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PLT-20332 Color Selectable LED PL Lamp



WARNING

- Installation, service, and maintenance of luminaries should be performed by a qualified licensed electrician.

- Read instructions carefully before installation. Also keep these instructions for future reference.
- Do not use if product is damaged.

CAUTION

- USE ONLY IN PLACE OF FLUORESCENT LAMPS SPECIFIED ON (LAMP) LABEL. DIRECT REPLACEMENT FOR: 13W/6T4/Q/G24q-1, 18W/7T4/Q/G24q-2, 26W/8T4/Q/G24q-3 LAMPS ONLY.
- This retrofit kit is for a 4 PIN MOUNT and can replace 13W, 18W, 26W CFL Lamps with G24q and GX24q bases.
- 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 all relevant federal, state, and municipal codes.
- Install this kit only in 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.
- Not for use in emergency exit fixtures or emergency exit lights.
- SUITABLE FOR "TYPE NON-IC" RECESSED LUMINAIRES WITHOUT DIFFUSER.
- DO NOT INSTALL THIS LAMP IN A PRE-HEATED LUMINAIRE.
- Do not open or modify. No user serviceable parts inside.
- TYPE A LAMP – Intended for direct substitution of a fluorescent lamp and operating from the integral ballast without any modifications to the fluorescent luminaire.
- TYPE B LAMP – Intended for operation in luminaires with traditional fluorescent-type lamp holders wired directly to the branch circuit. This includes both factory-wired luminaires as well as those converted for this purpose under a retrofit program."
- This lamp is not compatible with all ballasts. Before replacing existing fluorescent lamps, check compatibility of LED lamps and luminaire ballast.
- This item is rated at 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.
- Dimmable only on 0-10V dimmers (when installed with a compatible 0-10v dimmable ballast). This lamp might not be compatible with all dimmers.
- Do not make or alter any open holes in the wiring enclosure or electrical components

during installation.

- Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead, installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors.
- Installers should examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit.
- MAXIMUM OF 12 AWG THROUGH BRANCH CIRCUIT CONDUCTOR SUITABLE FOR 60°C PERMITTED IN BOX.
- IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.
- “This luminaire has been modified to operate LED lamps” shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including re-lamping.
- THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

NOTICE

- Suitable for damp locations. Not for use where directly exposed to weather or water.
- Not for use in totally enclosed fixture. Maximum ambient temperature must not exceed 45°C (113°F).

Compartment Dimensions

The products are intended to retrofit surface mounted, Type non-IC recessed mount Listed luminaires without a diffuser, with instructions to remove the existing trim. The minimum lamp compartment dimensions are tabulated below:

Non-enclosed Fixture — Horizontal Installation	Fixture Dimension	Diameter	6.12 in.
		Height	4.75 in.
	Maximum Lamps in Fixture		2
	Lampholder-to-Lampholder Spacing		0.375 in.
Non-enclosed Fixture — Vertical Installation	Fixture Dimension	Diameter	6.31 in.
		Height	9.06 in.
	Maximum Lamps in Fixture		1
	Lampholder-to-Lampholder Spacing		N/A
Partially Enclosed Fixture Installation	Fixture Dimension	Length	11.81 in.
		Width	6.31 in.
		Height	2.75 in.
	Maximum Lamps in Fixture		2
	Lampholder-to-Lampholder Spacing		1.87 in.

Installation Instructions

Type A: Electronic or Magnetic Ballast

1. Read all WARNINGS before proceeding with installation.
2. Ensure fixture is powered by 120-277V.
3. Make sure the POWER IS OFF AT THE AC MAIN POWER SOURCE OR ELECTRIC PANEL.
4. Remove fixture cover or lens, if applicable. Remove fluorescent lamp.
5. Before rewiring, confirm ballast compatibility and refer to the relevant diagram below (Diagram 1 or 2).

