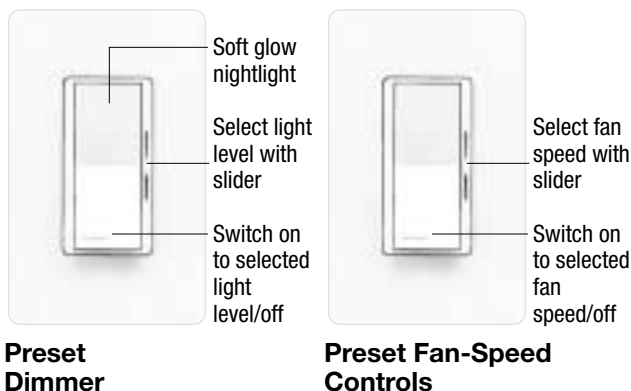


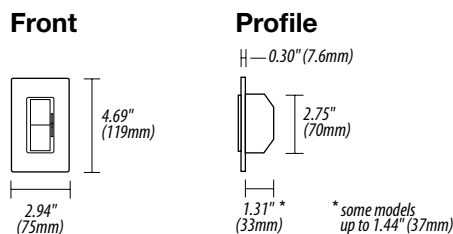
Now the Diva family comes in a matte finish with 17 new colors to match any decor.



PRODUCT FAMILY FEATURES

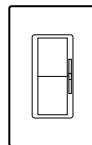
- Features a large paddle switch and captive linear-slide dimmer for a standard designer wallplate opening
- Full family of products for most lighting sources
- Dimmers feature built-in soft-glow nightlight
- Uses standard single-pole and 3-way wiring for easy installation in any home
- For more Diva choices, see Diva with a gloss finish

DIMENSIONS



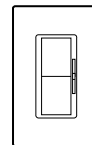
CONTROLS AND ACCESSORIES

Preset Dimmers



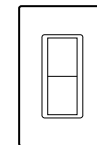
15A
Receptacles

Fan-Speed Controls

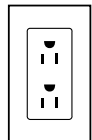


15A
GFCI Receptacles

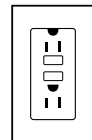
Switches



Receptacles

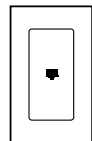


15A
Receptacles

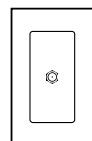


15A
GFCI Receptacles

Telephone/Cable TV Jacks

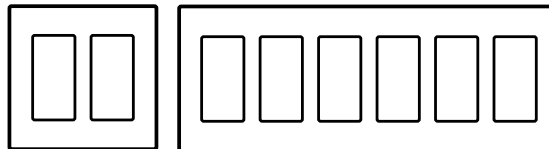


Single
Telephone Jack



Cable TV
Jack

Standard Multigang Wallplates



Two-gang to 6-gang wallplates

SPECIFICATION SERIES STANDARD FEATURES




- Square Law Dimming
 - Power-failure memory
 - Electrostatic discharge tested
 - Mechanical air-gap switch to disconnect load power
 - RFI suppression
 - Captive linear slider
 - Precise color matching
- Lutron controls are rated at 120VAC, 60Hz unless otherwise noted.

JOB NAME	AREA CONTROLLED
LOCATION	JOB NUMBER
TITLE	PAGE NO.

Description	Maximum Capacity ¹	Model #
-------------	-------------------------------	---------


DIMMERS

Incandescent

 <i>Preset Dimmers with Nightlight</i>		
Single pole	600W	DVSC-600P-
Single pole	1000W	DVSC-10P-
3-way	600W	DVSC-603P-
3-way	1000W	DVSC-103P-


Note: The nightlight is visible best on the lighter colors. For 3-way and 4-way switching, use with Satin Colors switches (SC-3PS- or SC-4PS-), or other mechanical switches.

Electronic Low Voltage

 <i>Preset Dimmers with Nightlight</i>		
Single pole	300W	DVSC-300P-
3-way	300W	DVSC-303P-


Note: Requires neutral wire connection. The nightlight is visible best on the lighter colors. For 3-way and 4-way switching, use with Satin Colors switches (SC-3PS- or SC-4PS-), or other mechanical switches.

Magnetic Low Voltage

 <i>Preset Dimmers with Nightlight</i>		
Single pole	600VA (450W ²)	DVSC-600P-
Single pole	1000VA (800W ²)	DVSC-10P-
3-way	600VA (450W ²)	DVSC-603P-
3-way	1000VA (800W ²)	DVSC-103P-


Note: The nightlight is visible best on the lighter colors. For 3-way and 4-way switching, use with Satin Colors switches (SC-3PS- or SC-4PS-), or other mechanical switches.

