



# PL-Q 2 Pin

PL-Q 16W/830/2P 1CT

Compact fluorescent lamps with a quadrant-like shape

## Product data

### • General Characteristics

Cap-Base	GR8
Cap-Base Information	2P
Life to 50% failures EM	10000 hr
Life to 10% failures EM	6000 hr
LSF EM 8000h Rated, 3h cycle	78 %
LSF EM 6000h Rated, 3h cycle	90 %
LSF EM 4000h Rated, 3h cycle	96 %
LSF EM 2000h Rated, 3h cycle	98 %

### • Electrical Characteristics

Lamp Wattage	16 W
Dimmable	no
Lamp Current EM 25°C	0.195 A
Lamp Wattage EM 25°C, Rated	16.0 W
Lamp Wattage EM 25°C, Nominal	16 W
Lamp Voltage EM 25°C	103 V

### • Environmental Characteristics

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

### • Light Technical Characteristics

Colour Code	830 [CCT of 3000K]
Colour Rendering Index	82 Ra8
Colour Designation	Warm white
Colour Temperature	3000 K
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -
Lum Efficacy Rated EM 25°C	66 Lm/W
LLMF EM 8000h Rated	74 %
LLMF EM 6000h Rated	78 %
LLMF EM 4000h Rated	83 %
LLMF EM 2000h Rated	90 %
Luminous Flux EM 25°C, Rated	1050 Lm
Luminous Flux EM 25°C, Nominal	1050 Lm
Design Temperature	25 C
Lum Efficacy Rated EM 25°C,hor	66 Lm/W
Lum Flux Nominal EM 25°C,horiz	1050 Lm
Lum Flux Rated EM 25°C,horiz	1050 Lm

### • Product Dimensions

Overall Length C	141 (max) mm
Overall Length Rim C1	51 (max) mm

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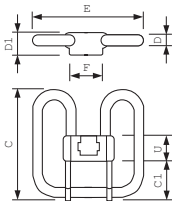
Diameter D	15 (max) mm
Diameter D1	27.5 (max) mm
Overall Width E	138 (max) mm
Width F	41 (max) mm
Cap Length U	40 (max) mm

Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500269874
Bar code on outerbox - EAN3	8711500270016
Logistic code(s) - 12NC	927939083040
ILCOS code	FSS-16/30/1B-I-GR8
Net weight per piece	68.000 gr

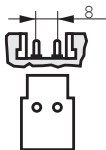
• Product Data

Order code	269874 25
Full product code	871150026987425
Full product name	PL-Q 16W/830/2P 1CT
Order product name	PL-Q 16W/830/2P 1CT/10BOX

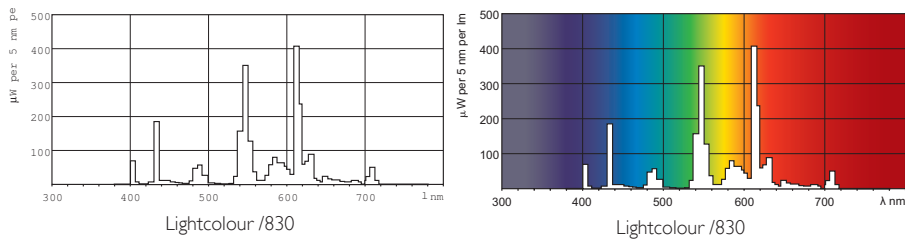
## Dimensional drawing



Product	C (Max)	C1 (Max)	D (Max)	D1 (Max)	E (Max)	F (Max)	U (Max)
PL-Q 16W/830/2P	141	51	15	27.5	138	41	40



## 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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2011, May 14  
data subject to change