3691129c 1 08.23.21

# Sunnata LED+ Dimmer: STCL-153P

**Note: STCL-153P is pending obsolescence. The new model number is STCL-153M.**

**Touch dimmer with advanced technology for dimming LED, CFL, Incandescent, and Halogen bulbs.**




Wallplate sold separately

## Features

- Touch dimmer with on/off paddle switch that fits in a standard designer wallplate opening.
- Advanced dimming technology designed for compatibility with a broad range of high efficacy bulbs.
- UL® Listed to control:
  - — Dimmable LED with integrated driver
  - — Halogen
  - — Incandescent
  - — Dimmable Compact Fluorescent Lamps (CFLs) with integrated ballast
- Low-end and high-end adjustments to accommodate a wide range of bulbs.
- No neutral required for wiring into any home.
- Can be used in single-pole or 3-way mechanical switch[1] applications.
- Coordinating Claro and Stainless Steel wallplates available separately.
- 100% factory tested.
- NEMA SSL-7A Compliant.

## Product Specific Features

- Capable of controlling up to 150 W Dimmable LED/CFL or 600 W Incandescent/Halogen or mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3).

## Model Number

| | |
|---|---|
| **STCL-153P-XX**[2,3] | Single-pole/3-way[1] |
| **STCL-153P-XX-C**[2,3,4] | Single-pole/3-way[1] |

**Please note, STCL-153P is pending obsolescence. STCL-153M is the replacement model number and meets all of the specifications of STCL-153P. See the STCL-153M Specification Submittal (P/N 3691167) at www.lutron.com/SunnataSupport**

**Notes:**

[1] An additional wiring step is required for 3-way mechanical switch applications. Not for use in 4-way mechanical switch applications. Not compatible with Lutron Maestro accessory dimmers.

[2] "XX" Color codes, see section “Colors and Finishes” on the next page.

[3] For clamshell packaging add "H" after "153P".

[4] For clamshell packaged product for Canada add "C" after the color code.

LUTRON SPECIFICATION SUBMITTAL Page

| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 2 08.23.21

# Specifications: STCL-153P

## Regulatory Approvals

- UL® Listed to U.S. and Canadian safety requirements (UL 1472/CSA C22.2 184.1)
- NOM
- FCC/IC

## Power and Ratings

- 120 V~ 60 Hz
- Maximum Load
  - 150 W Dimmable LED/CFL
    ***or***
  - 600 W Incandescent/Halogen
    ***or***
  - Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3)
- Minimum Load
  - Visit the online tool at lutron.com/LEDfinder for LED/CFL
    ***or***
  - 25 W Incandescent/Halogen

## Environment

- For indoor use only
- Operating temperatures 32 °F (0 °C) to 104 °F (40 °C)

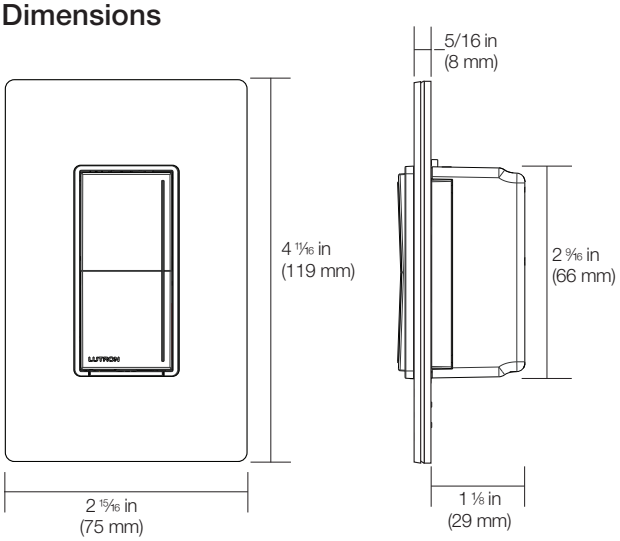
## Performance

- Power-failure memory
- Touch dimmer to go to any light level
- Electrostatic discharge tested
- Precise color matching
- Includes a Front Accessible Service Switch (FASS) for safe bulb replacement

## Application Requirements

- ***When using LEDs or CFLs, only bulbs marked or rated as Dimmable can be used.***
- To access our mobile friendly online tool of DIMMABLE LEDs and CFLs visit www.lutron.com/LEDfinder