6. Before rewiring, check the number of lamps per fixture and refer to the relevant section in the Compartment Dimensions chart above.
7. If the fixture ballast is electronic, use Diagram 1 for single or double lamp wiring instructions.
8. If the fixture ballast is magnetic, use Diagram 2 for single or double lamp wiring instructions.
9. Move the CCT switch to the desired setting before installing the lamp. See CCT Selection section.
10. Ensure the power input pins on the lamp align with the corresponding contacts in the wired lampholder and then insert the lamp into the holder.
11. Turn the power back on. Installation is complete.

Diagram 1 – Electronic Ballast Fixture Wiring

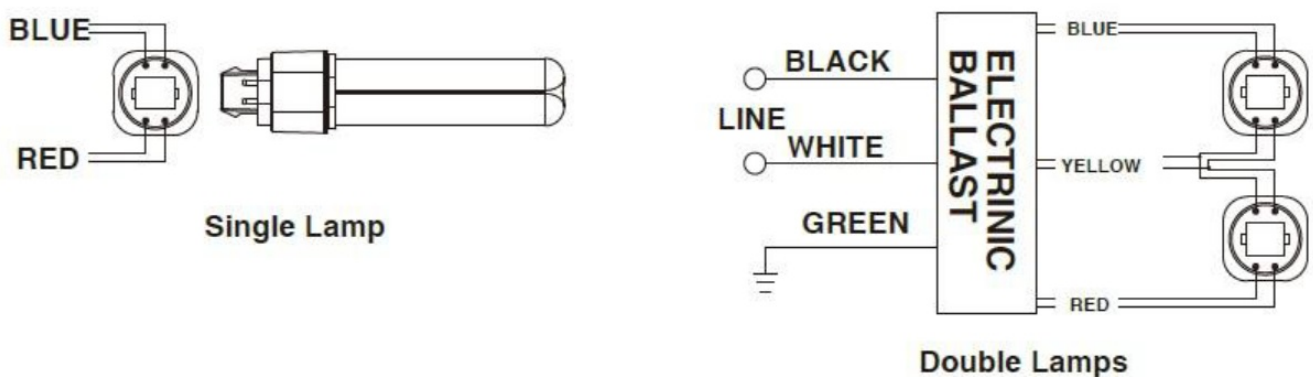
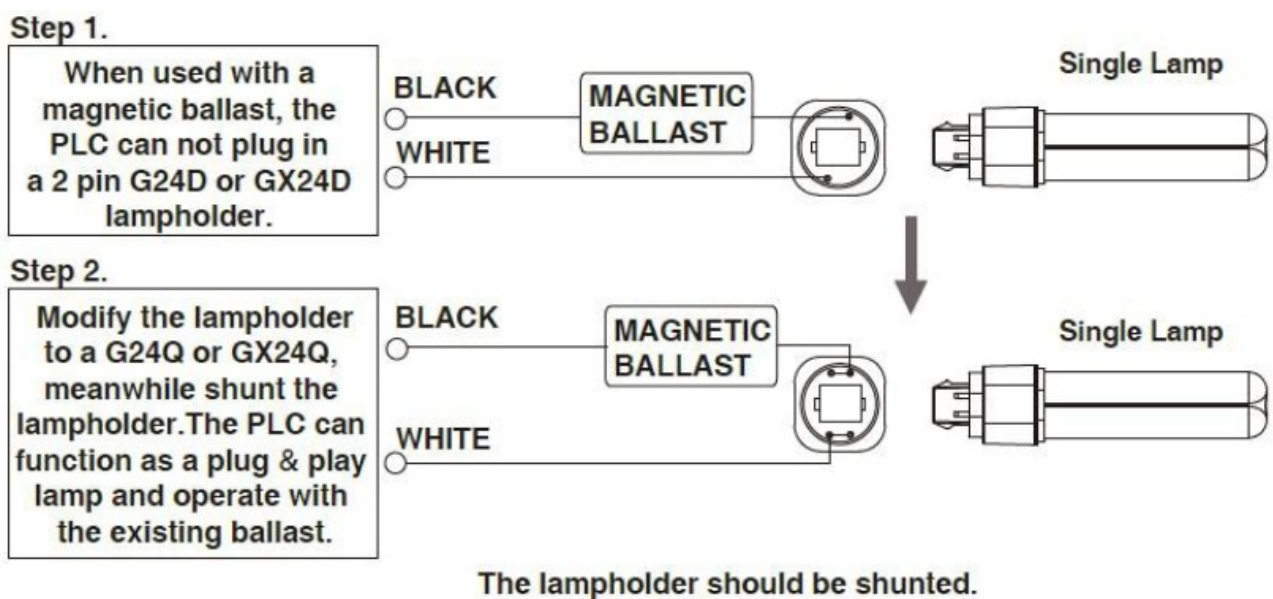
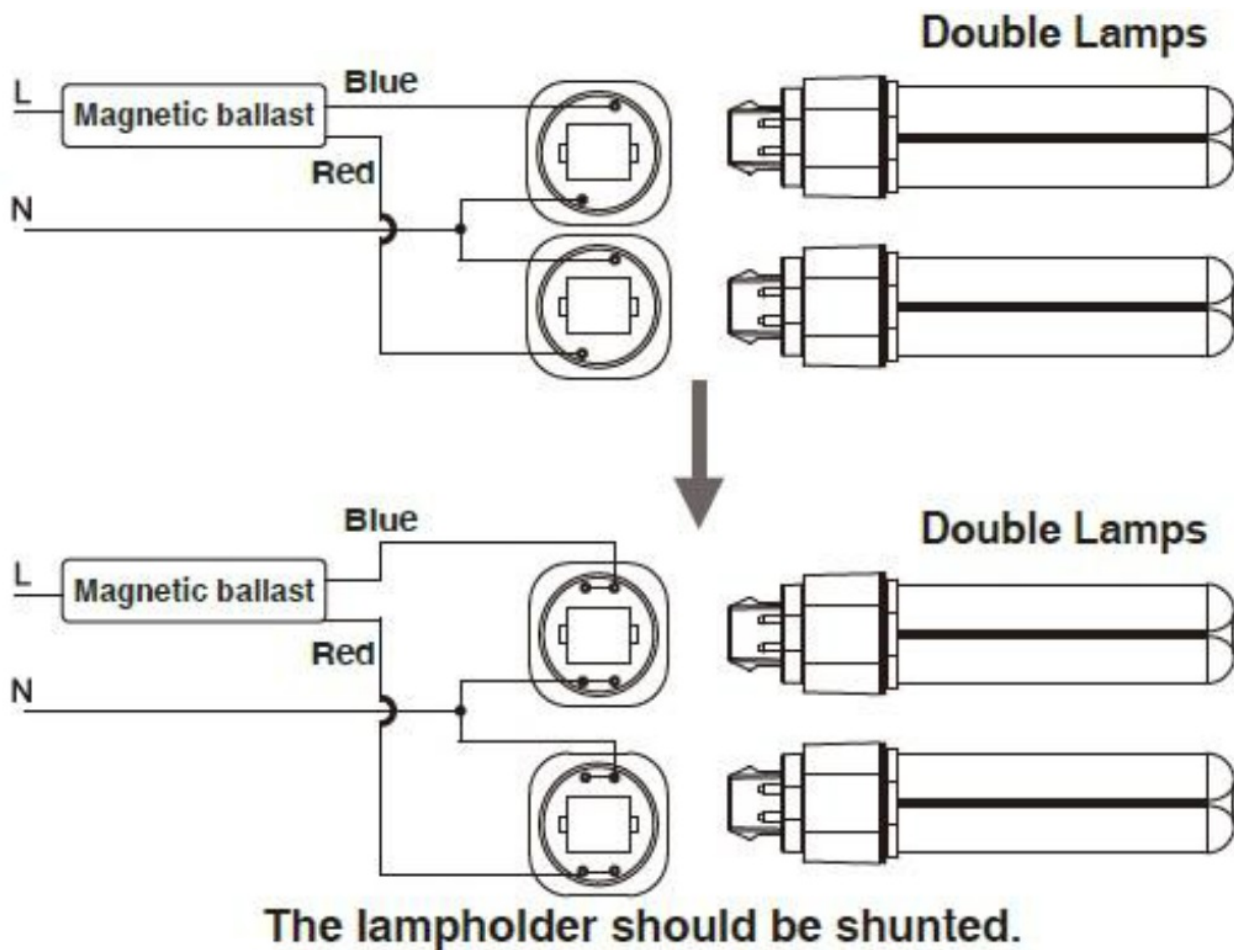


