Let's Get Started.

Plum installation guide

SAFETY FIRST

WARNING: TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH APPROPRIATE ELECTRICAL CODES AND REGULATIONS.
WARNING: IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECTRICIAN.
WARNING: TO AVOID OVERHEATING AND POSSIBLE DAMAGE TO THIS DEVICE AND OTHER EQUIPMENT, DO NOT CONFIGURE THE PLUM LIGHTPAD IN DIMMER MODE TO CONTROL A RECEPTACLE, FLUORESCENT LIGHTING, A MOTOR, OR A TRANSFORMER-OPERATED APPLIANCE.

Interference Warnings
NOTE: 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. The Plum Lightpad dimmer 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 the Plum Lightpad dimmer does cause harmful interference to radio or television reception, which can be determined by turning the Plum Lightpad dimmer off and on, the user is encouraged to try to correct the interference by moving the Plum Lightpad dimmer to a different location.

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. Changes or modifications not expressly approved by Plum could void your authority to operate the equipment.

CAUTION: To Reduce the Risk of Overheating And Possible Damage To Other Equipment, Do Not Install To Control A Receptacle, A Motor-Operated Appliance, Or A Transformer-Supplied Appliance.

This device complies with Part 15 of the FCC Rules. 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.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

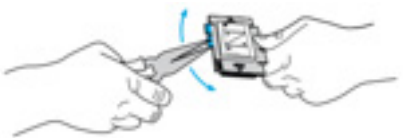
Exposure and Modification Warnings
This device has been designed to operate with an internal PCB trace antenna.

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

To comply with Industry Canada RF exposure limits for general population/uncontrolled exposure, the device with fixed internal antenna must not be collocated or operating in conjunction with any other antenna or transmitter, except in accordance with FCC and Industry Canada RF Exposure multi-transmitter procedures.

Pour se conformer aux limites d'exposition Industrie Canada RF pour la population générale / exposition non contrôlée, l'appareil avec antenne interne fixe ne doit pas être installé à proximité ou utilisé en conjonction avec une autre antenne ou un autre émetteur, sauf en conformité avec les procédures multi-émetteur FCC et Industrie Canada RF exposition .

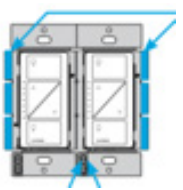
CAN ICES-3 (B)/NMB-3(B)



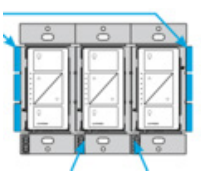
Multi-gang Installation

Plum Lightpad dimmers have aluminum tabs that dissipate heat generated by proper functioning of the dimmers. If lack of space dictates tab removal, do so ONLY at the break-off points shown. Any other kind of tab removal may void your warranty. WARNING: DO NOT GANG DIMMERS VERTICALLY (ONE DIRECTLY ABOVE ANOTHER).

Derating is not necessary when both sets of tabs are intact. The dimmer must be derated by 50W per set of tabs removed.



Double Ganging:
Break off the right side set of fins from the left unit and the left side set of fins from the right unit.

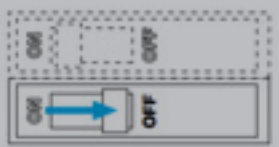


Triple Ganging:
Break off the right side set of tabs from the left unit, the left side set of tabs from the right unit, and both sets of tabs from the middle unit.

DERATING GUIDE	UNMODIFIED	1 TAB REMOVED	BOTH TABS REMOVED
Incandescent/Halogen	400W	350W	300W
MLV	300W	250W	200W
LED	150W	150W	150W

Installation

Hand flipping on a light switch next to a bulb that is lit



Hand flipping on a light switch next to a bulb that is not lit

1. Make sure the existing light switch is working correctly by turning on and off the light making sure the light turns on.

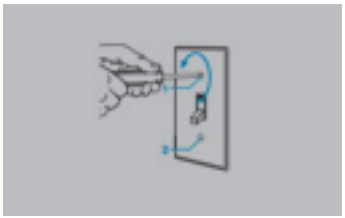
2. Turn off the breaker that is connected to that light switch.

WARNING! Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

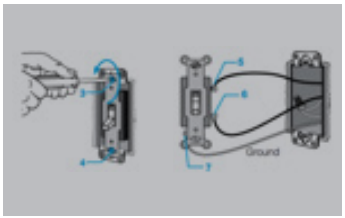
3. Verify that the correct breaker has been switched by turning on and off the switch again making sure that the light no longer turns on. If the light is continues to work, you've switched the wrong breaker.

   Repeat step 2 and 3 until you are successful before you proceed to the next step.

Installation



4. Remove the faceplate of the existing light switch.



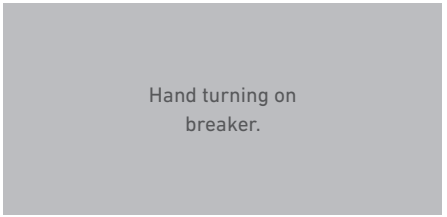
5. Remove the screws holding the existing switch to the wall.

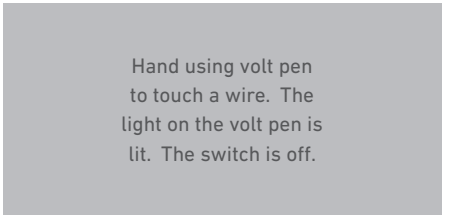
   Gently pull the switch from the wall – LEAVING THE CURRENT WIRES INTACT.