## Dimensions




**Note:** Requires a U.S. wallbox 2 ¼ in (57 mm) deep minimum.

## Warranty

- 1 Year Limited Warranty.
  For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

## Colors and Finishes

### Gloss Finishes

| | |
|---|---|
| WH | White |
| IV | Ivory |
| LA | Light Almond |
| BL | Black |



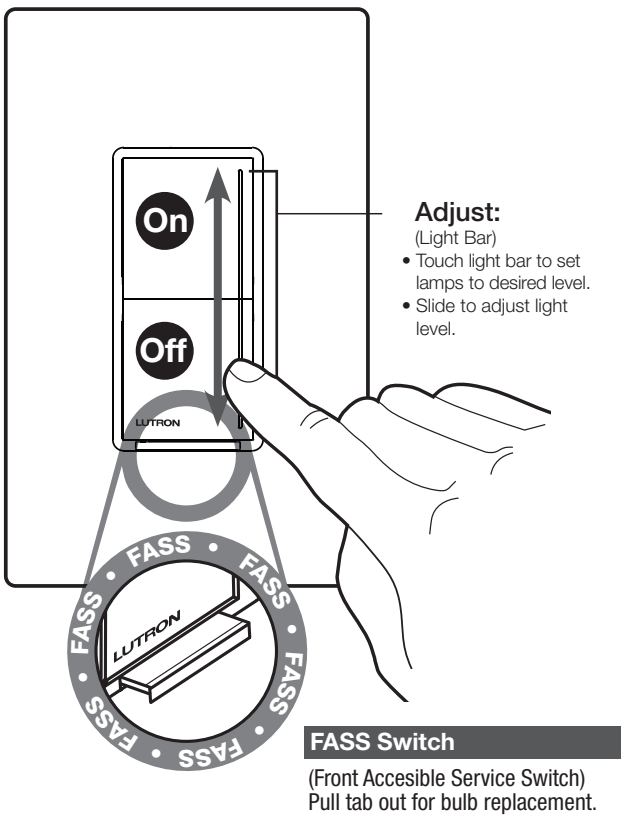
| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 3 08.23.21

## Multigang and Mixed-Bulb-Type Ratings: STCL-153P

| Total LED•CFL Wattage Installed (LED, CFL) (Watts per bulb X # of bulbs) | | Maximum Allowable Incandescent/Halogen Wattage (INC/HAL) | | |
|---|---|---|---|---|
| | | Single Gang | Middle of Gang | End of Gang |
| 0 W | + | 600 W | 500 W | 400 W |
| 1 W – 25 W | + | 500 W | 400 W | 300 W |
| 26 W – 50 W | + | 400 W | 300 W | 200 W |
| 51 W – 75 W | + | 300 W | 200 W | 100 W |
| 76 W – 100 W | + | 200 W | 100 W | 50 W |
| 101 W – 125 W | + | 100 W | 50 W | 0 W |
| 126 W – 150 W | + | 0 W | 0 W | 0 W |

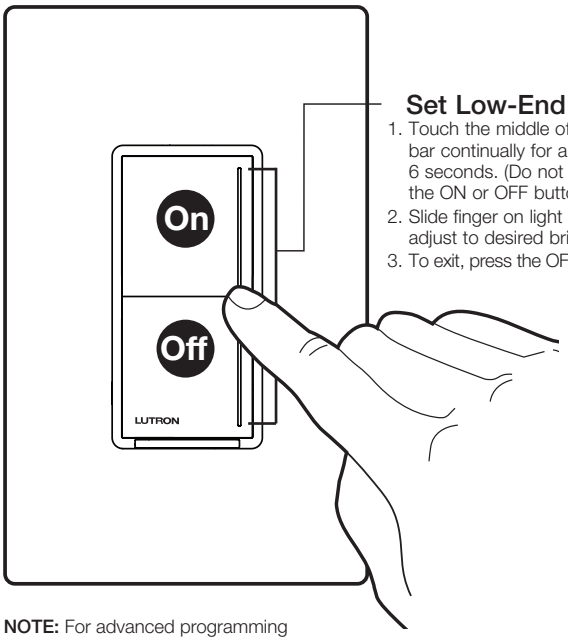
## Operation: STCL-153P




**Adjust:**
(Light Bar)
- Touch light bar to set lamps to desired level.
- Slide to adjust light level.

**FASS Switch**
(Front Accesible Service Switch)
Pull tab out for bulb replacement.

**For videos and step by step instructions, please see www.lutron.com/wiringwizard**




**Set Low-End Trim:**
1. Touch the middle of light bar continually for about 6 seconds. (Do not depress the ON or OFF buttons).
2. Slide finger on light bar to adjust to desired brightness.
3. To exit, press the OFF button.