Diagram 2 – Magnetic Ballast Fixture Wiring



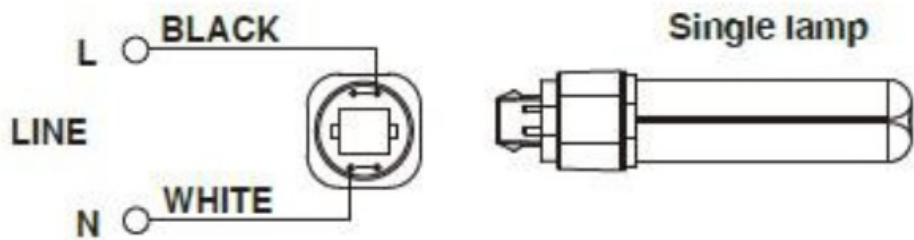


Type B: Ballast Bypass

1. Read all WARNINGS before proceeding with installation.
2. Ensure fixture is powered by 120-277V.
3. Make sure the POWER IS OFF AT THE AC MAIN POWER SOURCE OR ELECTRIC PANEL.
4. Remove fixture cover or lens, if applicable. Remove fluorescent lamp.
5. Before rewiring, check the number of lamps per fixture and refer to the relevant section in the Compartment Dimensions chart (see Compartment Dimensions section).
6. If the fixture does not have a ballast, use Diagram 3 (below) for single or double lamp installation.
7. If the fixture has an electronic ballast, use Diagram 4 (below) for ballast removal instructions.
8. If the fixture has a magnetic ballast, use Diagram 5 (below) for ballast removal instructions.
9. Move the CCT switch to the desired setting before installing the lamp. See CCT Selection section.

10. Ensure the power input pins on the lamp align with the corresponding contacts in the wired lampholder and then insert the lamp into the holder.
11. Make sure the “Modification Sticker” is visibly affixed to the fixture, and if applicable, reinstall the housing cover or lens.
12. Turn the power back on. Installation is complete.

Diagram 3 – Fixture w/o Ballast



The lampholder should be shunted.

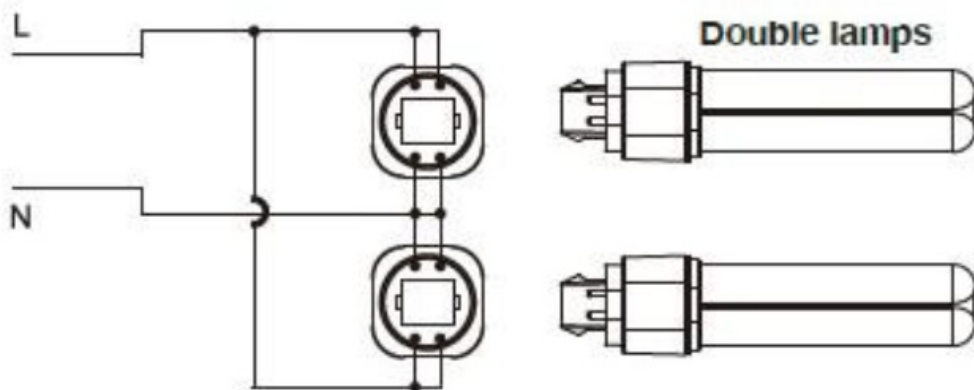
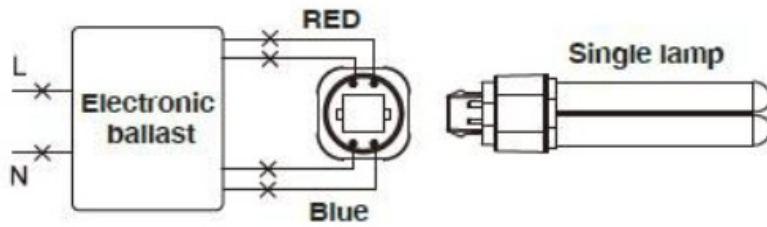


