



# PL-Q 4 Pin

PL-Q 28W/827/4P 1CT

Compact fluorescent lamps with a quadrant-like shape

## Product data

### • General Characteristics

Cap-Base	GR10q
Cap-Base Information	4P
Life to 50% failures EM	10000 hr
Life to 50% fail Preheat EL,3h	12000 hr
Life to 50% fail Nonpreh EL,3h	6000 hr
Life to 10% fail Nonpreh EL,3h	4000 hr
Life to 10% fail Preheat EL,3h	7000 hr
Life to 10% failures EM	6000 hr
LSF HF Preheat 12000h Rated,3h	50 %
LSF HF Preheat 8000h Rated,3h	87 %
LSF HF Preheat 6000h Rated,3h	93 %
LSF HF Preheat 4000h Rated,3h	97 %
LSF HF Preheat 2000h Rated,3h	99 %

### • Electrical Characteristics

Lamp Wattage	28 W
Lamp Voltage EL 25°C	98 V
Lamp Current EL 25°C	0.255 A
Dimmable	yes
Lamp Current EM 25°C	0.320 A

Lamp Wattage EM 25°C, Rated	24.8 W
Lamp Wattage EL 25°C, Rated	24.8 W
Lamp Wattage EL 25°C, Nominal	28 W
Lamp Wattage EM 25°C, Nominal	28 W
Lamp Voltage EM 25°C	108 V

### • Environmental Characteristics

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content	4 mg

### • Light Technical Characteristics

Colour Code	827 [CCT of 2700K]
Colour Rendering Index	82 Ra8
Colour Designation	Incandescent White
Colour Temperature	2700 K
Chromaticity Coordinate X	463 -
Chromaticity Coordinate Y	420 -
LLMF HF 12000h Rated	69 %
LLMF HF 8000h Rated	74 %
LLMF HF 6000h Rated	78 %
LLMF HF 4000h Rated	83 %

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LLMF HF 2000h Rated	90 %
Lum Flux Rated HF 25°C,horiz	2050 Lm
Lum Flux Nominal HF 25°C,horiz	2050 Lm
Lum Efficacy Rated HF 25°C,hor	83 Lm/W
Design Temperature	25 C

• Product Dimensions

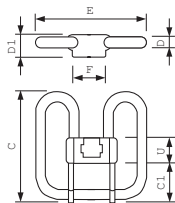
Overall Length C	207 (max) mm
Overall Length Rim C1	77 (max) mm
Diameter D	24 (max) mm
Diameter D1	33 (max) mm
Overall Width E	205 (max) mm
Width F	41 (max) mm

Cap Length U	49 (max) mm
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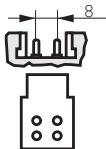
• Product Data

Order code	269911 25
Full product code	871150026991125
Full product name	PL-Q 28W/827/4P 1CT
Order product name	PL-Q 28W/827/4P 1CT/10BOX
Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500269911
Bar code on outerbox - EAN3	8711500270054
Logistic code(s) - 12NC	927939382740
ILCOS code	FSS-28/27/1B-E-GR10q
Net weight per piece	127.000 gr

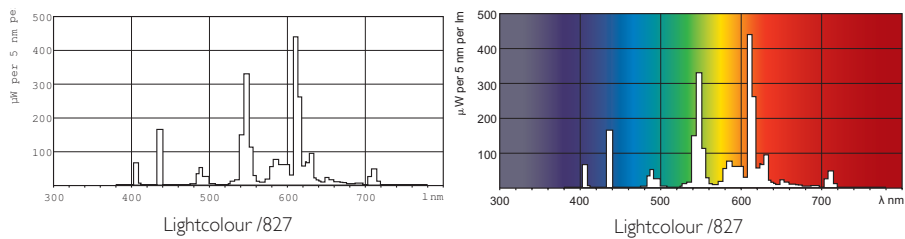
## Dimensional drawing



Product	C (Max)	C1 (Max)	D (Max)	D1 (Max)	E (Max)	F (Max)	U (Max)
PL-Q 28W/827/4P	207	77	24	33	205	41	49



## 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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data subject to change