**NOTE:** For advanced programming options see the **Sunnata Advanced Programming Mode,** Application Note (P/N 048734), at www.lutron.com/SunnataAFM



| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 4 08.23.21

## MyLevel Personalization Advanced Features

Sunnata dimmers contain advanced features that allow users to customize the control to meet their specific needs. Before entering MyLevel, it is important to have a good understanding of the advanced features.

### Explanation of Advanced Features

– **High-End Trim:** Adjust the maximum light level of the load.

– **Low-End Trim:** Adjust the minimum light level of the load.

– **Idle/Locator Light:** Select between ON and OFF for the Light Bar when not interacting with the control.

– **Light Bar Brightness:** Select between high, medium, and low brightness of the control's light bar.

– **Preset Light Level:** Change the behavior of the device when the ON button is pressed from the OFF state to ON.

– **Restore Factory Default Settings:** Return the control to its original settings.

### Default Settings

| Feature | Default |
|---|---|
| High-end Trim | ~114 V~ |
| Low-end Trim | ~22 V |
| Idle/Locator Light | ON/ON |
| Light Bar Brightness | Medium brightness |
| Preset Light Level | Pressing the ON button always sets the lights to full (locked preset at high-end) |

Please refer to the **Sunnata Dimmer MyLevel Personalization Application Note** (P/N 048734) at www.lutron.com/SunnataMyLevel for more information.



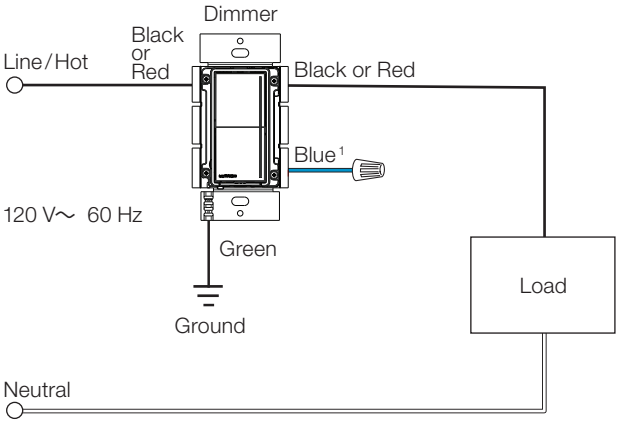
| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 5 08.23.21

# Wiring Diagrams: STCL-153P only

**Please note: STCL-153M has additional wiring configurations for 3-way and multi-location. See the STCL-153M Specification Submittal P/N 3691167 at www.lutron.com/SunnataSupport**

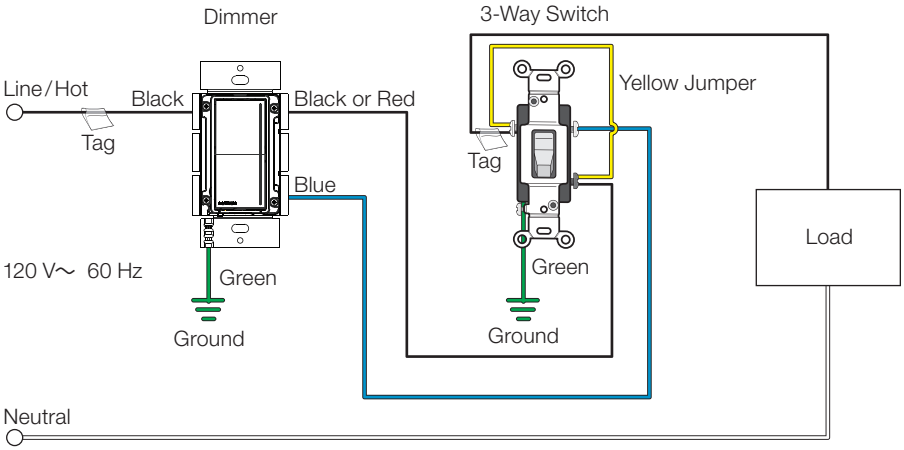
## Single Pole Wiring




[1] When using controls in single location installations, cap the blue terminal with a wirenut. Do not connect the blue wire to any other wiring or to ground.