Fluorescent Dimming with Hi-lume[®] and Eco-10[™] (ECO-Series) Electronic Ballasts

 <i>Preset Dimmers with Nightlight</i> ³		
Single pole/ 3-way	8A	DVSCF-103P-
Single pole/ 3-way, 277V	6A	DVSCF-103P-277

Note: Use with Lutron Hi-lume or Eco-10 (ECO-Series) line voltage control Electronic Dimming Ballasts only. Requires neutral wire connection. The nightlight is visible best on the lighter colors. For 3-way and 4-way switching, use with Satin Colors switches (SC-3PS- or SC-4PS-), or other mechanical switches.

Fluorescent Dimming with Tu-Wire[®] Electronic Ballasts

 <i>Preset Dimmers with Nightlight</i>		
Single pole/ 3-way	5A	DVSCFTU-5A3P-

Note: Use with Lutron Tu-Wire line voltage control electronic dimming ballasts only. The nightlight is visible best on the lighter colors. For 3-way and 4-way switching, use with Satin Colors switches (SC-3PS- or SC-4PS-), or other mechanical switches.


Description	Maximum Capacity ¹	Model #
-------------	-------------------------------	---------

HI-POWER 2•4•6[™] DIMMING MODULES

To increase load capacity up to 30,000W/VA in most popular sources, use one DVSC-600P- or DVSC-603P- and add up to five dimming modules. Cannot be used with 0-10VDC ballast.

FAN-SPEED CONTROLS


Quiet Controls

 For use with one ceiling paddle fan. <i>Preset Fan-Speed Controls</i> ³		
Single pole/ 3-way,	1.5A	DVSCFSQ-F-
3-speed		

Note: Does not have soft-glow nightlight. For 3-way and 4-way switching, use with Satin Colors switches (SC-3PS- or SC-4PS-), or other mechanical switches.


SWITCHES ³


General Purpose Switching of all Sources and Motor Loads

	Single pole, 120/277V	15A	SC-1PS-
	3-way, 120/277V	15A	SC-3PS-
	4-way, 120/277V	15A	SC-4PS-

ACCESSORIES


Receptacles

 <i>Receptacle</i> ³		
	15A, 125V	SCR-15-


 <i>GFCI Receptacle</i> ³		
	15A, 125V	SCR-15-GFCI-

Telephone and Cable Television Jacks

A physical barrier (partition) must exist when ganging with line-voltage products

 <i>Single Telephone Jack</i> ⁴		
6-conductor, RJ11		SC-PJ-

Note: Also accepts most 4-conductor plugs.

 <i>Cable TV Jack</i> ^{3,4}		
F-STYLE		
75-Ohm, coaxial cable jack		SC-CJ-



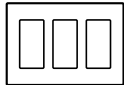
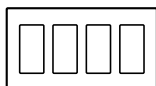
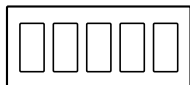
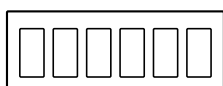
¹ For capacities in multigang installations see derating pg. 3.

² Actual lamp wattages.

³ No derating required if ganged.

⁴ A physical barrier (partition) must exist when ganging with line-voltage products.

STANDARD WALLPLATES

Description	Model #
 1-Gang 2.94"W (75mm) x 4.69" H(119mm) x 0.30"D (7.6mm) SC-1-	
 2-Gang 4.75"W (121mm) x 4.69" H(119mm) x 0.30"D (7.6mm) SC-2-	
 3-Gang 6.56"W (167mm) x 4.69" H(119mm) x 0.30"D (7.6mm) SC-3-	
 4-Gang 8.37"W (213mm) x 4.69" H(119mm) x 0.30"D (7.6mm) SC-4-	
 5-Gang 10.18"W (259mm) x 4.69" H(119mm) x 0.30"D (7.6mm) SC-5-	
 6-Gang 12.00"W (305mm) x 4.69" H(119mm) x 0.30"D (7.6mm) SC-6-	

STANDARD COLORS/FINISHES

Matte Finishes (Ships in 3-5 days)

