

Philips PL-C 2-Pin
Compact Fluorescent
Lamps featuring ALTO
Lamp Technology

*Ideal for downlights and
wall washers in general
lighting and wall sconces
in decorative lighting*

PL Lamps



† This lamp is better for the environment because of its reduced mercury content. All Philips ALTO® lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations.

* Fluorescent lamps that are TCLP compliant reduce the amount of pollutants released into the environment.

High color rendering, high efficacy, long life lamps

Philips PL-C 2-Pin Compact Fluorescent Lamps featuring ALTO Lamp Technology are a sustainable lighting solution for general lighting.

Quad tube design

- Compact design: available in 13W, 18W, and 26W

10,000 hours rated average life¹

PL-C 15mm 2-pin lamps also available (not TCLP compliant)

- Available in 22W and 28W (2700K only) with low starting temperature (-20°F) ideal for outdoor applications

Excellent color rendering and broad range of color temperature

- 82 color rendering index (CRI) available in 2700, 3000, 3500 and 4100K

Sustainable solution

- 1.4mg of mercury^{**}

¹) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.

^{**}) Does not include PL-C 15mm 2-pin lamps

PHILIPS

sense and simplicity

Philips PL-C 2-Pin Compact Fluorescent Lamps featuring ALTO Lamp Technology

Ordering, Electrical and Technical Data (Subject to change without notice)

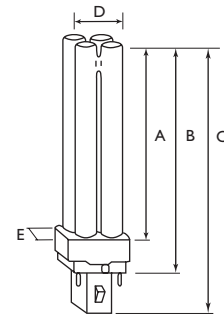
| Product Number | Ordering Code | Watts | Base | Description | Std. Pack. Qty. | Color Temp. (K) | MOL (In.) | Rated Avg. Life (3-Hr. Start) ¹ | Approx. Initial Lumens ² | Design Lumens ³ | CRI |
|--|-----------------------|-------|---------|------------------|-----------------|-----------------|-----------|--|-------------------------------------|----------------------------|-----|
| ● 38310-9 | PL-C 13W/827/USA/ALTO | 13 | GX23-2 | CFQ13W/GX23/827 | 10 | 2700 | 4% | 10,000 | 860 | 735 | 82 |
| ● 38311-7 | PL-C 13W/830/USA/ALTO | 13 | GX23-2 | CFQ13W/GX23/830 | 10 | 3000 | 4% | 10,000 | 860 | 735 | 82 |
| ● 38312-5 | PL-C 13W/835/USA/ALTO | 13 | GX23-2 | CFQ13W/GX23/835 | 10 | 3500 | 4% | 10,000 | 860 | 735 | 82 |
| ● 38313-3 | PL-C 13W/841/USA/ALTO | 13 | GX23-2 | CFQ13W/GX23/841 | 10 | 4100 | 4% | 10,000 | 860 | 835 | 82 |
| ● 38314-1 | PL-C 13W/827/ALTO* | 13 | G24d-1 | CFQ13W/G24d/827 | 10 | 2700 | 5½ | 10,000 | 900 | 770 | 82 |
| ● 38316-6 | PL-C 18W/827/ALTO | 18 | G24d-2 | CFQ18W/G24d/827 | 10 | 2700 | 6 | 10,000 | 1250 | 1070 | 82 |
| ● 38317-4 | PL-C 18W/830/ALTO | 18 | G24d-2 | CFQ18W/G24d/830 | 10 | 3000 | 6 | 10,000 | 1250 | 1070 | 82 |
| ● 38318-2 | PL-C 18W/835/ALTO | 18 | G24d-2 | CFQ18W/G24d/835 | 10 | 3500 | 6 | 10,000 | 1250 | 1070 | 82 |
| ● 38319-0 | PL-C 18W/841/ALTO | 18 | G24d-2 | CFQ18W/G24d/841 | 10 | 4100 | 6 | 10,000 | 1250 | 1070 | 82 |
| ● 38321-6 | PL-C 26W/827/ALTO | 26 | G24d-3 | CFQ26W/G24d/827 | 10 | 2700 | 6⅓ | 10,000 | 1800 | 1545 | 82 |
| ● 38322-4 | PL-C 26W/830/ALTO | 26 | G24d-3 | CFQ26W/G24d/830 | 10 | 3000 | 6⅓ | 10,000 | 1800 | 1545 | 82 |
| ● 38323-2 | PL-C 26W/835/ALTO | 26 | G24d-3 | CFQ26W/G24d/841 | 10 | 3500 | 6⅓ | 10,000 | 1800 | 1545 | 82 |
| ● 38324-0 | PL-C 26W/841/ALTO | 26 | G24d-3 | CFQ26W/G24d/841 | 10 | 4100 | 6⅓ | 10,000 | 1800 | 1545 | 82 |
| Philips PL-C 15mm 2-Pin Compact Fluorescent Lamps (not available with ALTO Lamp Technology) | | | | | | | | | | | |
| 24168-7 | PL-C 15mm/22W/827 | 22 | GX32d-2 | CFQ20W/GX32d/827 | 40 | 2700 | 6 | 10,000 | 1200 | 995 | 82 |
| 24169-5 | PL-C 15mm/28W/827 | 28 | GX32d-3 | CFQ27W/GX32d/827 | 40 | 2700 | 6⅓ | 10,000 | 1600 | 1325 | 82 |

