

IllumaTech 0-10V Dimmer

Cat. Nos. IP710-F and IP710-FL
Ratings 120/277VAC 50/60Hz

10A LED 60Hz, 120VAC/277VAC | 1200VA Electronic Ballast 120VAC | 1500VA Electronic Ballast 277VAC
8A LED 50Hz, 120VAC/277VAC | 950VA Electronic Ballast 120VAC | 1200VA Electronic Ballast 277VAC
50mA DC maximum sink current, Single Pole or 3-Way/4-Way

For Use with LED fixtures using 0-10V dimmable power supply/drivers, Advance Transformer Mark 7® OSRAM Sylvania QUICKTRONIC® Helios™, or equivalent dimmable ballasts.



WARNINGS:

- **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING OR SERVICING FIXTURE!**
- **TO AVOID FIRE, PERSONAL INJURY OR PROPERTY DAMAGE,** use only with the appropriate LED 0-10V dimmable power supplies/drivers, Advance Transformer 120/277V Mark 7® 0-10V ballasts or OSRAM Sylvania QUICKTRONIC® Helios™ electronic ballasts.

CAUTIONS:

- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.
- Lighting fixture and dimmer must be grounded.
- Use only one (1) dimmer in a 3-way or 4-way circuit. The switch(es) will turn the light on at the brightness level selected at the dimmer.
- Use this device only **WITH COPPER OR COPPER-CLAD WIRE.**
- To avoid damage to the product, **DO NOT** use disinfecting products, including foggers, sprays or other types of atomized cleaning agents. **DO NOT** spray liquid onto the product. To clean use a damp cloth with mild soap.

DI-000-IP710-02J-W

INSTALLATION INSTRUCTIONS

ENGLISH

Features

- Maximum brightness adjustment to fine tune the dimmer range and eliminate unwanted performance at the high range.
- Minimum brightness adjustment to fine tune the dimmer range and eliminate unwanted performance in the low range.
- Single pole and 3-way/4-way.
- Locator light to help find the dimmer in the dark (IP710-FL only).
- Separate on/off switch allows you to set and keep preferred dimming level.
- Controls up to 25 ballasts or drivers (IEC 60929 annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).
- Accessories
 - Color change faceplates available in white, ivory, light almond, gray, black, brown and red.
 - i. IPKIT-LN non lighted color change faceplate for use with IP710-F
 - ii. IPKIT-00 for lighted IP710-FL
 - OPP20 power pack with additional 20 amp load rating to increase lighting load, control multiple phase loads on the same circuit, or add daylight harvesting to meet energy code compliance.

Installation tools needed

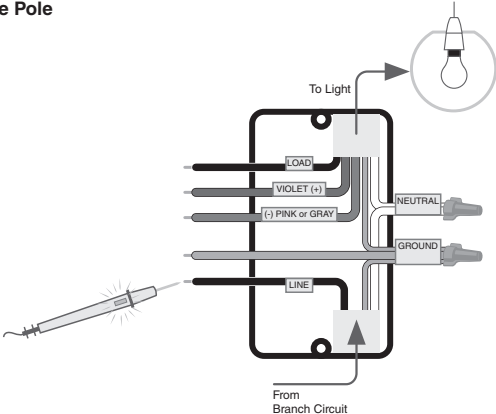
- Slotted/Philips screwdriver
 - Small slotted screwdriver (for maximum and minimum adjustments)
- Electrical tape
- Cutters
- Pliers
- Wire connectors

Identify your wires

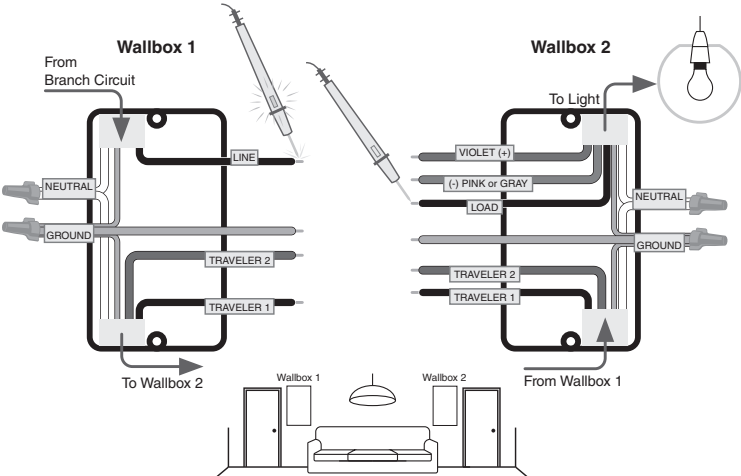
WARNING: TO AVOID FIRE, SHOCK OR DEATH, turn off power at circuit breaker or fuse and test that the power is off before wiring.