Add color/finish suffix to model number to order.
 Example: DVSC-600P-**WH**

CLASSICO SERIES

SW Snow
 MN Midnight
 BI Biscuit
 ES Eggshell
 TP Taupe

PIEDRA SERIES

ST Stone
 TC Terracotta
 LS Limestone
 DS Desert Stone



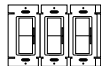
LUSTRA SERIES

SGS Sea Glass
 SV Silver
 WG White Gold
 IB Ice Blue

VIBRATO SERIES

OC Ochre
 HT Hot
 LL Lilac
 KW Kiwi

DERATING/MAXIMUM CAPACITY

 No side sections removed (Full Capacity)	 One side section removed (End Units)	 Two side sections removed (Middle Unit)
Incandescent Dimmers		
600W 1000W	500W 800W	400W 650W
Electronic Low Voltage ¹		
300W	250W	200W
Magnetic Low Voltage		
600VA (450W ²)	500VA (375W ²)	400VA (300W ²)
1000VA (800W ²)	800VA (650W ²)	650VA (500W ²)
Fluorescent		
Hi-lume/Eco-10 (ECO-Series)	20ballasts/8A	No derating required
Tu-Wire ³	5A	4A
		3.3A
Fan-Speed Controls		
1.5A	No derating required	

¹ Requires 40W minimum load.

² Actual lamp wattage.

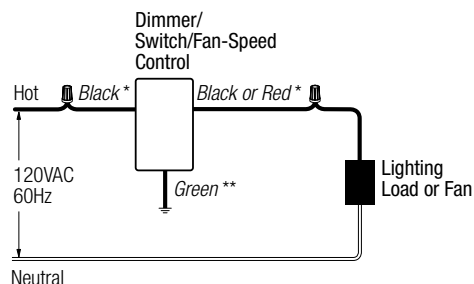
³ Minimum capacity: 2 ballasts/0.25A

WIRING DIAGRAMS

Wiring Diagram 1
Single-Pole Wiring

Model #

DVSC-600P-
DVSC-10P-
DVSCLV-600P-
DVSCLV-10P-
SC-1PS-



Ground

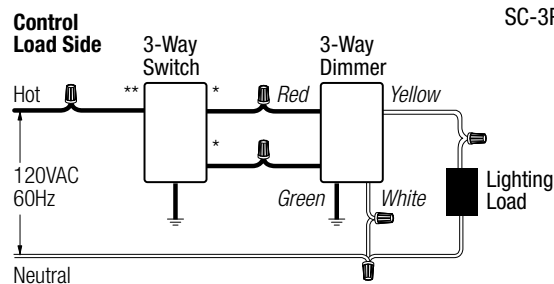
Wire Connectors

* or Brass screw terminal
** or Green screw terminal

Wiring Diagram 4
3-Way Wiring

Model #

DVSCSELV-303P-
SC-3PS-



Ground

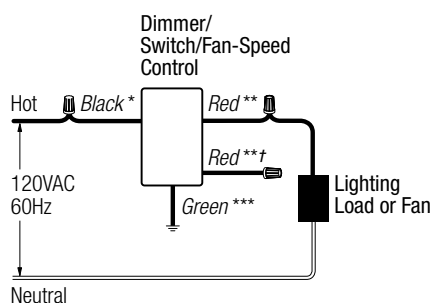
Wire Connectors

* or Copper/Black screw terminal
** or Brass/Gold screw terminal

Wiring Diagram 2
Single-Pole Wiring of 3-Way Control

Model #

DVSCFSQ-F-
DVSCLV-103P-
DVSCLV-603P-
DVSC-103P-
DVSC-603P-



Ground

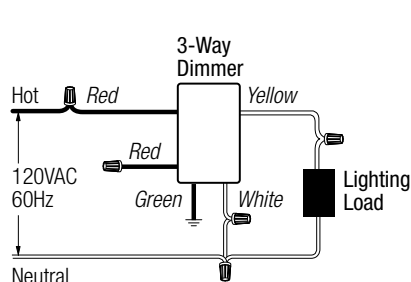
Wire Connectors

* or Copper/Black screw terminal
** or Brass screw terminal
*** or Green screw terminal
† or Red/White stripe (cap off)

