



PL-Q 2 Pin

PL-Q 16W/827/2P 1CT

PL-Q is an efficient, square-shaped compact fluorescent lamp, typically used in decorative-lighting luminaires. While offering the advantage of energy-efficient operation, it also provides design freedom for flat ceiling or wall fixtures in particular, due to its low built-in height and uniform spread of light. The 2-pin version is designed for operation on electromagnetic gear.

Product data

• General Characteristics

| | |
|-------------------------------|----------|
| Cap-Base | GR8 |
| Cap-Base Information | 2P |
| Life to 10% failures EM | 6000 hr |
| Life to 50% failures EM | 10000 hr |
| LSF EM 2000h Rated, 3h cycle | 99 % |
| LSF EM 4000h Rated, 3h cycle | 96 % |
| LSF EM 6000h Rated, 3h cycle | 89 % |
| LSF EM 8000h Rated, 3h cycle | 73 % |
| LSF EM 12000h Rated, 3h cycle | 26 % |
| LSF EM 16000h Rated, 3h cycle | 3 % |
| LSF EM 20000h Rated, 3h cycle | 0 % |

• Light Technical Characteristics

| | |
|--------------------------------|--------------------|
| Color Code | 827 [CCT of 2700K] |
| Color Rendering Index | 82 Ra8 |
| Color Designation (text) | Incandescent White |
| Color Temperature | 2700 K |
| Luminous Flux EM 25°C, Rated | 1050 Lm |
| Luminous Flux EM 25°C, Nominal | 1050 Lm |
| Lum Flux Rated EM 25°C, horiz | 1050 Lm |

| | |
|---------------------------------|---------|
| Lum Flux Nominal EM 25°C, horiz | 1050 Lm |
| Lum Efficacy Rated EM 25°C | 66 Lm/W |
| Lum Efficacy Rated EM 25°C, hor | 66 Lm/W |
| LLMF EM 2000h Rated | 91 % |
| LLMF EM 4000h Rated | 85 % |
| LLMF EM 6000h Rated | 82 % |
| LLMF EM 8000h Rated | 80 % |
| LLMF EM 12000h Rated | 79 % |
| LLMF EM 16000h Rated | 78 % |
| LLMF EM 20000h Rated | 77 % |
| Design Temperature | 25 C |
| Chromaticity Coordinate X | 463 - |
| Chromaticity Coordinate Y | 420 - |

• Electrical Characteristics

| | |
|-------------------------------|---------|
| Lamp Wattage | 16 W |
| Lamp Wattage EM 25°C, Nominal | 16 W |
| Lamp Wattage EM 25°C, Rated | 16.0 W |
| Lamp Voltage EM 25°C | 103 V |
| Lamp Current EM 25°C | 0.196 A |

PHILIPS

PL-Q 2 Pin

Dimmable No

Cap Length U 40 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL) B
 Mercury (Hg) Content 4.0 mg
 Energy consumption kWh/1000h 20 kWh

• Product Dimensions

Overall Length C 141 (max) mm
 Overall Length Rim C1 51 (max) mm
 Diameter D 15 (max) mm
 Diameter D1 27.5 (max) mm
 Overall Width E 138 (max) mm
 Width F 41 (max) mm

• Product Data

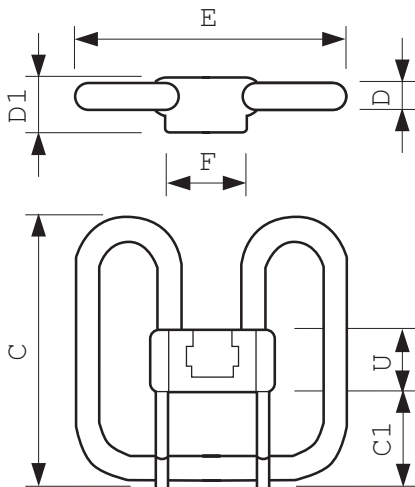
Order code 927939082740
 Full product code 927939082740
 Full product name PL-Q 16W/827/2P 1CT
 Order product name PL-Q 16W/827/2P 1CT/10BOX
 Pieces per pack 1
 Packing configuration 10
 Packs per outerbox 10
 Bar code on pack - EAN1 8711500269652
 Bar code on outerbox - EAN3 8711500269003
 Logistic code(s) - 12NC 927939082740
 ILCOS code FSS-16/27/1B-I-GR8
 Net weight per piece 68.000 gr

Warnings and Safety

- Use only with electromagnetic control gear
- Lamp light technical and electrical characteristics are influenced by operating conditions, i.e. lamp ambient temperature and operating position

- Dimming is not possible

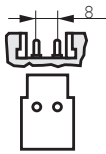
Dimensional drawing



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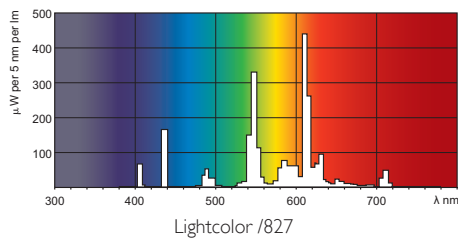
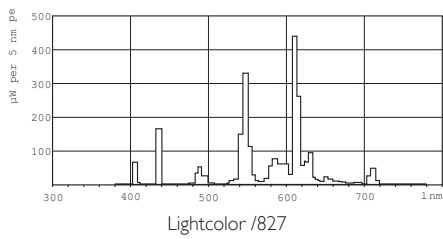
| Product | C (Max) | C1 (Max) | D (Max) | D1 (Max) | E (Max) | F (Max) | U (Max) |
|-----------------|---------|----------|---------|----------|---------|---------|---------|
| PL-Q 16W/827/2P | 141 | 51 | 15 | 27.5 | 138 | 41 | 40 |

Dimensional drawing



GR8

Photometric data



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www.philips.com/lighting

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data subject to change