2.75 in (70 mm)



.65 in (16.5 mm) profile

Shown actual size: Nova dimmer and 1-gang Architectural wallplate in White (WH).

# **Product family features**

- · Slide adjusts light to suit any activity
- Full family of controls plus matching fan controls, switches and wiring devices
- Does not mount with Nova T☆
  aunder common wallplate
- Voltage compensation maintains stable light levels, despite line voltage variations
- · Mechanical air-gap to disconnect load power
- · 100% factory tested
- Original thick profile does not fit flush against the wall, for thinner profile, see Nova T☆ on pg. 26
- · Coordinating wallplate included
- Custom engraving and custom coloring available for wallplates, see pg. 155

# **Control types**

Single-pole (one location)

ত্তি তি 3-way or 4-way (two or more locations)

# **Direct load type compatibility**

₩ Electronic low-voltage lighting

Neon/cold cathode lighting

□ Fluorescent lighting

LED lighting

★ Ceiling fans

# Load types requiring load interface

Lighting load interfaces may be applicable for some load type, voltage and capacity combinations.

For additional information, see pg. 174.

### **Available finishes**

Use **BOLD** color code in model number (Example: N-600-**BE**) Architectural matte finishes\*



<sup>\*</sup>Coordinating wallplate included with Architectural matte controls.

#### **Dimmers**

# Slide-to-off dimmers/single-pole



- · Slide up to brighten; down to dim
- · Standard size dimmer shown
- Higher capacity loads require large controls, see below

#### Switches and fan controls

### Linear-slide switches



· Slide up to on; down to off

#### Preset dimmers/3-way



- · Slider button turns lights on/off
- · Slide up to brighten; down to dim
- Standard size dimmer shown
- Higher capacity loads require large controls, see below

#### Slide-to-off fan controls



- Slide up to on/increase speed; down to decrease speed/off
- Fully variable control for use with multiple ceiling paddle fans or exhaust fans
- Standard size fan control shown
- Higher capacity loads require large controls, see below

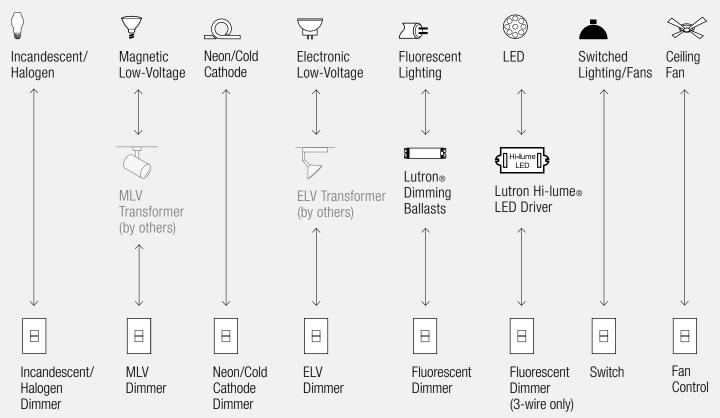


# Large control

- Higher capacity dimmers require larger heat sink behind wallplate
- Large controls available as preset dimmer, slide-to-off dimmer or fan control
- Large control measures 4.56 in x 4.56 in
- · Requires large wallplate
- Most can fit in a 1-gang electrical backbox

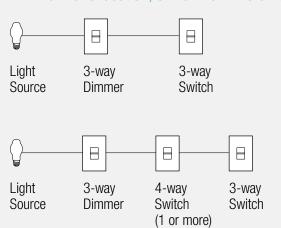
#### **Connections overview**

### Load connections\*



# **Control types** (for 2 or more locations)

Dim from one location, switch from the others



For more information on ballasts, visit **www.lutron.com/ballasts**. For more information on LED drivers, visit **www.lutron.com/LED**.

\*For illustration purposes only. Consult model number pages for specific voltage and capacity information.

#### **Dimmer model numbers**

# **Incandescent/halogen dimmers**

(small and large controls)

#### Slide-to-off dimmers

| Single-pole (small) | N-600- <b>AA</b> ²         |
|---------------------|----------------------------|
| 120V 600W           |                            |
| Single-pole (small) | N-1000- <u><b>AA</b></u> ² |
| 120V 1000W          |                            |
| Single-pole (large) | N-1500- <u><b>AA</b></u> ² |
| 120V 1500W          |                            |
| Single-pole (large) | N-2000- <b>AA</b> 2        |
| 120V 2000W          |                            |
|                     |                            |

120V 2000W

| Preset dimmers                          |                      |
|---|----------------------|
| 3-way/single-pole (small)<br>120V 600W  | N-603P- <b>AA</b> ²  |
| 3-way/single-pole (small)<br>120V 1000W | N-1003P- <b>AA</b> ² |
| 3-way/single-pole (large)<br>120V 1500W | N-1503P- <b>AA</b> ² |
| 3-way/single-pole (large)               | N-2003P- <b>AA</b> ² |

For 3-way and 4-way switching, use N-3PS-, N-4PS- or other mechanical switches.

