PL-C 18W/865/2P | G24d-2 | 100 | 220 | 1200 | 67 | 6500 | 305 | 325 | COOL DAYLIGHT | 92 | 87 | 70 | 9279 054 86500 | 635273 |
| Master PL-C 26W/865/2P | G24d-3 | 105 | 325 | 1800 | 69 | 6500 | 305 | 325 | COOL DAYLIGHT | 92 | 87 | 81 | 9279 058 86500 | 635310 |



Spectral power distributions



Life expectancy



Lumen maintenance