

Philips PL-L 80W  
Compact Fluorescent  
Lamps

*Ideal for commercial  
interior uplighting, wall  
washing, downlighting from  
higher ceilings and pendant  
indirect luminaires.*

PL-L



## High light output in a compact size

Philips PL-L 80W Compact Fluorescent Lamps offer exceptional light output while minimizing energy and maintenance costs.

### **Outstanding lumen performance**

- 6000 lumens per watt
- 82% more lumens than PL-L 40 watt compact fluorescent lamps\*
- 93% lumen maintenance

### **Long life**

- 20,000-hour rated average life\*\*
- Extended relamping cycles provide reduced maintenance costs

### **Easy to experience**

- For use with electronic and dimming circuits
- Fits in smaller luminaries
- Same size as PL-L 40 watt compact fluorescent lamps

**PHILIPS**

\*, \*\* See footnotes on reverse side.

# Philips PL-L 80W Compact Fluorescent Lamp

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

Product Number	Base	Ordering Code Code	Nom. Watts	LCL (In.)	Rated Avg. Life <sup>1</sup>	Approx. Initial Lumens <sup>2</sup>	Approx. Mean CRI	Color Temp (K)	Design Lumens <sup>3</sup>
38698-7	2G11	PL-L 80W/835	80	22.5	20,000	6000	82	3500	5400

- 1) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours.
- 2) Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life 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.

Footnotes from front:

\* When comparing a PL-L 40W with 3300 design lumens and 2970 initial lumens to a PL-L 80W with 6000 design lumens and 5400 initial lumens.

\*\* Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours.

### WARNINGS, CAUTIONS, AND OPERATING INSTRUCTIONS

**R**<sup>WARNING:</sup> These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada:SOR/DORS/80-381)

**If the outer bulb is broken or punctured, turn off at once and replace the lamp to avoid possible injury from hazardous short wave ultraviolet radiation. Do not scratch the outer bulb or subject it to pressure as this could cause the outer bulb to crack or shatter. A partial vacuum in the outer bulb may cause glass to fly if the envelope is struck.**

**WARNING:** The arc-tube of metal halide lamps are designed to operate under high pressure and at temperatures up to 1000°C and can unexpectedly rupture due to internal or external factors such as a ballast failure or misapplication. If the arc-tube ruptures for any reason, the outer bulb may break and pieces of extremely hot glass might be discharged into the surrounding environment. If such a rupture were to happen, **THERE IS A RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE.**

**This lamp contains an arc tube with a filling gas containing less than 65 nCi Kr-85 and is distributed by Philips Lighting Company, a division of Philips Electronics North America Corporation, Somerset, New Jersey, 08873.**

**CAUTION:** TO REDUCE THE RISK OF PERSONAL INJURY, PROPERTY DAMAGE, BURNS AND FIRE RESULTING FROM AN ARC-TUBE RUPTURE THE FOLLOWING LAMP OPERATING INSTRUCTIONS MUST BE FOLLOWED:

#### LAMP OPERATING INSTRUCTIONS:

##### 1. RELAMP FIXTURES AT OR BEFORE THE END OF RATED LIFE.

Allowing lamps to operate until they fail is not advised and may increase the possibility of inner arc tube rupture.

2. Before lamp installation/replacement, shut power off and allow lamp and fixture to cool to avoid electrical shock and potential burn hazards.

3. Use only auxiliary equipment meeting Philips and/or ANSI standards. Use within voltage limits recommended by ballast manufacturer.

A. Operate lamp only within specified limits of operation.

B. For total supply load refer to ballast manufacturers electrical data.

C. These lamps can be used in both probe start and pulse start magnetic ballast. Reference the technical data sheet for proper ANSI ballast code compatibility. Do not operate lamps on electronic ballasts.

D. All pulse start mogul based lamps require a socket rated to withstand a 4000 volt pulse.

4. Periodically inspect the outer envelope. Replace any lamps that show scratches, cracks or damage

5. If a lamp bulb support is used, be sure to insulate the support electrically to avoid possible decomposition of the bulb glass.

6. Protect lamp base, socket and wiring against moisture, corrosive atmospheres and excessive heat.

7. Time should be allowed for lamps to stabilize in color when turned on for the first time. This may require several hours of operation, with more than one start. Lamp color is also subject to change under conditions of excess vibration or shock, and color appearance may vary between individual lamps.

8. Lamps may require 10 to 15 minutes to re-light if there is a power interruption. Less than 10 minutes on pulse start ballasts.

9. Take care in handling and disposing of lamps. If an arc tube is broken, avoid skin contact with any of the contents or fragments.

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