# **▼** Magnetic low-voltage and/or

# Neon/cold cathode dimmers\*

(small and large controls)

#### Slide-to-off dimmers

| Single-pole (small) | NLV-600- <u><b>AA</b></u> ²  |
|---------------------|------------------------------|
| 120V 600VA (450W)   |                              |
| Single-pole (large) | NLV-1000- <u><b>AA</b></u> ² |
| 120V 1000VA (800W)  |                              |
| Single-pole (large) | NLV-1500- <u><b>AA</b></u> ² |
| 120V 1500VA (1200W) |                              |
|                     |                              |

For neon/cold cathode dimming, consult Lutron® Technical Support: Application note #25.

# **▼** Magnetic low-voltage dimmers

(small and large controls)

#### Preset dimmers

| 3-way/single-pole (small) | NLV-603P- <b>AA</b> ²  |
|---------------------------|------------------------|
| 120V 600VA (450W)         |                        |
| 3-way/single-pole (small) | NLV-1003P- <b>AA</b> ² |
| 120V 1000VA (800W)        |                        |
| 3-way/single-pole (large) | NLV-1503P- <b>AA</b> ² |
| 120V 1500VA (1200W)       |                        |
| 3-way/single-pole (large) | NLV-2003P- <b>AA</b> 2 |
| 120V 2000VA (1600W)       |                        |

For 3-way and 4-way switching, use N-3PS-, N-4PS- or other mechanical switches.

The stated VA (Volt-Ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (Watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

# Electronic low-voltage dimmer\*

(small control)

#### Slide-to-off dimmer

| Single-pole | NELV-450- <b>AA</b> ² |
|-------------|-----------------------|
| 120V 450W   |                       |

Only certain LED drivers are dimmable using an ELV dimmer, for more information visit www.lutron.com/LED.

**AA**<sup>2</sup>: Architectural matte color codes, see pg. 35 (1-gang wallplate included)

Custom ganging and derating applies, see pg. 170.

\*Requires neutral wire connection.

#### **Dimmer model numbers**

#### **Z** 3-wire fluorescent dimmers\*

(small and large controls)

#### Slide-to-off dimmers

| Single-pole (small) | NF-10- <b>AA</b> ²     |
|---------------------|------------------------|
| 120V 16A            |                        |
| Single-pole (large) | NF-10-277- <b>AA</b> ² |
| 277 V 8 A           |                        |

#### Preset dimmers

277V 6A

| 3-way/single-pole (small) | NF-103P- <b>AA</b> <sup>2</sup>     |
|---------------------------|-------------------------------------|
| 120V 8A                   |                                     |
| 3-way/single-pole (large) | NF-103P-277- <b>AA</b> <sup>2</sup> |

For use with Hi-lume, Hi-lume, Compact SE, Hi-lume, 3D, Eco-10, EcoSystem, ballasts.

Also compatible with Hi-lume® LED driver.

For 3-way and 4-way switching use N-3PS-, N-4PS- or other mechanical switches.

No derating required if ganged.

Adjustable low-end trim.

# 

(small controls)

#### Slide-to-off dimmer

| Single-pole               | NFTV- <b>AA</b> ² |
|---------------------------|-------------------|
| 30 mA max control current |                   |

Control provides dimming signal only. For dimming with on/off switching, **use with Lutron PowerPack**: PP-120H, PP-277H or PP-347H.

Consult ballast manufacturer for specific ballast current draw to determine maximum number of ballasts per control.

For information on using Lutron® dimmers to control: Advance Mark VII dimming ballasts, visit www.lutron.com/advance; Universal dimming ballasts, visit www.lutron.com/universal.

No derating required if ganged.

**AA**<sup>2</sup>: Architectural matte color codes, see pg. 35 (1-gang wallplate included)

#### **Tu-Wire**® fluorescent dimmer

(small control)

#### Slide-to-off dimmer

| Single-pole | NFTU-5A- <b>AA</b> ² |
|-------------|----------------------|
| 120V 5A     |                      |

Also compatible with Advance Mark X ballasts. For further information, visit

www.lutron.com/advance.