Diagram 4 – Electronic Ballast Fixture Wiring Modification

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



Rewire power source directly to wires leading to lampholders

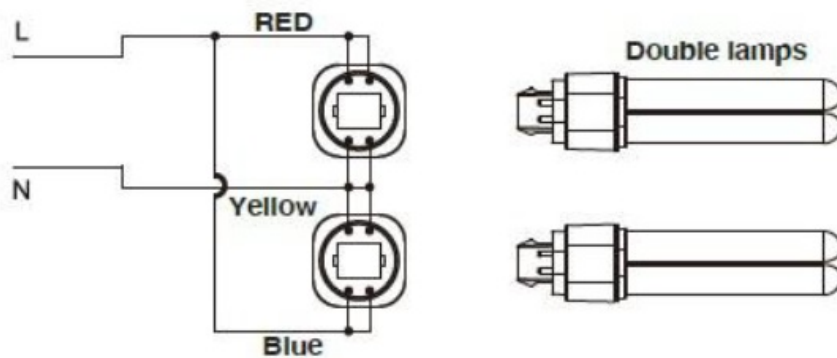
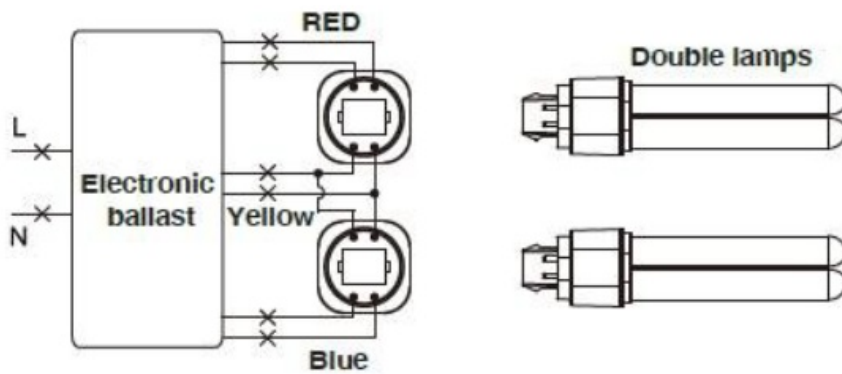
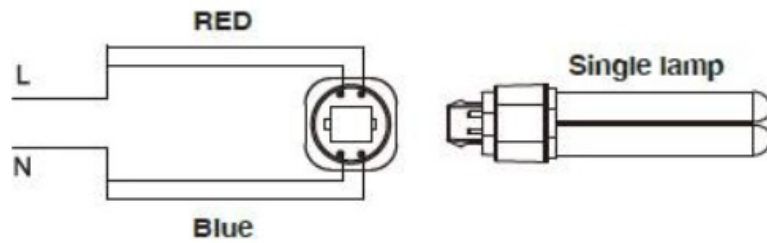
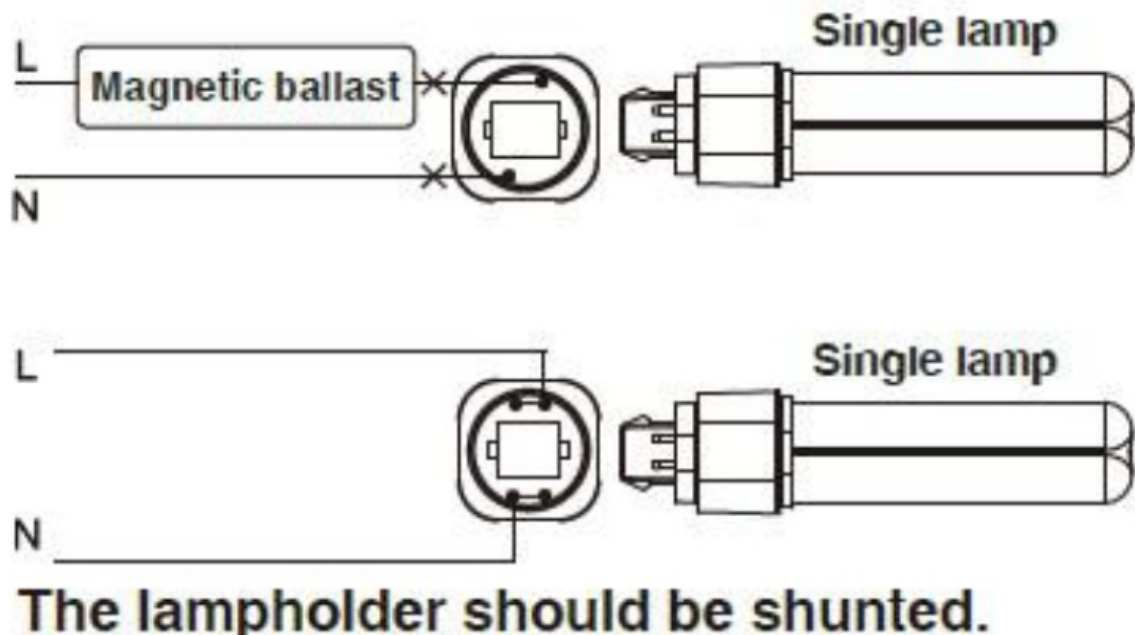