Wiring Diagram 5
3-Way Used as Single Pole

Model #

DVSCSELV-303P-



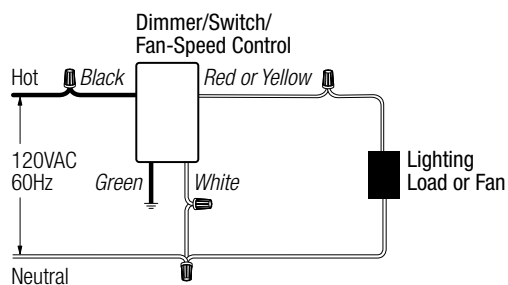
Ground

Wire Connectors

Wiring Diagram 3
Single-Pole Wiring

Model #

DVSCSELV-300P-

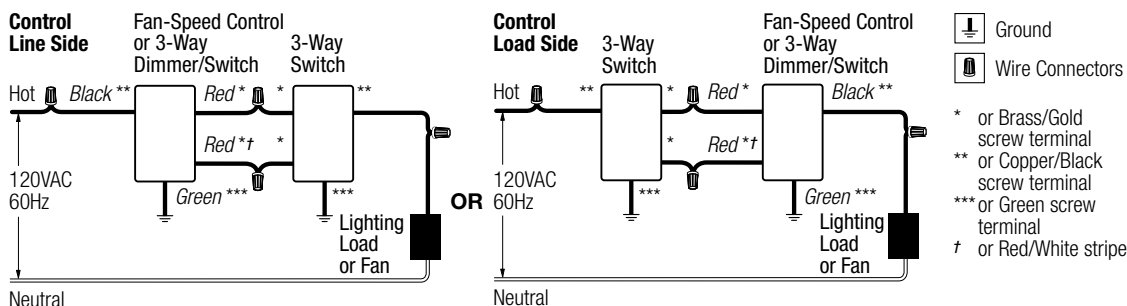


Ground

Wire Connectors

WIRING DIAGRAMS

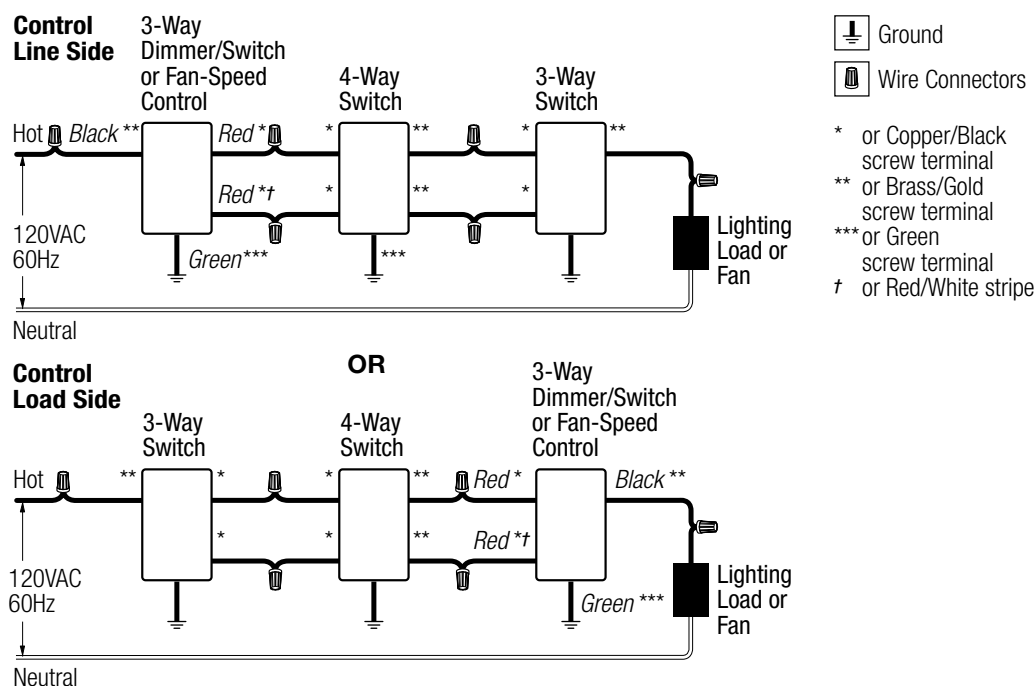
Wiring Diagram 6
3-Way Wiring



Model #

DVSC-603P-
DVSC-103P-
DVSCLV-603P-
DVSCLV-103P-
DVSCFSQ-F-
SC-3PS-

Wiring Diagram 7
4-Way Wiring



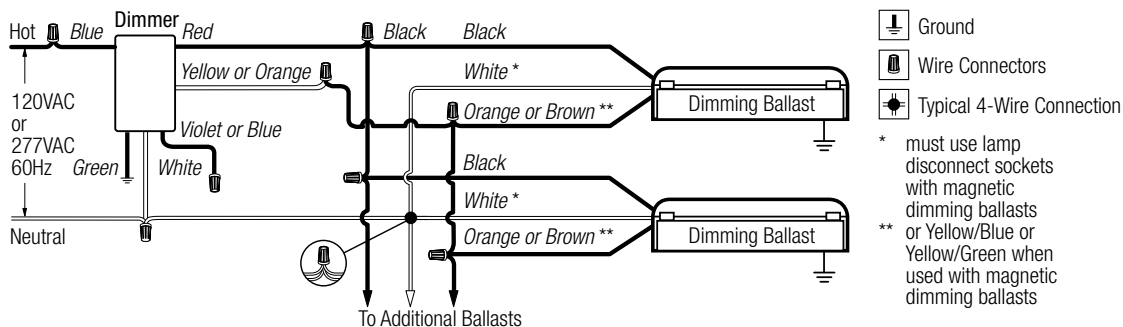
Model #

DVSC-603P-
DVSC-103P-
DVSCLV-603P-
DVSCLV-103P-
DVSCFSQ-F-
SC-3PS-
SC-4-PS-

WIRING DIAGRAMS

Wiring Diagram 8
Single-Pole Wiring of a 3-Way Control

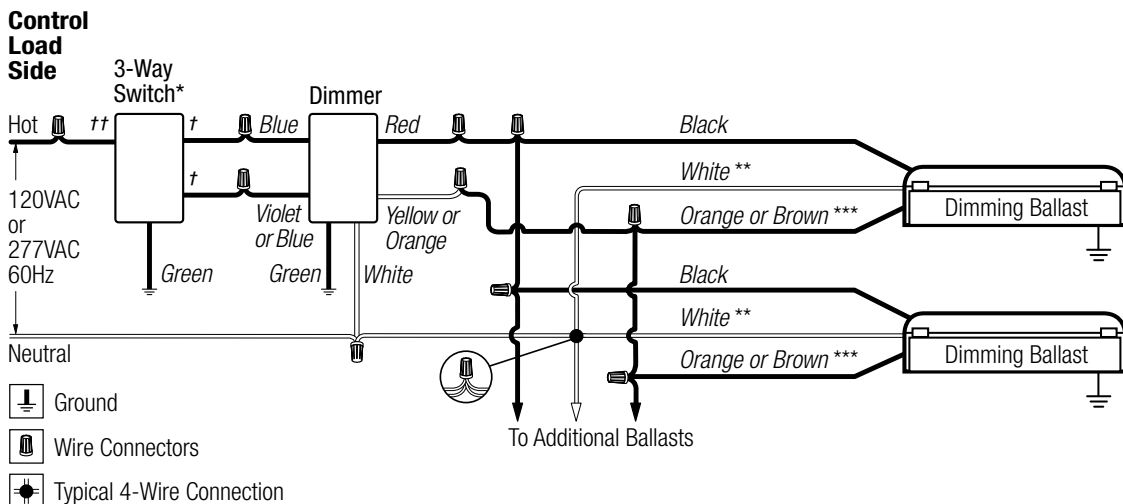
Model #



DVSCF-103P-
DVSCF-103P-277

Wiring Diagram 9
3-Way Wiring

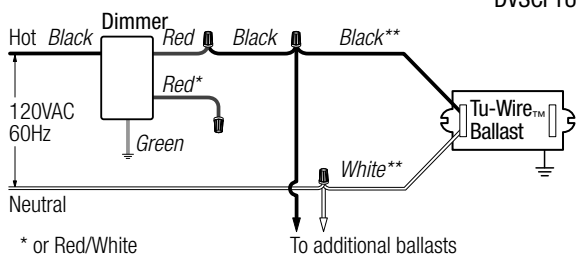
Model #



DVSCF-103P-
DVSCF-103P-277
SC-3PS-

Wiring Diagram 10
Single-Pole Wiring

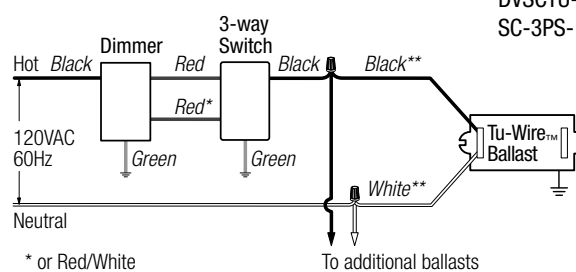
Model #



DVSCFTU-5A3P-

Wiring Diagram 11
3-Way Wiring

Model #

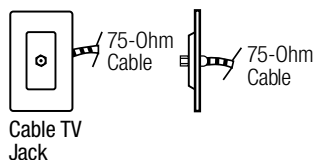


DVSCFTU-5A3P-
SC-3PS-

WIRING DIAGRAMS

Wiring Diagram 12 Cable TV Jack Wiring

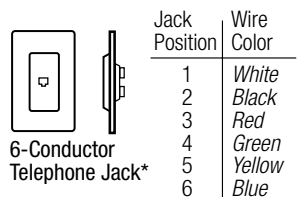
