

# Solace

## 3" Shallow Square Lens Wall Wash



PROJECT:

TYPE:

### Features

Solace 3" Downlights are the complete downlight family for any ceiling surface and low plenum ceiling. Round or Square apertures, available as downlight, adjustable or wallwash. Optional Solite lensing provides whisper quiet aesthetics. The trim options available as trimmed, trimless or millwork. The pinhole and shower pinhole trim makes this a complete a downlight to design the entire space with the same look.



SOL-SLW



SOL-SLW-TL  
(trimless)

### Product Overview

Type: Shallow Square Lens Wall Wash  
Wattage: 8W, 12W, 17W  
Color Temp: 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. or 90+ typ.  
3K Class A available  
Dimming: TRIAC & ELV, 5% Dim, 120/277VAC  
0-10V, 1% Dim, 120/277VAC  
Lutron Hi-lume® EcoSystem Premier, 0.1% dim with soft on & fade to black, 120/277VAC (*Consult factory for Lutron lead time*)

### Certifications



### Fixture Summary

#### Fixture Type

| Round/Square | New Construction | Trim | Trimless | Millwork |
|--------------|------------------|------|----------|----------|
| Yes          | Yes              | Yes  | Yes      | Yes      |

See separate spec sheet for Round trim.

#### Performance Data (see page 5 for full breakdown)

| Watts | Delivered Lumens | LPW | CBCP | Color Temp-CRI |
|-------|------------------|-----|------|----------------|
| 8     | 573              | 68  | 318  | 3000K-83       |
| 12    | 844              | 68  | 468  | 3000K-83       |
| 17    | 1082             | 64  | 602  | 3000K-83       |

Data is based on 3000K-83 120V IES files available on website.

#### Electrical Data

|         | 8W           |       | 12W          |       | 17W          |       |
|---------|--------------|-------|--------------|-------|--------------|-------|
| Voltage | System Watts | Amps  | System Watts | Amps  | System Watts | Amps  |
| 120V    | 8            | 0.067 | 12           | 0.10  | 17           | 0.142 |
| 277V    | 8            | 0.029 | 12           | 0.043 | 17           | 0.061 |

Electronic constant current LED driver.

PROJECT:

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### Ordering Information - Housing/Frame