Diagram 5 – Magnetic Ballast Fixture Wiring Modification

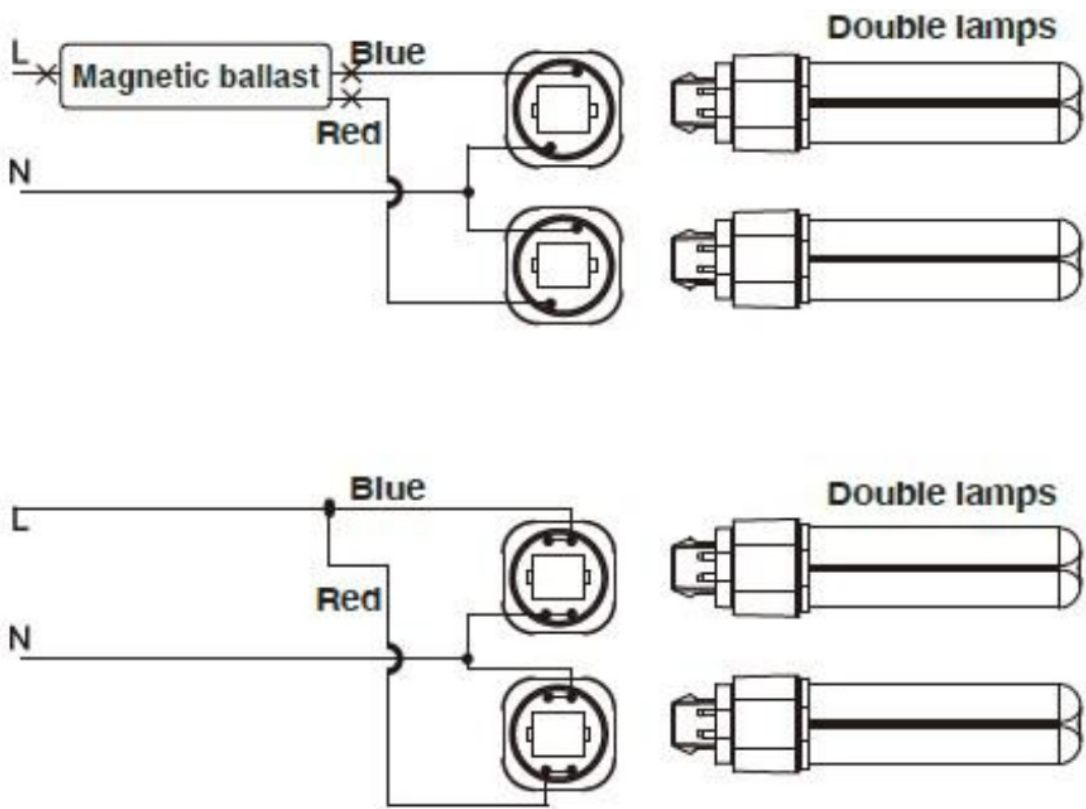
When used with a magnetic ballast, cut all wires connected to the ballast. And the PLC can not plug in a 2 pin G24D or GX24D lamp holder. Modify the lamp holder to a G24Q or GX240, meanwhile shunt the lamp holder.