- 1) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.
- 2) Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life, when the output is measured during operation on a reference ballast under standard laboratory conditions.
- 3) Design lumens are the approximate lamp lumen output at 40% of the lamp's rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.
- * PL-C 13W/827 is physically and electrically incompatible with more popular PL-C 13W/827/USA types.
- This lamp is better for the environment because of its reduced mercury content. All Philips ALTO lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations.

Lamp Dimensions

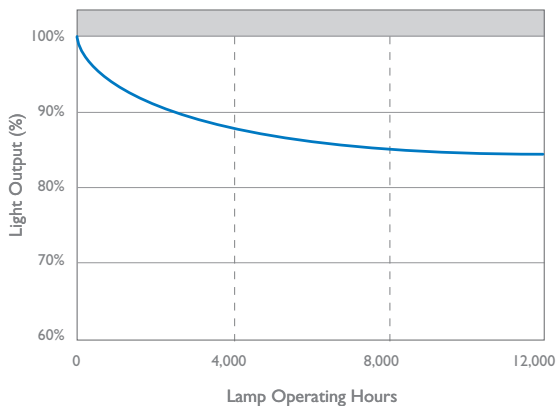
Philips PL-C 2-Pin Compact Fluorescent Lamps

| | PL-C 13W/USA | | PL-C 13W | | PL-C 18W | | PL-C 26W | | PL-C 15mm/22W | | PL-C 15mm/28W | |
|---|--------------|------|----------|------|----------|------|----------|------|---------------|------|---------------|------|
| | Inches | (mm) | Inches | (mm) | Inches | (mm) | Inches | (mm) | Inches | (mm) | Inches | (mm) |
| A | 3.2 | 82 | 3.9 | 99 | 4.4 | 111 | 5.2 | 132 | 4.1 | 105 | 4.7 | 121 |
| B | 3.8 | 98 | 4.6 | 117 | 5.1 | 129 | 5.9 | 150 | 5.1 | 130 | 5.7 | 146 |
| C | 4.7 | 120 | 5.5 | 140 | 6.0 | 152 | 6.8 | 173 | 6.0 | 154 | 6.8 | 172 |
| D | 1.1 | 28 | 1.1 | 28 | 1.1 | 28 | 1.1 | 28 | 1.5 | 37 | 1.5 | 37 |
| E | 1.4 | 35 | 1.4 | 35 | 1.4 | 35 | 1.4 | 35 | 1.8 | 45 | 1.8 | 45 |



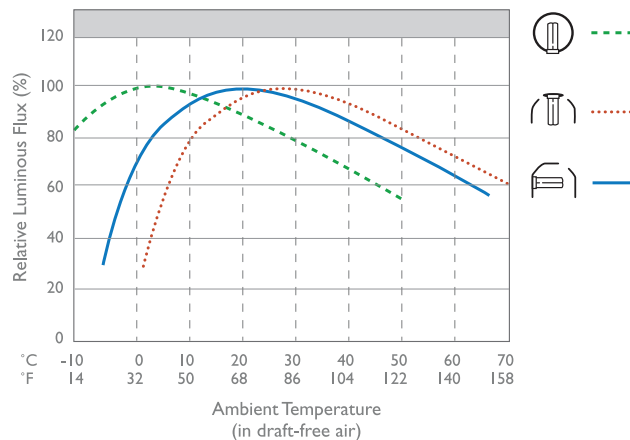
85% Lumen Maintenance

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Luminous Flux vs. Burning Positions

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