Model #



SC-CJ-

Wiring Diagram 13 Telephone Jack Wiring

Model #

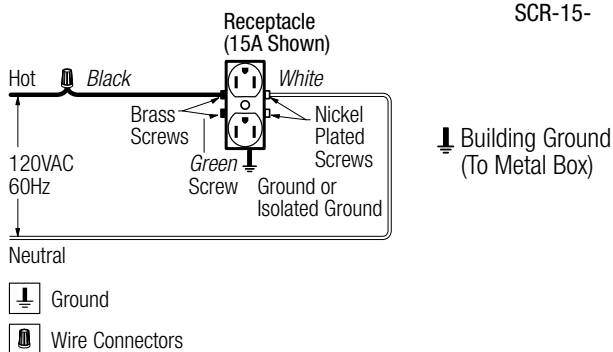


SC-PJ-

*accepts most 4-conductor jacks.

Wiring Diagram 14 Receptacle Wiring

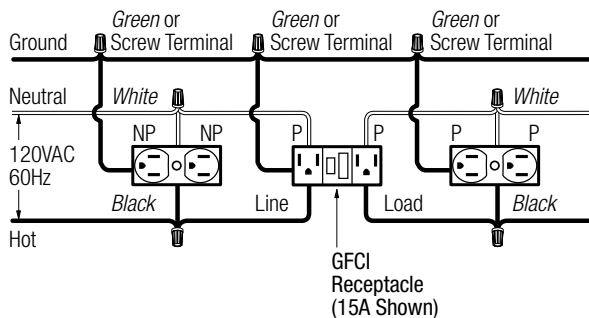
Model #



SCR-15-

Wiring Diagram 15 GFCI Receptacle Wiring

Model #



SCR-15-GFCI-

P-Protected
NP-Not Protected

Wire Connectors

DIVA SATIN COLORS CONTROLS AND ACCESSORIES

PART 1 – GENERAL

1.01 SUMMARY

- A. Scope: Provide, install and test all switches, dimmers and related devices as specified herein for the areas indicated on the drawings, specifications, and load schedules.
- B. Related Sections: Section 16580 (Ballasts), Section 16570 (Dimming Systems).

1.02 REFERENCES

- A. UL 20, UL 1472, CSA, NOM, ISO 9001

1.03 SYSTEM DESCRIPTION AND OPERATION

- A. Permanently installed, wallbox mounted switches and dimmers
- B. Permanently installed, wallbox mounted fan-speed controls
- C. Permanently installed, wallbox mounted receptacles
- D. Permanently installed, wallbox mounted data, voice and cable jacks
- E. Screwless, seamless wallplates

1.04 SUBMITTALS

- A. Submit manufacturer's standard catalog data giving all application, wiring, and installation information on basic components and wallplate kits. Provide test data and/or samples as required to demonstrate conformance with PART 2 of this specification.

1.05 QUALITY ASSURANCE

- A. Manufacturer shall have a minimum of 10 years continuous experience in manufacturing wallbox dimming products.
- B. Dimmers, switches and Fan-speed controls shall be UL listed, CSA and NOM approved specifically for each required load (i.e., tungsten, electronic and magnetic low-voltage transformer and fluorescent). Manufacturer shall provide file card or certificate upon request. Universal load-type dimmers shall not be acceptable.
- C. Manufacturer shall maintain ISO 9001 certification and provide a copy of the certificate upon request.

1.06 WARRANTY

- A. All devices shall be covered by a minimum one-year warranty.

PART 2 – EQUIPMENT

2.01 ACCEPTABLE MANUFACTURERS

- A. Lutron Electronics Co., Inc.
- B. Unless otherwise noted, all basic components (dimmer, fan-speed control, switch, receptacle, telephone jack and cable TV jack) and wallplate kits shall be provided by one manufacturer.