1. Remove wallplate and disconnect existing switch.
2. Restore power. Carefully test wires with voltage tester to find the line (hot) wire.
3. Turn off power at the circuit breaker.
4. Mark the wires as shown below.

Single Pole



3-way

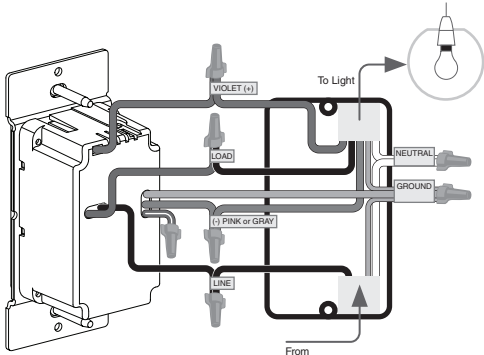


Wire your dimmer

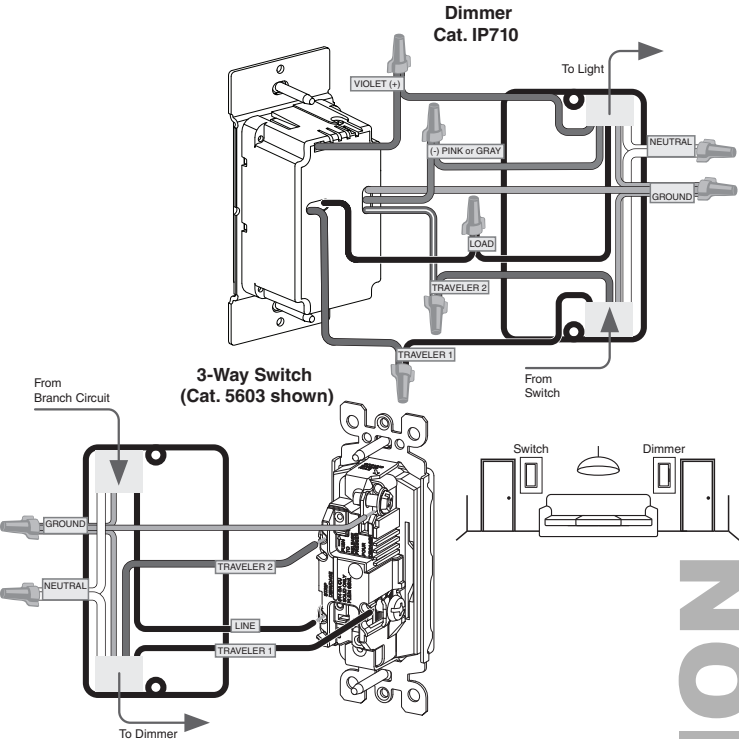
WARNING: TO AVOID FIRE, SHOCK OR DEATH, turn off power at circuit breaker or fuse and test that the power is off before wiring.

1. Work on one connection at a time.
2. Connect wires as shown.

Single Pole

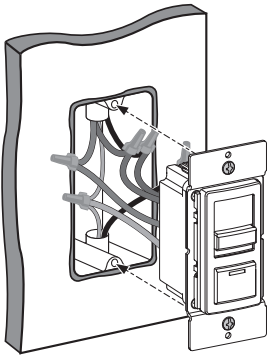


3-way



Test and install

1. Restore power.
2. Press the switch on, slide the dimmer bar up and down to confirm it is receiving power. Turn the power back off at the breaker prior to completing the installation.



Turn off power at circuit breaker before screwing in your dimmer.