| 120/277                                                                                |                                               |   |   |                                                                  |                     |                                                                     |
|----------------------------------------------------------------------------------------|-----------------------------------------------|---|---|------------------------------------------------------------------|---------------------|---------------------------------------------------------------------|
| 1                                                                                      | 2                                             | 3 | 4 | 5                                                                | 6                   | 7                                                                   |
| 1                                                                                      | Model                                         |   |   | 2                                                                | Style               |                                                                     |
| SOL-SLW-NC (New Construction & Insulated Ceiling (IC rated))                           |                                               |   |   | T trimmed (2" max ceiling thickness)                             |                     | 3                                                                   |
| SOL-SLW-CP (Chicago Plenum (CCEA) housing)                                             |                                               |   |   | TL trimless (5/8" max ceiling thickness)                         |                     |                                                                     |
| SOL-SLW-IC (Insulated Ceiling (IC)/air tight)                                          |                                               |   |   | MWK millwork (for 1/2" - 11/16" ceiling thickness)               |                     |                                                                     |
|                                                                                        |                                               |   |   | MWK1 millwork (for 3/4" - 1-1/2" ceiling thickness)              |                     |                                                                     |
|                                                                                        |                                               |   |   | MWK2 millwork (for 1-1/2" - 2" ceiling thickness)                |                     | Wattage                                                             |
|                                                                                        |                                               |   |   |                                                                  |                     | 8 (573 lm)                                                          |
|                                                                                        |                                               |   |   |                                                                  |                     | 12 (844 lm)                                                         |
|                                                                                        |                                               |   |   |                                                                  |                     | 17 (1082 lm)                                                        |
|                                                                                        |                                               |   |   |                                                                  |                     | (Lumen data based on 3000K-83. See pg 5 for other performance data) |
| 4                                                                                      | Voltage                                       |   |   | 5                                                                | Color Temp          |                                                                     |
| 120/277 (universal voltage)                                                            |                                               |   |   | 83 CRI                                                           |                     | 90+ CRI <sup>T24</sup>                                              |
|                                                                                        |                                               |   |   | 27 2700K-83                                                      |                     | 279 2700K-90+ 3CLA* 3000K Class A                                   |
|                                                                                        |                                               |   |   | 30 3000K-83                                                      |                     | 309 3000K-90+                                                       |
|                                                                                        |                                               |   |   | 35 3500K-83                                                      |                     | 359 3500K-90+                                                       |
|                                                                                        |                                               |   |   | 40* 4000K-83                                                     |                     | 409* 4000K-90+                                                      |
|                                                                                        |                                               |   |   | * Consult factory for lead time.                                 |                     |                                                                     |
| 6                                                                                      | Driver (for non-dimming, select LE/TE option) |   |   | 7                                                                | Options/Accessories |                                                                     |
| LE/TE <sup>T24</sup> TRIAC/ELV dimming                                                 |                                               |   |   | HB49 - hanger bars from min 29" to max 49"                       |                     |                                                                     |
| O-10V <sup>T24</sup> 0-10V dimming, 1% dim                                             |                                               |   |   | (26" hanger bars included as default options)                    |                     |                                                                     |
| HILUME-P-ECO - Lutron Hi-lume® EcoSystem Premier 0.1% dim with soft on & fade to black |                                               |   |   | Note: 26" hanger bars are included as standard.                  |                     |                                                                     |
| (Consult factory for Lutron lead time)                                                 |                                               |   |   | Choose <b>HB49</b> option above for larger mounting spaces only. |                     |                                                                     |

### Ordering Information - Trim

| SOL-SLW                                      |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                            | 2                                                                                                                                                                 | 3                                                                                                                                                                                                                                                                                                                                                       |
| <b>1 Model</b><br><b>SOL-SLW</b> (wall wash) | <b>2 Style</b><br><b>T</b> trimmed<br><b>TL</b> trimless (not available for use with shower trim)<br><b>MWK</b> millwork (not available for use with shower trim) | <b>3 Finish</b><br><u>Trimmed</u><br><b>MBW</b> matte black, white flange<br><b>MWW</b> matte white, white flange<br><b>SLVW</b> matte silver, white flange<br><b>MBB</b> matte black, black flange<br><b>SLVS</b> matte silver, silver flange<br><u>Trimless/Millwork</u><br><b>MB</b> matte black<br><b>MW</b> matte white<br><b>SLV</b> matte silver |

PROJECT:

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### Specifications

#### Application

Retail and commercial wall wash lighting

#### Housing Construction

20 ga. steel painted matte black  
Extruded aluminum heatsink  
Formed aperture plate with 5/8" lip (GB-standard)  
Cast aluminum plaster frame with perforated face (for trimless option)  
Integral adjustable locking mounting bars  
Inherently protected

#### Reflector Trim Construction

Die-cast reflector  
Injection molded optic lens

#### LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. or 90+ typ.  
Class A\*\* 3000K (high gamut) available  
R9 Values: 11 (83 CRI), 55 (92 CRI)  
Binning: 3 MacAdam (SDCM)  
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs  
\* Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.

#### Electrical

Wattage: 8W, 12W, 17W  
Electronic constant current LED driver, 120/277VAC input  
**This product complies with IEEE C62.41 for surge endurance up to 2.5KV.**  
**Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.**  
Emergency option available through circuiting/inverter only

#### Drivers

**LE/TE** - Leading Edge (Triac, Forward Phase) or Trailing Edge (ELV, Reverse Phase)  
0-10V and Lutron systems also available  
See pages 7-8 for more dimming information