Rewire power source directly to wires leading to lamp holders



When used with a magnetic ballast, cut all wires connected to the ballast. And the PLC can not plug in a 2 pin G24D or GX24D lampholder. Modify the lamp holder to a G24Q or GX240, meanwhile shunt the lamp holder.

Rewire power source directly to wires leading to lamp holders



The lampholder should be shunted.

Magnetic Ballast Compatibility List

This ballast compatibility chart is for guidance when selecting a ballast and lamp combination. Lamps were tested for compatibility with the above listed ballasts. Ballasts that do not appear on the chart might still be compatible but have not been tested. All testing has been performed with a stable main supply. The quality of the local main, existing installation and wiring, as well as different manufacturer versions of the below ballasts may affect lamp performance. Since no assurance can be provided regarding these factors, it is a general recommendation to perform a test onsite prior to installing the LED lamps.

Ballast Brand	Model	120V		277V	
		Compatibili ty	Compatibili ty	Compatibili ty	Compatibili ty
		1-lamp	2-lamp	1-lamp	2-lamp

Philips	H-1Q26-TP-BLS	OK	N/A	N/A	N/A
Robertson	HP28P	OK	N/A	N/A	N/A
Robertson	HP22627P	N/A	N/A	N/A	OK
Robertson	O1527P(3P10104)	N/A	N/A	OK	N/A

Electronic Ballast Compatibility List

This ballast compatibility chart is for guidance when selecting a ballast and lamp combination. Lamps were tested for compatibility with the below listed ballasts. Ballasts that do not appear on the chart might still be compatible but have not been tested. All testing has been performed with a stable main supply. The quality of the local main, existing installation and wiring, as well as different manufacturer versions of the above ballasts may affect lamp performance. Since no assurance can be provided regarding these factors, it is a general recommendation to perform a test onsite prior to installing the LED lamps. Subject to change without notice.

Ballast Brand	Ballast Model	Lamp Quantity	Voltage	Compatibility
Philips-Advance	ICF-2S18-H1-LD	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Philips-Advance	ICF-2S26-H 1-LD	1	120V	OK
		1	277V	OK
		2	120V	OK

		2	277V	OK
Philips-Advance	ICF-2S13-M1-BS-QS	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Philips-Advance	ICF-2S18-M1-BS-QS	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Philips-Advance	ICF-2S26-M1-BS-QS		120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Philips-Advance	ICF-2S42-M2-LD		120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK

Philips-Advance	IZT-2S26-M5-BS	1	120V	OK
		1	277V	OK
		2	120V	OK

		2	277V	OK
Triad/Universal Lighting	C213UNVBES	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Triad/Universal Lighting	C213UNVME	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Triad/Universal Lighting	C218UNVME	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Triad/Universal Lighting	C218UNVBE	1	120V	OK
		2	120V	OK
		2	277V	OK
Triad/Universal Lighting	C2642UNVME	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
		1	120V	OK

Triad/Universal Lighting	C2642UNVBE	1	277V	OK
		2	120V	OK
		2	277V	OK
Sylvania	QTP 1/2x13CF/UN V DM	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Sylvania	QTP 1/2x18CF/UN V DM	2	120V	OK
		2	277V	OK
Sylvania	QTP 2x26/32/42C F/UNV DM	2	120V	OK
Howard	EP2/13CF/MV/2	1	120V	OK
		1	277V	OK
		2	120V	OK
		2	277V	OK
Sola	E-724-U-226-M 1-S		120V	
Fulham	WH2-277-L	1	277V	OK
		2	277V	OK
Fulham	WH3-277-L	1	277V	OK
		2	277V	OK

Fulham	WH4-277-L	1	277V	OK
		2	277V	OK
Robertson	RED1L10-120H		120V	OK

Compatible Emergency Ballasts (Type A) & Emergency Drivers (Type B)

This ballast compatibility chart is for guidance when selecting a ballast and lamp combination. Lamps were tested for compatibility with the below listed ballasts.