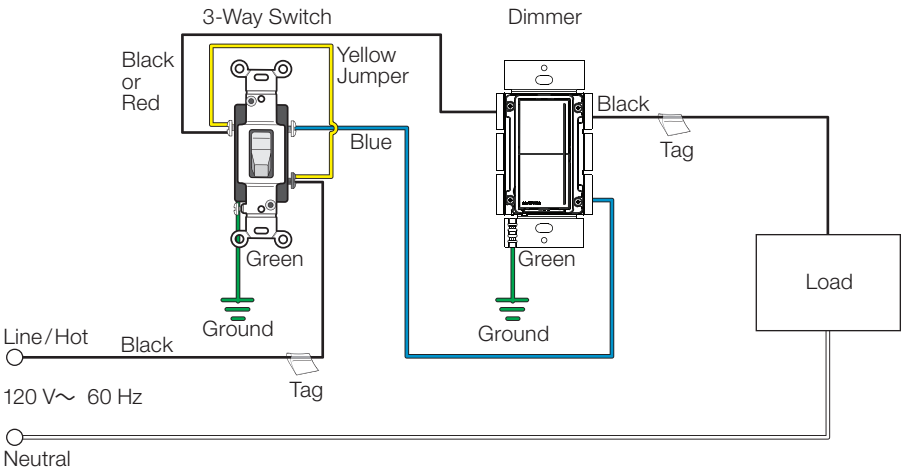
## 3-Way Wiring (Using 3-Way Mechanical Switch)

### Dimmer Line Side




**Note:** Dimmer can be installed on the line side or load side of the circuit. Not compatible with Lutron accessory switches or dimmers.

### Dimmer Load Side




The Lutron logo, Lutron, FASS, LED+, and Sunnata are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.
All other product names, logos, and brands are property of their respective owners.



| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 1 08.23.21

# Sunnata LED+ Dimmer: STCL-153P

**Note: STCL-153P is pending obsolescence. The new model number is STCL-153M.**

**Touch dimmer with advanced technology for dimming LED, CFL, Incandescent, and Halogen bulbs.**




Wallplate sold separately

## Features

- Touch dimmer with on/off paddle switch that fits in a standard designer wallplate opening.
- Advanced dimming technology designed for compatibility with a broad range of high efficacy bulbs.
- UL® Listed to control:
  - — Dimmable LED with integrated driver
  - — Halogen
  - — Incandescent
  - — Dimmable Compact Fluorescent Lamps (CFLs) with integrated ballast
- Low-end and high-end adjustments to accommodate a wide range of bulbs.
- No neutral required for wiring into any home.
- Can be used in single-pole or 3-way mechanical switch[1] applications.
- Coordinating Claro and Stainless Steel wallplates available separately.
- 100% factory tested.
- NEMA SSL-7A Compliant.

## Product Specific Features

- Capable of controlling up to 150 W Dimmable LED/CFL or 600 W Incandescent/Halogen or mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3).

## Model Number

| | |
|---|---|
| **STCL-153P-XX**[2,3] | Single-pole/3-way[1] |
| **STCL-153P-XX-C**[2,3,4] | Single-pole/3-way[1] |

**Please note, STCL-153P is pending obsolescence. STCL-153M is the replacement model number and meets all of the specifications of STCL-153P. See the STCL-153M Specification Submittal (P/N 3691167) at www.lutron.com/SunnataSupport**

**Notes:**

[1] An additional wiring step is required for 3-way mechanical switch applications. Not for use in 4-way mechanical switch applications. Not compatible with Lutron Maestro accessory dimmers.

[2] "XX" Color codes, see section “Colors and Finishes” on the next page.

[3] For clamshell packaging add "H" after "153P".

[4] For clamshell packaged product for Canada add "C" after the color code.