3. Gently push wires into wallbox. Screw dimmer to box.
4. Install wallplate and restore power.

WEB VERSION

Operation

NOTE: If using the dimmer in a 3-way application, the lights will turn ON at the brightness set on dimmer's slide control lever. The lights can be controlled from either the dimmer or the switch location.

ON/OFF: Depress push-button switch to ON position - Lights will turn ON. Depress push-button switch to OFF position - Lights will turn OFF.

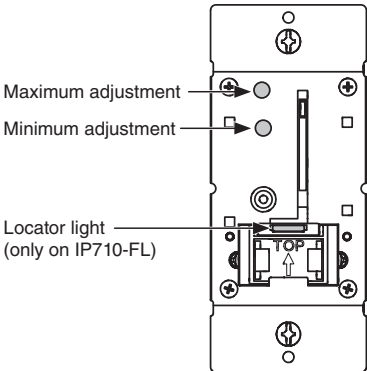
Brighten and dim: Move slider control lever - Lights will brighten or dim.



Customization (optional)

This dimmer features a maximum and minimum adjustment to fine tune the dimmer range and eliminate unwanted performance at the high or low range. To make an adjustment:

- Turn on the light.
- Slide the dimming adjustment to the top (maximum) or bottom (minimum).
- Remove the color change faceplate.
- Use a small slotted screwdriver to adjust the maximum or minimum light level until the desired level is achieved.



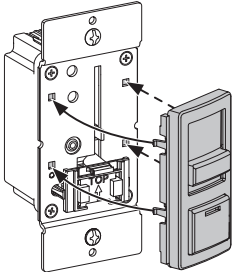
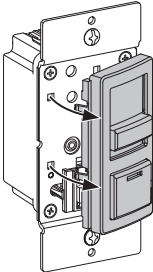
Change the color of your device (optional)

You can easily change the color of your dimmer using the following part numbers:

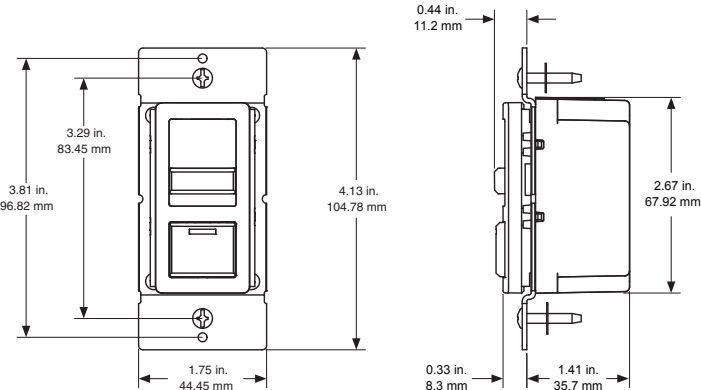
- IPKIT-LN non lighted color change faceplate for use with IP710-F.
- IPKIT-00 for Lighted IP710-FL.

Color Change Faceplates available in white, ivory, light almond, gray, black, brown and red.

1. Push in side tabs to release.
2. Line up tabs and press in side to attach.
NOTE: Move slider on dimmer and slider on change kit to bottom of the slide bar prior to engaging.



Dimensions



What to do if...

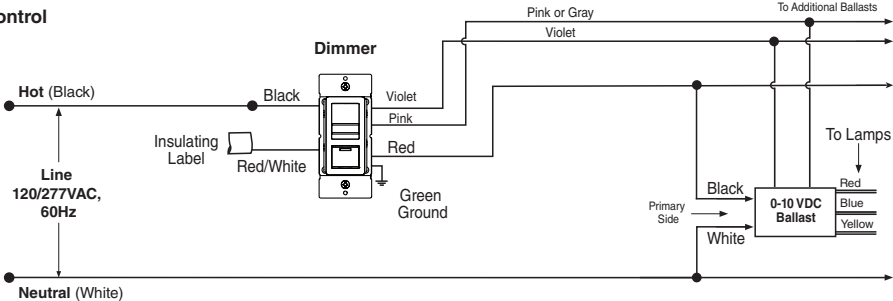
Issue	Solution
Lights Flicker	Check bulb connection Make sure wires are secured firmly with wire connections
LED flickers at low end of dimming range or low end has dead travel	Increase the low end of the dimming range Customization – setting minimum light
LED flickers at high end of dimming range or there is dead travel at the high end	Decrease the high end of the dimming range Customization – setting maximum light
Light does not turn ON	Check the circuit breaker or fuse Check to see if the bulb is burned out
Lamp will not dim	Confirm the proper wiring of the Violet (+) and Pink (-) wires

Dead Travel = adjusting the slide bar on the dimmer and there is no change in light level.
EXAMPLE – you slide the bar from 20% to 50% yet the light doesn't change brightness.