Emergency ballasts that do not appear on the chart might still be compatible but have not been tested. All testing has been performed with a stable main supply. The quality of the local main, existing installation and wiring, as well as different manufacturer versions of the above ballasts may affect lamp performance. Since no assurance can be provided regarding these factors, it is a general recommendation to perform a test on-site prior to installing the LED lamps. Subject to change without notice.

Type A – EM Ballast	
Brand	Model
Bodline	B30ST
Bodline	LP600
Iota	Iota 1-320
Fulham	FH5-DUAL-1400L
Lithonia	PS1400QD

Type B – EM Driver	
Brand	Model
Fulham	FHSCP-UNV-10.7WL
Fulham	FHSCP-UNV-13.7WL
Fulham	FHSCP-UNV-17WL
GREEN CREATIVE	23EMDRIVER
GREEN CREATIVE	5EMDRIVER

0-1 OV Dimmer Compatibility List

This compatibility chart is for guidance when selecting a ballast, dimmer and lamp combination. Lamps were tested for compatibility with the below listed ballasts or dimmers. Ballasts or dimmers that do not appear on the chart might still be compatible but have not been tested. All testing has been performed with a stable main supply. The quality of the local main, existing installation and wiring, as well as different manufacturer versions of the above ballasts may affect lamp performance. Since no assurance can be provided regarding these factors, it is a general recommendation to perform a test on-site prior to installing the LED lamps.

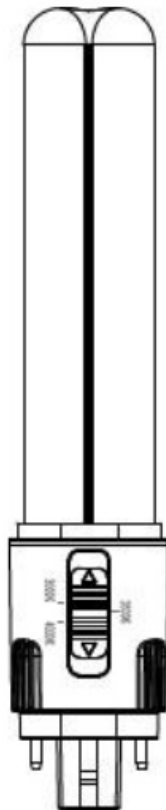
Brand	Model	# of Lamps	0-10V Dimmer Compatibility				
			Lutron – Nova		Lutron – Diva		Leviton – Illumatech
			NTSTV-DV	NFTV	DVSCTV	DVSTV	IP710-LFZ
			960W	2000W	1000W	960W	1200W
Philips	IZT-2S26-M 5-BS	1-lamp	OK	OK	OK	OK	OK
		2-lamp	OK	OK	OK	OK	OK
Philips	IZT-2S26-M 5-LD	1-lamp	OK	OK	OK	OK	OK
		2-lamp		OK	OK	OK	OK
Philips	IZT-2T42-M 5-BS	1-lamp		OK	OK	OK	
		2-lamp		OK	OK	OK	
Philips	IZT-2T42-M	1-lamp		OK	OK	OK	

ps	5-LD	2-lamp		OK	OK	OK	
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CCT Selection

CCT default setting: 4000K

The color temperature can be adjusted by using the switch located at the base of the lamp. The switch has three options corresponding to three color temperatures. Select a color temperature by sliding the switch to the desired setting.



FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and on the fixture box and all fixture labels.
- Proper grounding is required to ensure safety.
- Power must be turned off at the breaker before installation or maintenance.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Wear gloves and eye protection at all times while installing, servicing, or performing maintenance on the luminaire, and avoid direct eye exposure to the light source while it is on.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not install damaged product. Inspect luminaire for damage that may have occurred during transit. If damaged, contact the manufacturer immediately.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, contact the manufacturer.
- [972-535-0926](tel:972-535-0926)
- pltsolutions.com | ver 042825

Documents / Resources



[PLT PLT-20332 Color Selectable LED PL Lamp \[pdf\]](#) Installation Guide
PLT-20332, PLT-20332 Color Selectable LED PL Lamp, PLT-20332, Color
Selectable LED PL Lamp, LED PL Lamp, Lamp

References

- [User Manual](#)

📎 Color Selectable LED PL Lamp, lamp, LED PL Lamp, PLT, PLT-20332, PLT-20332 Color Selectable LED PL

📁 PLT Lamp

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