2.02 EQUIPMENT

- A. Controls Lutron Diva Satin Colors Style
 - 1. Performance
 - a. Dimmers shall provide full-range, continuously variable control of light intensity.
 - b. Controls shall fit a decorator wallplate opening with a paddle switch aesthetically compatible to other decorator-style, mechanical switches used in the building. Controls shall have a small, and discrete slider, located to the right of the paddle switch. The paddle switch shall act as a preset, turning the control on to the level set by the slider, or off. Controls shall have a matte finish.
 - c. When on, the slider shall change the light level/fan speed. When off, the slider shall preselect the light level/fan speed that the control will turn on to. Paddle switch shall turn lights/fan on to the preselected level, or off.

- d. Paddle switch and slider shall be captured internal to the control.
 - e. 3-Way controls shall be capable of multi-location on and mechanical air-gap off using standard 3-way and 4-way switches. Multi-location switches shall be Satin Colors decorator style with a matte finish.
 - f. Dimmer shall be backlit with soft glow locator light.
 - g. Within rated capacity, dimmers shall be available for direct control of incandescent, magnetic low-voltage, electronic low-voltage, and fluorescent. Matching fan-speed controls shall also be available.
 - h. Controls shall be capable of operating at the rated capacity; this includes modified capacities for ganging configurations which require the removal of fins. Operation at rated capacity shall be possible across the full ambient temperature range, without shortening design lifetime.
 - i. Color variation of any matte finish control shall not exceed a change in E of 1, CIE L*a*b* color units.
 - j. Dimmer shall provide smooth and continuous Square Law dimming curve, for the full slider travel, on their rated load per The IESNA Lighting Handbook, 9th edition, p. 27-4.
 - k. Controls shall meet the applicable requirements of UL 20 and UL 1472 referring to the inclusion of a visible, accessible air-gap off switch and the limited short circuit test.
 - l. Controls shall meet ANSI/IEEE Std. C62.41-1980, tested to withstand voltage surges of up to 6000V and current surges of up to 200A without damage.
 - m. Dimmers shall be designed to reduce interference with radio, audio, and video equipment.
 - n. Controls shall incorporate power-failure memory. Should power be interrupted and subsequently returned, the lights or fans will come back on to the same levels set prior to the power interruption. Restoration to some other default level is not acceptable.
 - o. Controls shall not be susceptible to damage or loss of memory due to static discharge.
 - p. Controls shall operate in an ambient temperature range of 0°C (32°F) to 40°C (104°F).
 - q. 3-Way controls shall wire using conventional 3-way and 4-way wire runs.
 - r. Contractors shall install all backboxes with a minimum wallbox depth of 2.5 inches.
- 2. Incandescent Dimmers
 - a. Provide single-pole and 3-way incandescent dimmers in 600 Watts and 1000 Watts capacities.
 - b. Dimmer shall operate in either 3-way switch location.
 - 3. Electronic (Solid-State) Low-Voltage (ELV) Transformer Dimmers
 - a. Provide ELV dimmers for direct control of up to 300 watts of electronic low-voltage load.
 - b. Dimmers shall contain circuitry specifically designed to control the input of electronic (solid state) low-voltage transformers. Dimmers using standard phase control shall not be acceptable.
 - c. Dimmers shall have a resettable overload protection that automatically shuts off when dimmer capacity is exceeded. Protection methods that are non-resettable or require the device to be removed from the wall shall not be acceptable.
 - d. Dimmers shall be designed to withstand a short, per UL 1472 section 5.10, between load hot and either neutral or ground without damage to the dimmer.
 - e. Dimmers shall have a high-end of no less than 90% of line voltage.