LUTRON SPECIFICATION SUBMITTAL Page

| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 2 08.23.21

# Specifications: STCL-153P

## Regulatory Approvals

- UL® Listed to U.S. and Canadian safety requirements (UL 1472/CSA C22.2 184.1)
- NOM
- FCC/IC

## Power and Ratings

- 120 V~ 60 Hz
- Maximum Load
  - 150 W Dimmable LED/CFL
    ***or***
  - 600 W Incandescent/Halogen
    ***or***
  - Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3)
- Minimum Load
  - Visit the online tool at lutron.com/LEDfinder for LED/CFL
    ***or***
  - 25 W Incandescent/Halogen

## Environment

- For indoor use only
- Operating temperatures 32 °F (0 °C) to 104 °F (40 °C)

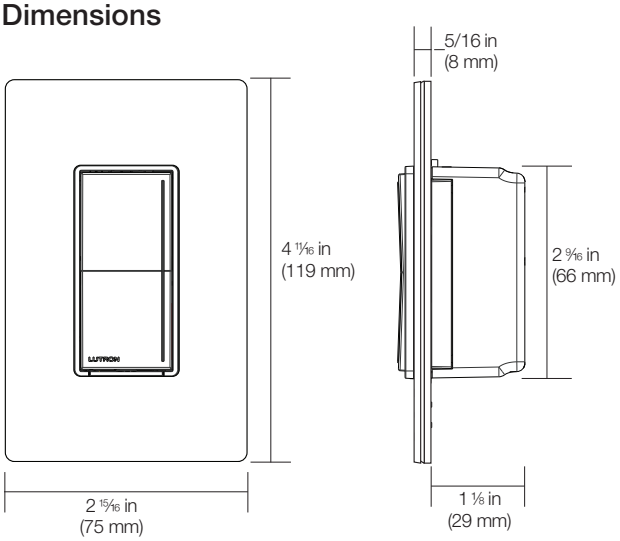
## Performance

- Power-failure memory
- Touch dimmer to go to any light level
- Electrostatic discharge tested
- Precise color matching
- Includes a Front Accessible Service Switch (FASS) for safe bulb replacement

## Application Requirements

- ***When using LEDs or CFLs, only bulbs marked or rated as Dimmable can be used.***
- To access our mobile friendly online tool of DIMMABLE LEDs and CFLs visit www.lutron.com/LEDfinder

## Dimensions




**Note:** Requires a U.S. wallbox 2 ¼ in (57 mm) deep minimum.

## Warranty

- 1 Year Limited Warranty.
  For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

## Colors and Finishes

### Gloss Finishes

| | |
|---|---|
| WH | White |
| IV | Ivory |
| LA | Light Almond |
| BL | Black |



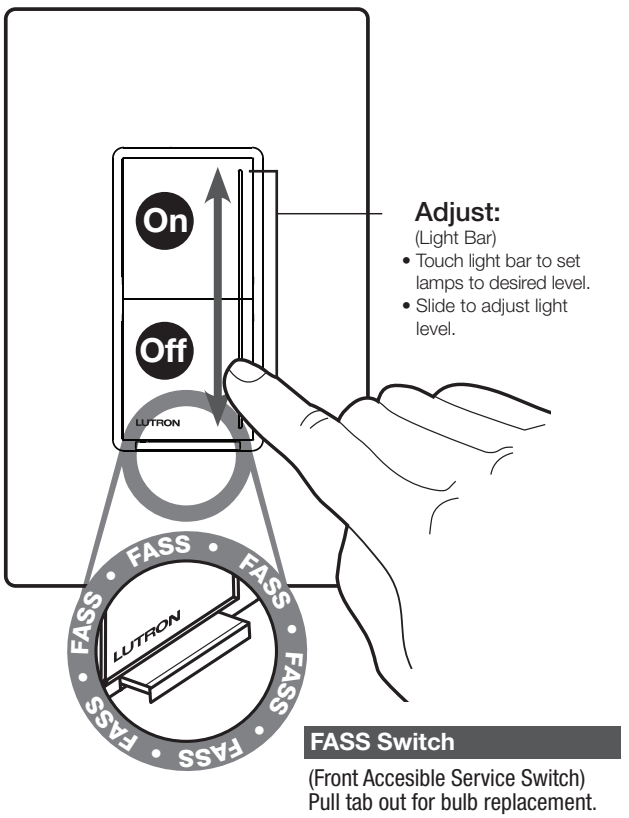
| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 3 08.23.21