For information on use with Universal and OSRAM ballasts, contact Technical Support at 1.800.523.9466.

# Fluorescent dimmers with magnetic ballasts\* (small and large control)

#### Slide-to-off dimmers

| NF-10- <b>AA</b> ²     | Single-pole (small) |
|------------------------|---------------------|
|                        | 120V 10 lamps       |
| NF-20- <b>AA</b> ²     | Single-pole (large) |
|                        | 120V 20 lamps       |
| NF-30- <b>AA</b> ²     | Single-pole (large) |
|                        | 120V 30 lamps       |
| NF-10-277- <b>AA</b> ² | Single-pole (large) |
|                        | 277 V 10 lamps      |
| NF-20-277- <b>AA</b> ² | Single-pole (large) |
|                        | 277 V 20 lamps      |

For best fluorescent dimming performance and reliability, Lutron strongly recommends using Hi-lume, Hi-lume Compact SE, Eco-10, EcoSystem, TVE<sub>TM</sub> or Tu-Wire electronic dimming ballasts and appropriate controls.

For more information on Lutron ballasts, visit **www.lutron.com/ballasts**.

Custom ganging and derating applies, see pg. 170.

\*Requires neutral wire connection.

#### **Dimmer model numbers**

# **⊗ Hi-lume B LED drivers:**

#### 3-wire fluorescent dimmers\*

(small and large controls)

#### Slide-to-off dimmers

| Single-pole (small) | NF-10- <b>AA</b> ²     |
|---------------------|------------------------|
| 120V 16A            |                        |
| Single-pole (large) | NF-10-277- <b>AA</b> ² |
| 277V 8A             |                        |

#### Preset dimmers

277 V 6A

| 3-way/single-pole (small) | NF-103P- <b>AA</b> ²     |
|---------------------------|--------------------------|
| 120V 8A                   |                          |
| 3-way/single-pole (large) | NF-103P-277- <b>AA</b> 2 |

Exclusively compatible with Hi-Lume LED driver. For more information on Hi-lume LED drivers, visit www.lutron.com/HilumeLED.

For 3-way and 4-way switching use N-3PS-N-4PS- or other mechanical switches.

No derating required if ganged.

Adjustable low-end trim.

# **0-10V LED drivers:**

**0-10V dimmers** (current sink control)

(small controls)

#### Slide-to-off dimmers

| Single-pole               | NFTV- <b>AA</b> ² |
|---------------------------|-------------------|
| 30 mA max control current |                   |

Control provides dimming signal only. For dimming with on/off switching, **use with Lutron PowerPack**: PP-120H, PP-277H or PP-347H.

Consult ballast manufacturer for specific ballast current draw to determine maximum number of ballasts per control.

For compatible 0-10 V LED drivers by others, visit **www.lutron.com/LED**.

No derating required if ganged.

**AA**<sup>2</sup>: Architectural matte color codes, see pg. 35 (1-gang wallplate included)

#### Switch and fan control model numbers

#### Switches

(small controls)

### General purpose switches

| Single-pole  | N-1PS- <u><b>AA</b></u> ²  |
|--------------|----------------------------|
| 120/277V 20A |                            |
| Single-pole  | N-1PS-347- <b>AA</b> ²-CSA |
| 347V 20A     |                            |
| 3-way        | N-3PS- <b>AA</b> ²         |
| 120/277V 20A |                            |
| 3-way        | N-3PS-347- <b>AA</b> ²-CSA |
| 347V 20A     |                            |
| 4-way        | N-4PS- <b>AA</b> ²         |
| 120/277V 20A |                            |
|              | <u>.</u>                   |

No derating required if ganged.

#### **Fan controls**

(small and large controls)

### Slide-to-off fan controls—fully variable

| Single-pole fan control (small) | NFS-6E- <b>AA</b> 2  |
|---------------------------------|----------------------|
| 120V 6A                         |                      |
| Single-pole fan control (large) | NFS-12E- <b>AA</b> 2 |
| 120V 12A                        |                      |

No derating required if ganged.

Custom ganging and derating applies, see pg. 170.

\*Requires neutral wire connection.

#### **Accessories**

# **Multi-gang applications**

4.56 in (116 mm)



Shown actual size: Custom Architectural multi-gang Nova wallplate in White (WH).

Custom ganging and derating required for Nova controls, see pg. 170.

For information about Nova multi-gang wallplates, visit www.lutron/custommultigang.

.65 in (16.5 mm) profile including faceplate and base unit

## **Coordinated electrical devices**







For more information about coordinated Architectural electrical devices, see pg. 156.