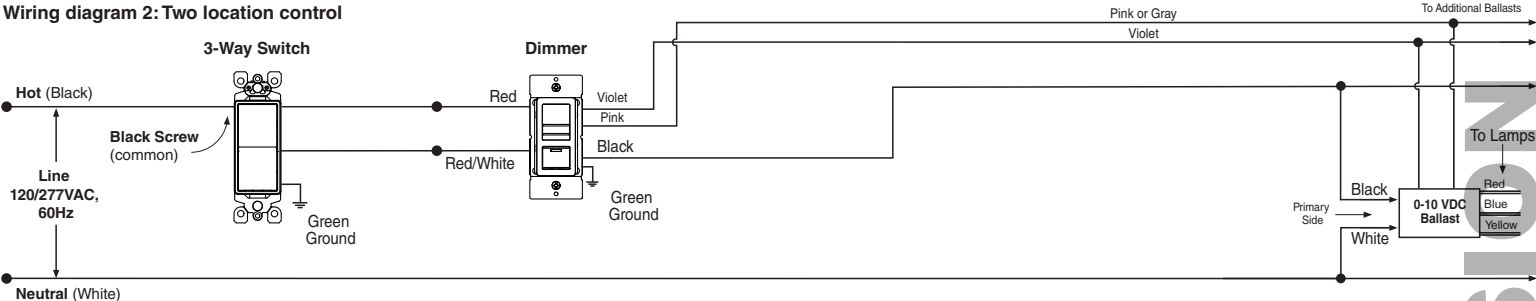
Wiring diagrams

WARNING: TO AVOID FIRE, SHOCK OR DEATH, turn off power at circuit breaker or fuse and test that the power is off before wiring.

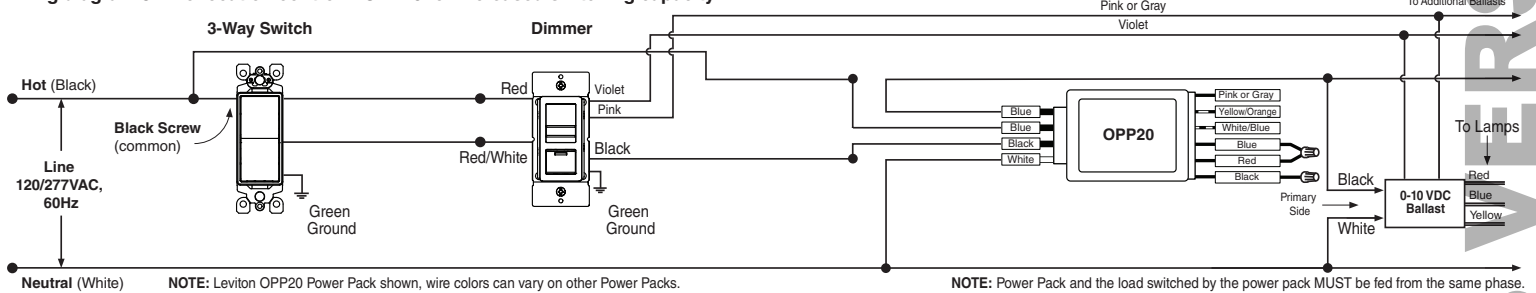
Wiring diagram 1: Single location control



Wiring diagram 2: Two location control



Wiring diagram 3: Two location control - OPP20 for increased switching capacity



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Patents covering this product, if any, can be found on leviton.com/patents

FOR CANADA ONLY

For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada ULC** to the **attention of the Quality Assurance Department**, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9 or by telephone at 1 800 405-5320.

LIMITED 5 YEAR WARRANTY

For Leviton's limited 5 year product warranty, go to www.leviton.com. For a printed copy of the warranty, call 1-800-824-3005.