## Multigang and Mixed-Bulb-Type Ratings: STCL-153P

| Total LED•CFL Wattage Installed (LED, CFL) (Watts per bulb X # of bulbs) | | Maximum Allowable Incandescent/Halogen Wattage (INC/HAL) | | |
|---|---|---|---|---|
| | | Single Gang | Middle of Gang | End of Gang |
| 0 W | + | 600 W | 500 W | 400 W |
| 1 W – 25 W | + | 500 W | 400 W | 300 W |
| 26 W – 50 W | + | 400 W | 300 W | 200 W |
| 51 W – 75 W | + | 300 W | 200 W | 100 W |
| 76 W – 100 W | + | 200 W | 100 W | 50 W |
| 101 W – 125 W | + | 100 W | 50 W | 0 W |
| 126 W – 150 W | + | 0 W | 0 W | 0 W |

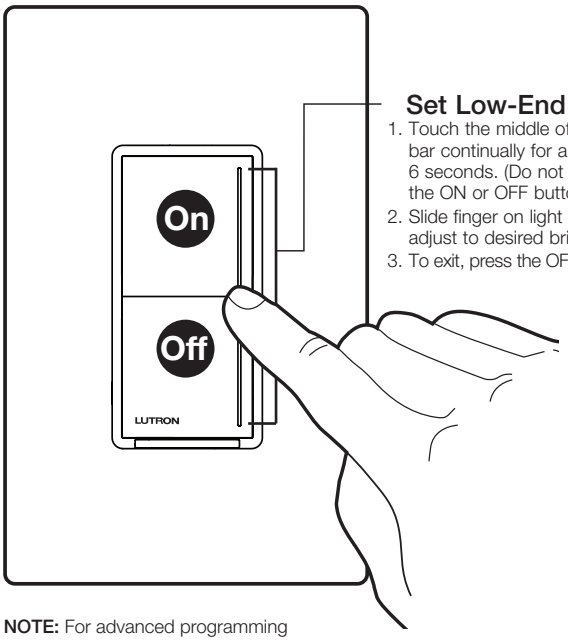
## Operation: STCL-153P




**Adjust:**
(Light Bar)
- Touch light bar to set lamps to desired level.
- Slide to adjust light level.

**FASS Switch**
(Front Accesible Service Switch)
Pull tab out for bulb replacement.

**For videos and step by step instructions, please see www.lutron.com/wiringwizard**




**Set Low-End Trim:**
1. Touch the middle of light bar continually for about 6 seconds. (Do not depress the ON or OFF buttons).
2. Slide finger on light bar to adjust to desired brightness.
3. To exit, press the OFF button.

**NOTE:** For advanced programming options see the **Sunnata Advanced Programming Mode,** Application Note (P/N 048734), at www.lutron.com/SunnataAFM



| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 4 08.23.21

## MyLevel Personalization Advanced Features

Sunnata dimmers contain advanced features that allow users to customize the control to meet their specific needs. Before entering MyLevel, it is important to have a good understanding of the advanced features.

### Explanation of Advanced Features

– **High-End Trim:** Adjust the maximum light level of the load.

– **Low-End Trim:** Adjust the minimum light level of the load.

– **Idle/Locator Light:** Select between ON and OFF for the Light Bar when not interacting with the control.

– **Light Bar Brightness:** Select between high, medium, and low brightness of the control's light bar.

– **Preset Light Level:** Change the behavior of the device when the ON button is pressed from the OFF state to ON.

– **Restore Factory Default Settings:** Return the control to its original settings.

### Default Settings

| Feature | Default |
|---|---|
| High-end Trim | ~114 V~ |
| Low-end Trim | ~22 V |
| Idle/Locator Light | ON/ON |
| Light Bar Brightness | Medium brightness |
| Preset Light Level | Pressing the ON button always sets the lights to full (locked preset at high-end) |

Please refer to the **Sunnata Dimmer MyLevel Personalization Application Note** (P/N 048734) at www.lutron.com/SunnataMyLevel for more information.