4. Magnetic Low-Voltage (MLV) Transformer Dimmers
 - a. Provide MLV dimmers for direct control of up to 1000 volt amps of electronic low-voltage load.
 - b. Dimmers shall contain circuitry specifically designed to control and provide a symmetrical AC waveform to the input of magnetic low-voltage transformers per UL1472 section 5.11.
 - c. Dimmers shall not cause a magnetic low-voltage transformer to operate above the transformers rated operating current or temperature.
 - d. Dimmer shall be capable of operating in either 3-way switch location.
5. Fluorescent Dimming Ballast Dimmers
 - a. Provide Fluorescent dimmers for direct control of fluorescent dimming ballasts up to the manufacturers specified rating.
 - b. Dimmers shall be designed to operate the following ballasts. Dimmers and ballasts shall be produced by the same manufacturer to ensure proper ballast/control compatibility:
 - 1) Hi-lume[®] Architectural Dimming Ballasts (1% 3-wire)
 - 2) Hi-lume[®] Compact[™] Lamp Dimming Ballasts (5% 3-wire)
 - 3) Eco-10[™] Lighting Management Dimming Ballasts (10% 3-wire)
 - 4) Tu-Wire[™] High Performance Dimming Ballasts (5% 2-wire)
6. Remote dimming modules for high power loads
 - a. Where lighting loads exceed the full rated capacity of single dimmers, provide a Diva Satin Colors incandescent dimmer driving high power modules. High power module and dimmer shall be from the same manufacturer to ensure compatibility.
 - b. High power modules shall be remotely mounted.
 - c. High power module shall be rated and UL listed for control of incandescent, magnetic low-voltage, electronic low-voltage, fluorescent, and neon/cold cathode loads in increments of 2,000 Watts up to 30,000 Watts.
7. Fan-Speed Controls:
 - a. Fan-speed controls shall be UL Listed, CSA and NOM approved, Lutron Diva Satin Colors style.
 - b. Quiet fan-speed model shall provide three speed settings with paddle providing preset on and off.
 - c. Quiet fan-speed control shall provide single-pole/3-way control of one paddle fan (1.5A max.).
- B. Accessories Lutron Satin Colors Style
 1. Switch Components Lutron Satin Colors Style
 - a. Switches shall provide on/off control of any 120/277 VAC load up to 15A. Switches shall be UL Listed as general-use AC switches, Lutron Satin Colors style.
 - b. Switches shall be available in single-pole, 3-way and 4-way configurations.
 2. Receptacle Components Lutron Satin Colors Style
 - a. All receptacles shall be UL Listed, CSA and NOM approved.
 - b. Receptacles shall be two pole, three wire ground and rated for 15A at 125VAC. All receptacles shall be NEMA configuration type 5-15R.
 - c. Ground-fault interrupter receptacles shall be Lutron Satin Colors style with two-pole, three-wire ground and rated 15A at 125VAC. Configuration shall be of the duplex type with rectangular NEMA WD-6 design. Receptacles shall have a 5 milliampere ground-fault trip level with "test" and "reset" buttons.
3. a. Contractor shall provide an appropriate barrier (partition) to isolate jack from high-voltage wiring when ganged with a dimmer, fan-speed control, switch, or receptacle. This complies with NEC Articles 800-3 and 820-13.
 - b. Telephone jack shall be designed to mate with standard 4- or 6-conductor modular jacks, and be compatible with 2, 4, or 6 conductor lines. Telephone jacks shall meet FCC Part 68, paragraph F standards to ensure compatibility with U.S. telephone systems.
 - c. Cable TV jacks shall be the coaxial type, designed for use with standard 75-Ohm cables.
- C. Wallplates Lutron Satin Colors Style
 1. Wallplates shall be manufactured from durable polycarbonate plastic with satin finish, and shall attach to the basic components without using exposed hardware or screws.
 2. Multigang wallplates shall provide a continuous, seamless cover for up to six-ganged decorator-style control and accessory combinations with no exposed hardware or screws.
 3. Multigang wallplates shall include an adapter plate for proper device alignment and wallplate attachment.
 4. Control, accessory and wallplate profiles shall not exceed .30 inches from wall surface to faceplate front surface.
 5. Color variation of any satin finish control or wallplate shall not exceed a change in E of 1, CIE L*a*b* color units.
 6. Visible parts of dimmers, switches, standard receptacles, cable jacks or any wallplate shall exhibit ultraviolet stability when tested with multiple actinic light sources as defined in ASTM D4674-89.

2.03 SOURCE QUALITY CONTROL

- A. All dimming controls shall be 100% function tested at the time of manufacture. Statistical sampling plan shall not be acceptable.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Contractor shall furnish all devices (dimmers, accessories, & wallplate kits), labor and other services necessary for the proper installation of the devices as indicated on the drawings and specified herein.
- B. Contractor shall be responsible for derating dimmer capacity if side sections are removed.
- C. Contractor shall run separate neutral wires in 120/208 VAC installations.
- D. Devices shall be installed utilizing manufacturer's recommended application, wiring and installation instructions.
- E. Contractor to provide seamless wallplate covers per specification 2.02 for all devices ganged in a common box. Contractor shall provide barriers within the box where required by code.

3.02 FIELD QUALITY CONTROL

- A. Twenty-four hours a day, seven days a week, global customer service and technical hotline available.
- B. Supplemental information shall be provided by manufacturers Internet site.