

**HYBRID
LED PLC Lamps**



Easily upgrade to LED from fluorescent.

ECADS NA lamp has been designed and engineered for demanding commercial applications. This UL classified lamp requires magnetic ballast runs directly or bypassing the ballast during installation and runs directly off line voltage to eliminate compatibility problems, incidental power loss, lifetime issues, and maintenance costs associated with ballasts. The base of the lamp can be rotated 300° to fit any socket configuration. Simply install in your existing fixture and turn ON the savings.

- 13W/18W/26W/32W CFL replacement
- Exceptional efficacy 90-100 LPW
- Compatible with Magnetic Ballasts & Bypass
- 2700K / 3000K / 3500K & 4000K CCT
- Extra-long 50 000 hr lifetime
- Rotatable Base, max 300°
- Power Factor: ≥ 0.9
- THD $\leq 20\%$
- CRI Ra 80
- 5 Years' Warranty

Electrical and Technical Data (subject to change without notice)

Ordering Code	Bare Lamp Watt (W)	Initial Lumen *	Base	CRI Ra	Color Temp.	Rated Average life	MOL (in.)	Beam Angle
PLC18HG24D-XY-06P-P2-HB	6	620	G24d	82	2700K/3000K/3500K/4000K	50,000	5.35	160
PLC26HG24D-XY-11P-P2-HB	10	1020	G24d	82	2700K/3000K/3500K/4000K	50,000	6.38	160
*** PLC18HG23-XY-06P-P2-HB	6	620	GX23	82	2700K/3000K/3500K/4000K	50,000	5.35	160
**** PLC18VSG24D-XY-06P-P2-HB	6	620	G24d	82	2700K/3000K/3500K/4000K	50,000	5.21	160
PLC26VSG24D-XY-10P-P2-HB	10	1020	G24d	82	3000K/3500K/4000K	50,000	5.21	160

* Initial lumen above is @ 4000K
 ** E26 & GU24 Caps are also available for ordering
 *** 11W of GX23 cap is available for ordering
 **** No stock in US, special order is available

Bypass Installation Guide - 2 PIN LED LAMP

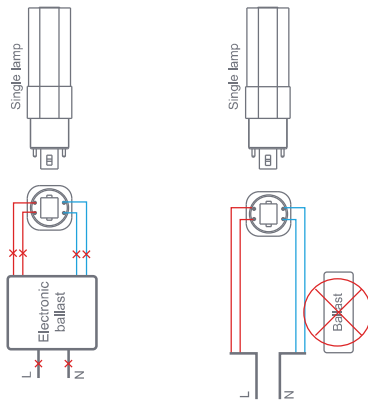
Bypass

- 1) Read all WARNINGS before continuing this section.
- 2) Ensure fixture is 120-277V.
- 3) Make sure POWER IS TURNED OFF AT THE SOURCE.
- 4) Remove lens if applicable, remove cover and fluorescent lamp.
- 5) Before rewiring, check the ballast type and refer to the relevant diagram.
- 6) Before rewiring, please check the number of lamps per fixture and refer to the relevant diagram.
- 7) If fixture is new without ballast, please refer to Cf. Diagram 1.
- 8) If fixture ballast type is electronic, please refer to Cf. Diagram 2.
- 9) If fixture ballast type is magnetic please refer to Cf. Diagram 3.
- 10) This device is powered by two pins; Install lamp into the wired lampholder end.
- 11) Visibly affix "Modification Sticker" and reinstall housing cover and lens if applicable.
- 12) Return power back to source and installation is now complete.

Diagram 1 – New fixture without ballast wiring



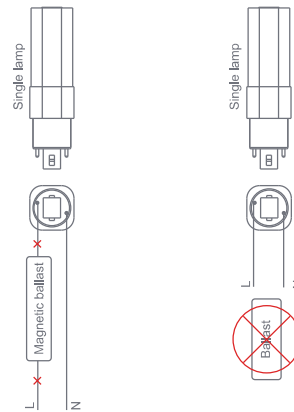
Diagram 2 – Electronic ballast fixture wiring modification



Cut all wires that connect ballast. Cut wire away from lampholder

Rewire power source directly to wires leading to lampholders

Diagram 3 – Magnetic ballast fixture wiring modification



Cut all wires that connect ballast. Cut wire away from lampholder

Rewire power source directly to wires leading to lampholders

CAUTION – 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.