Smart phone taking a picture of the wires.

6. Take a photo of the switch showing the existing connection of the wires to the existing switch.

Installation

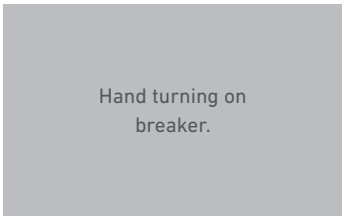


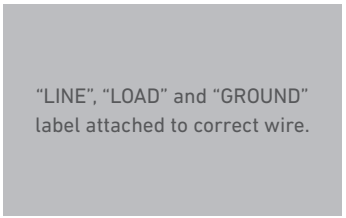


7. Verify the existing wires using a volt meter or voltage tester as follows:

A. Turn the breaker back on.
B. Do not touch any wires. Verify that the light switch operates normally by turning it on.
C. Turn the switch off again (not the breaker) and test both wires attached to the dimmer with the voltage tester. You are looking for the wire that has 120V on it while the switch is off. The other wire should have zero volts on it. The wire with 120V is called “Line”. The wire with 0V is called “Load”.

Installation

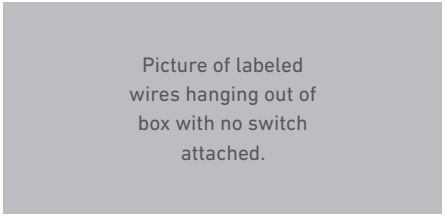




8. To label the wires, do as follows:

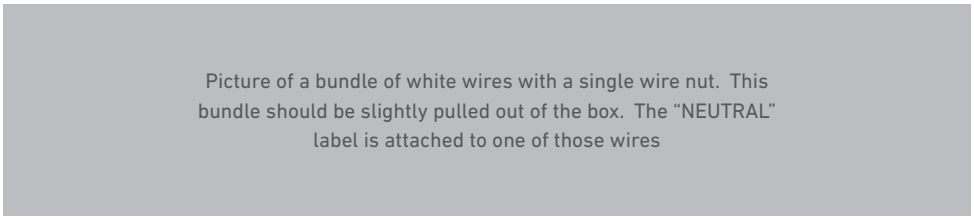
A. Turn off the breaker.
B. Verify that the right breaker is off by turning on the light switch and verifying that the light does not come on.
C. Use the provided labels and label the “Line” wire with the black LINE sticker
D. Label the “Load” wire with the red LOAD sticker.
E. Label the bare copper or green wire with the GROUND label.

Installation



9. Disconnect the wires from your existing switch and place your old switch aside. Save this switch for possible future use.

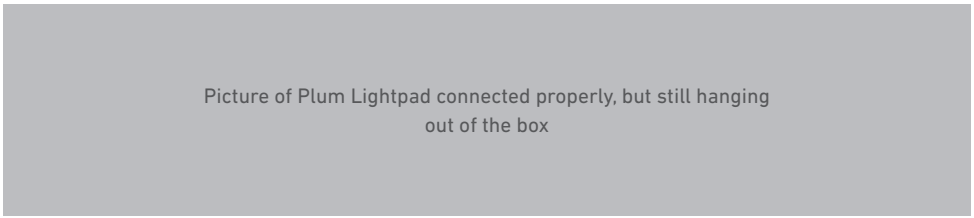
Installation



10. Find the neutral wire as follows:

A. Neutral wires are typically white in color and are not used with a standard switch.
B. You will most likely find the white neutral wire in the back of the electrical box behind the switch. It is likely capped with a wire nut.
C. If you are replacing a switch in a multi-gang box you will likely find multiple white neutral wires joined together with a wire nut.
D. Place the NEUTRAL sticker on the neutral wire.

Installation



11. Connect your new Plum Lightpad using the attached wire nuts as follows:

A. Connect the BLACK wire from the Lightpad to the “LINE” wire.
B. Connect the RED wire from the Lightpad to the “LOAD” wire.
C. Connect the GREEN wire from the Lightpad to the “GROUND” wire.
D. Connect the WHITE wire from the Lightpad to the “NEUTRAL” wire.

Use Copper wire only. If needed, strip insulation or trim wire to 1/2” exposed wire. Connect wires with the provided wire nuts. The provided wire nuts can hold a maximum of four 16 gauge wires*.

*Wire nuts can hold a maximum of 4 -14 gauge wires & 1-18 gauge wire and a minimum of 2-18 gauge wires.

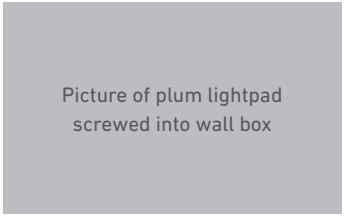
Installation

12. Attach the Plum Lightpad to your wall using the two Philips head screws provided.

13. Test the Plum Lightpad as follows:

A. Turn the breaker on.
B. The Plum Lightpad will cycle through these colors:
C. White for 50 seconds
D. Multicolor for 3 seconds
E. You should now be able to tap the touch-pad interface of the Plum Lightpad and turn your light on and off. (It will not yet dim the light)

14. If the Plum Lightpad is operating correctly, you may install the faceplate back onto the light.



Thank you.

We hope you enjoy our product.

Visit www.plumlife.com to learn how to get the most out of your plum lightpads.