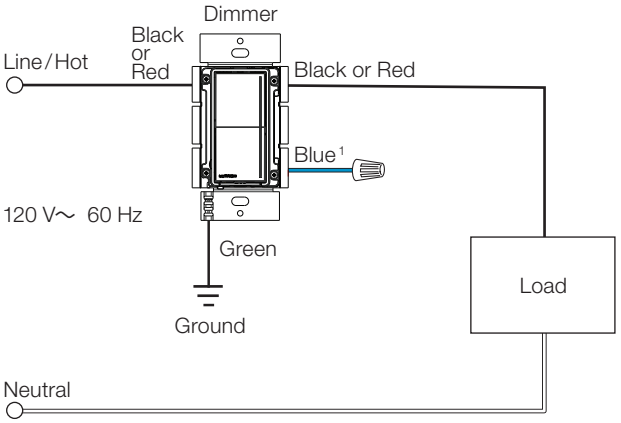
| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |

3691129c 5 08.23.21

# Wiring Diagrams: STCL-153P only

**Please note: STCL-153M has additional wiring configurations for 3-way and multi-location. See the STCL-153M Specification Submittal P/N 3691167 at www.lutron.com/SunnataSupport**

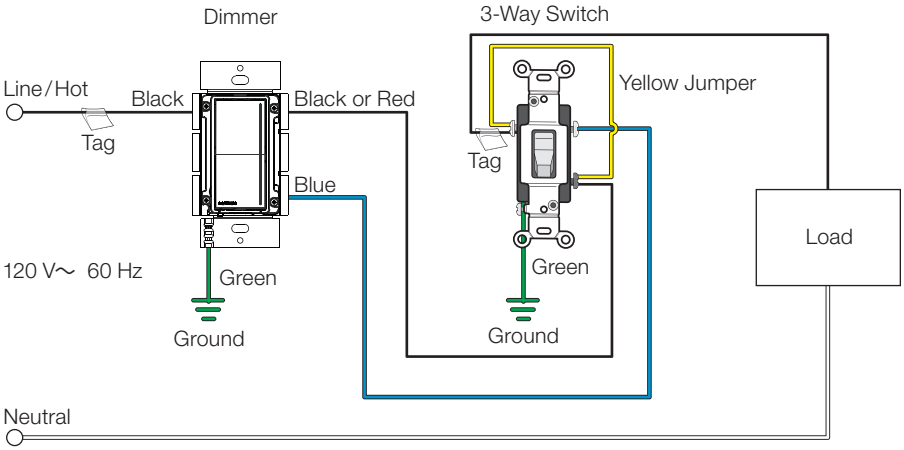
## Single Pole Wiring




[1] When using controls in single location installations, cap the blue terminal with a wirenut. Do not connect the blue wire to any other wiring or to ground.

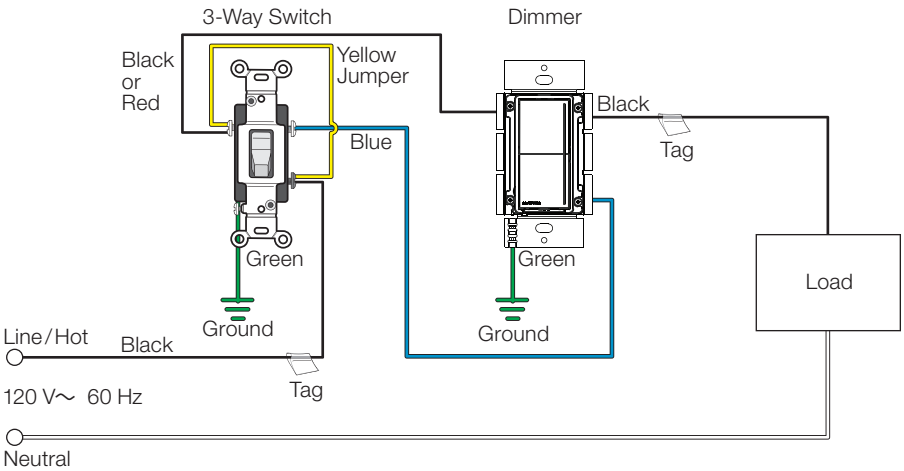
## 3-Way Wiring (Using 3-Way Mechanical Switch)

### Dimmer Line Side




**Note:** Dimmer can be installed on the line side or load side of the circuit. Not compatible with Lutron accessory switches or dimmers.

### Dimmer Load Side




The Lutron logo, Lutron, FASS, LED+, and Sunnata are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.
All other product names, logos, and brands are property of their respective owners.



| Job Name: | Model Numbers: |
|---|---|
| Job Number: | |