



# Easily upgrade to LED from fluorescent.

TOPSTAR PLL lamp has been designed and engineered for demanding commercial applications. This plug and play direct replacement lamp is compatible with electronic Ballasts and requires no rewiring during installation. This lamp's innovative wide beam design and compact light engine produce 280° light emitting area. This lamp is also suitable for use in totally enclosed fixtures. Simply install in your existing fixture and turn on the savings.

- 40W CFL replacement
- Exceptional efficacy 124 LPW
- 0-10V dimming
- Shatter-Proof design
- Plug & Play Direct installation
- 3000K / 3500K & 4000K CCT
- Suitable for use in totally enclosed fixtures
- Extra-long 50 000 hr lifetime
- 5 years warranty

**Electrical and Technical Data (subject to change without notice)**

Ordering Code	Bare Lamp Watt (W)	Initial Lumen *	Base	CRI	Color Temp.	Rated Average life	MOL (in.)	Beam Angle
PLL402G11-8YY-13P-G1-EB	13	2100	2G11	82	3000K/3500K/4000K	50,000	22	120

\* Lumen was tested with typical ballast @4000K CCT

**Installation Guide**

1. Switch-off power to luminaire.
2. Remove the cover lens (if provided).
3. Carefully remove all existing CFL lamps from luminaire. Note: Verify that the ballast is compatible with LED PLL lamps, see the ballast compatibility list.
4. Confirm the lampholder has a 2G11 socket.
5. Insert the LED PLL lamp into the open socket within the fixture. Ensure pins are firmly seated in the lampholder.
6. Switch on power to luminaire and installation is now complete.

**NOTE:** This retrofit kit can replace 40W CFL lamps with 2G11 bases.

**CAUTION – RISK OF FIRE.** IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT THE MANUFACTURER.

**WARNING – Risk of fire or electric shock.** LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.

**WARNING – Risk of fire or electric shock.** Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

**WARNING – To prevent wiring damage or abrasion,** do not expose wiring to edges of sheet metal or other sharp objects.

- Disconnect power at the source before installation, inspection or removal. Do not simply switch off fixture.
- Not intended for use with emergency exit fixtures or emergency exit lights.
- THIS LAMP ONLY OPERATES ON ELECTRONIC BALLASTS. IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT LAMP MANUFACTURER OR QUALIFIED ELECTRICIAN.
- This lamp is not compatible with all ballasts. Before replacing existing fluorescent lamps, check compatibility of LED lamps and luminaire ballast.
- Do not use if product is damaged.
- This lamp might not be compatible with all dimmers. Please contact manufacturer for compatability information.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- Risk of fire or electric shock. Do not open or modify. No user serviceable parts inside.
- SUITABLE FOR DAMP LOCATIONS. Suitable for use in wet locations when used in an outdoor-rated fixture. Not for use where directly exposed to the weather or water.
- Complies with Part 15 of FCC. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation.
- No external weight or mechanical force should be applied to lamp or components.
- MIN. LAMP COMPARTMENT DIMENSIONS 23.82"(L) x 23.82"(W) x 4.13"(H).