

TYPE A+B LED PL RETROFIT LAMP

Safety Warnings

ELECTRICAL HAZARD - TURN OFF POWER AT MAIN CIRCUIT BREAKER BEFORE INSTALLATION

General Safety Requirements

- Commercial installations must be performed by a qualified, licensed electrician
- Confirm supply voltage matches luminaire specifications
- Use only UL-listed wire connectors and conductors rated for 90°C minimum
- Do not look directly at illuminated light source
- Allow fixture to cool completely before handling or bulb replacement
- Keep packaging materials away from children (choking hazard)

Important Reminder

- Please check that all accessories are included upon delivery. If anything is missing, contact customer service immediately for a replacement.

Installation Precautions

- Inspect fixture for damage before installation
- Do not expose wiring to sharp edges
- Secure all connections properly
- Suitable for dry or damp locations only

Description

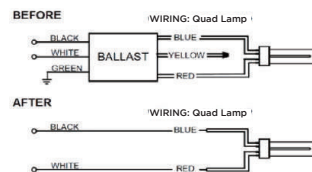
Type A+B LED PL retrofit lamps can be used as a replacement for 4-pin compact fluorescent bulbs (CFLs) and are compatible with both electrical ballasts and 120-277V line voltage. Installation can be direct plug-and-play with a working and compatible ballast (list below), or the ballast can be bypassed in the case of a failing or incompatible ballast.

INSTALLATION

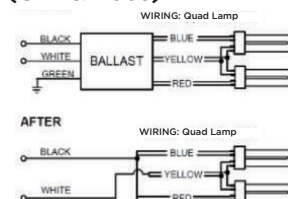
Installers should not disconnect existing wires from lampholder terminals to make new connections at lampholder terminals. Instead installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.

 Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

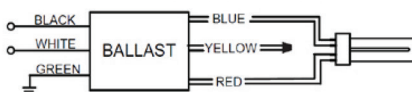
Retrofit with One Lamp (G24Q Base)



Retrofit with Two Lamps (G24Q Base)



Direct plug-and-play with ballast:



REMARK: IF CHOOSE PLUG-AND-PLAY INSTALLATION METHOD, PLEASE NOTE: 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.

Installation Steps:

1. Make sure the circuit breaker that supplies power to the fixture is turned off.
2. Remove trim and existing lamp(s) from recessed fixture. Drop housing from plaster frame.
3. Remove inner junction box cover and disconnect ballast from input wiring and lampholder leads. Dispose of removed ballast and lamps in accordance with government regulations in your area.
4. Connect input wiring to lampholder leads according to the appropriate diagram below. Place wires and connections back in wiring box and replace cover.
5. Reinstall housing and trim.
6. Install your new LED Hybrid PLC lamps. Rotate lamps to desire position.
7. Apply relamping Label on a visible location inside the fixture.

THIS LUMINAIRE HAS BEEN MODIFIED TO OPERATE LED LAMPS. DO NOT ATTEMPT TO INSTALL OR OPERATE FLUORESCENT LAMPS IN THIS LUMINAIRE.

8. Turn power on at the breaker box and turn on the lights.

Compatible Ballasts List

Ballast Description			Compatibility Test Result			
Electrical Characteristic			1-Lamp		2-Lamp	
Brand	Model	Volt	120 VAC	277 VAC	120 VAC	277 VAC
LUMA PRO	16X954	120-277V	✓	×	✓	✓
LUMA PRO	4KGJ7	120-277V	✓	✓	✓	✓
LUMA PRO	4KGJ8	120-277V	✓	✓	✓	✓
LUMA PRO	16X959	120-277V	×	×	✓	✓
Universal/Triad	C213UNVME	120-277V	✓	✓	✓	✓
Universal/Triad	C218UNVME	120-277V	✓	✓	✓	✓
Universal/Triad	C242UNVME	120-277V	✓	×	✓	✓
Universal/Triad	C2642UNVME	120-277V	✓	✓	✓	✓
HOWARD INDUSTRIES	EP2/13CF/MV	120-277V	✓	✓	✓	✓
HOWARD INDUSTRIES	EP2/18CF/MV	120-277V	✓	✓	✓	✓
HOWARD INDUSTRIES	EP2/26CF/MV/2	120-277V	✓	✓	✓	✓
GE	GEC218MVPSBES	120-277V	✓	✓	✓	✓
PHILIPS/ADVANCE	ICF-2S18-H1-LD	120-277V	✓	✓	✓	✓
PHILIPS/ADVANCE	ICF-2S26-H1-LD	120-277V	✓	✓	✓	✓
PHILIPS/ADVANCE	ICF-2S42-M2-LD	120-277V	✓	×	✓	✓
PHILIPS/ADVANCE	ICF-2S13-H1-LD	120-277V	✓	✓	✓	✓
ORSRAM/SYLVANIA	QTP1/2X18CF/UNVDM	120-277V	✓	✓	✓	✓
ORSRAM/SYLVANIA	QTP2X26CF/UNVDM	120-277V	✓	✓	✓	✓
ORSRAM/SYLVANIA	QTP1/2X13CF/UNVDM	120-277V	✓	✓	✓	✓
HATCH	HC226PS/UV/D	120-277V	✓	✓	✓	✓
CH	ACT2S26PSUNV	120-277V	✓	✓	✓	✓
STANDARD	31279STD	120-347V	✓	✓	✓	✓
STANDARD	31527STD	120-347V	×	✓	×	✓
KEYSTONE	KTEB-213-UV-PS-DW	120-277V	✓	✓	✓	✓
KEYSTONE	KTEB-218-UV-PS-DW	120-277V	✓	✓	✓	✓
KEYSTONE	KTEB-226-UV-PS-DW	120-277V	✓	✓	✓	✓
KEYSTONE	KTEB-218-UV-RS-DW	120-277V	✓	✓	✓	✓
FULHAM	RHAUNV226C	120-277V	×	×	✓	✓
FULHAM	WH2120L	120-277V	✓	×	✓	×
FULHAM	WH2120C	120-277V	✓	×	✓	×
FULHAM	RHAUNV213C	120-277V	×	×	✓	✓
FULHAM	RHA-UNV-218-C	120-277V	×	×	✓	✓
FULHAM	WH3-120-C	120-277V	✓	×	✓	×
FULHAM	WH3-277-L	120-277V	×	✓	×	✓
FULHAM	WH4-277-L	120-277V	×	✓	×	✓
FULHAM	RHA-UNV-242-C	120-277V	×	×	✓	✓

Remarks:

Manufacturer of LED Type A+B PL G24Q Lamps has a limitation of compatibility, not compatible with ALL ballasts, they were tested for compatibility with the above listed electronic ballasts. Ballasts that do not appear on the chart might still be compatible but have not been tested. It is a general recommendation to perform a test on-site before installing the LED lamps.

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