#### Finish (Trim)

Powder coat paint

#### Mounting

26" Hanger bars included. Side brackets allow for rigid conduit pipe mounting along with additional 1/2" adjustment of housing vertical position  
Optional **HB49** - hanger bars from min 29" to max 49" available  
Trimmed Fixture:  
For use in grid or sheetrock ceilings, 5/8" - 2" standard  
Trimless Fixture (not available with Shower trim):  
For use in sheetrock ceilings, max ceiling thickness 5/8"  
For sheetrock ceilings beyond 5/8" consult factory  
Millwork Fixture:  
Millwork extension collars are based on ceiling material specifications and thickness. Provides flush trim appearance level with ceiling material. Max thickness 2"

#### Certifications

CSA damp as tested to UL 1598 standards  
IC/AT rated

#### Warranty

5 year limited warranty

#### Weight

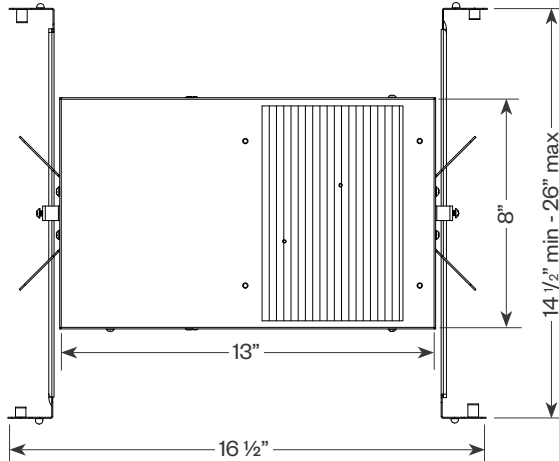
Housing and trim - 5 lbs.

PROJECT:

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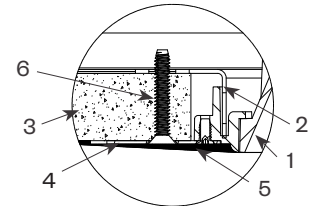
### Product Details

#### Solace Square Lens Wall Wash



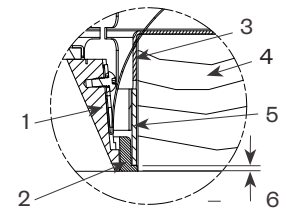
#### Plaster Frame Installation Detail (for trimless fixture only)

1. Reflector Trim
2. Aperture Plate
3. Ceiling 5/8"
4. Cast Aluminum Plaster Frame
5. Plaster Skim Coat (by others)
6. 6-32 Type F Thread Cutting Screw



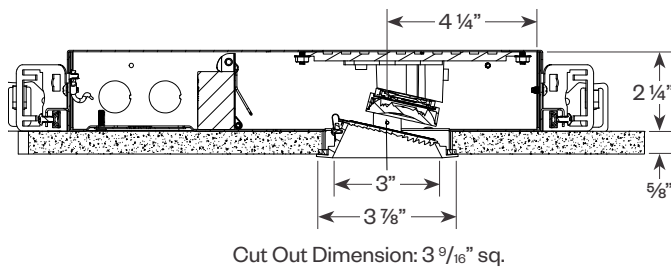
#### Millwork Detail

1. Reflector Trim
2. Millwork Ring
3. Aperture Plate
4. Wood Ceiling 2" Max
5. Extension collar (see ordering information for ceiling thicknesses)
6. 1/16" required for trim to be flush with ceiling

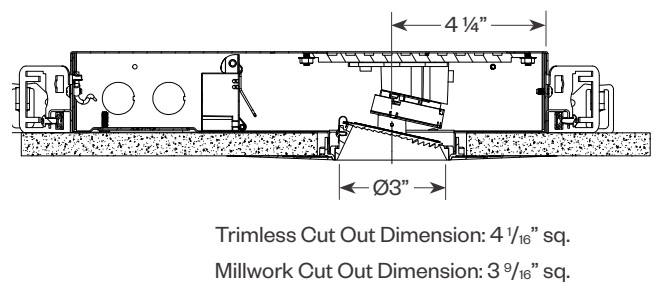


#### Square Lens Wall Wash

##### Trimmed



##### Trimless & Millwork



PROJECT:

TYPE:

### Solace Round Lens Wall Wash Performance Breakdown

| Wattage | Color Temp. | Wall Wash |     |
|---------|-------------|-----------|-----|
|         |             | Lumens    | LPW |
| 8W      | 27          | 562       | 67  |
|         | 30          | 573       | 68  |
|         | 35          | 585       | 70  |
|         | 40          | 602       | 72  |
|         | 279         | 482       | 57  |
|         | 309         | 499       | 59  |
|         | 359         | 516       | 61  |
|         | 409         | 516       | 61  |
|         | 3CLA        | 401       | 48  |
| 12W     | 27          | 827       | 66  |
|         | 30          | 844       | 68  |
|         | 35          | 861       | 69  |
|         | 40          | 886       | 71  |
|         | 279         | 709       | 57  |
|         | 309         | 734       | 59  |
|         | 359         | 760       | 61  |
|         | 409         | 760       | 61  |
|         | 3CLA        | 591       | 47  |
| 17W     | 27          | 1060      | 62  |
|         | 30          | 1082      | 64  |
|         | 35          | 1104      | 65  |
|         | 40          | 1136      | 67  |
|         | 279         | 909       | 53  |
|         | 309         | 941       | 55  |
|         | 359         | 974       | 57  |
|         | 409         | 974       | 57  |
|         | 3CLA        | 757       | 45  |

PROJECT:

TYPE:

### Performance Data

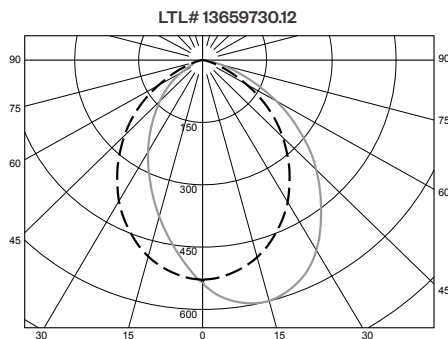
**Multiplying Factors:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

| Wattage: | 8W   | 12W  | 17W |
|----------|------|------|-----|
| Factor:  | 0.53 | 0.78 | 1.0 |

| Lens:   | Solite |
|---------|--------|
| Factor: | 0.95   |

| CCT:    | 2700K-83 | 3000K-83 | 3500K-83 | 4000K-83 | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ | 3CLA |
|---------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|------|
| Factor: | 0.98     | 1.0      | 1.02     | 1.04     | 0.84      | 0.87      | 0.90      | 0.91      | 0.70 |

### 17W LED, 3000K-83



**ZONAL LUMEN SUMMARY**

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 604    | 55.8  |
| 0-60   | 960    | 88.7  |
| 0-90   | 1082   | 100.0 |
| 90-180 | 0      | 0.00  |

Luminaire Efficacy: 63.6 lm/W

### Application Data (footcandles on wall)

#### 1.5 Feet from Wall

|                       | 1.5' | 1.5' | 1.5' | 1.5' |
|-----------------------|------|------|------|------|
| Distance from ceiling | 0.5' | 1.5' | 2.5' | 3.5' |
|                       | 40   | 47   | 49   | 49   |
|                       | 76   | 92   | 98   | 99   |
|                       | 57   | 70   | 76   | 78   |
|                       | 36   | 43   | 48   | 49   |
|                       | 23   | 27   | 30   | 31   |
|                       | 16   | 18   | 20   | 21   |
|                       | 12   | 13   | 14   | 15   |
|                       | 9    | 10   | 11   | 11   |

Footcandles are average and rounded off.  
Data for multiple units are based on a minimum of five units.

#### 1.5 Feet from Wall

|                       | 2'   | 2'   | 2'   | 2'   |
|-----------------------|------|------|------|------|
| Distance from ceiling | 0.5' | 1.5' | 2.5' | 3.5' |
|                       | 35   | 36   | 39   | 36   |
|                       | 65   | 71   | 76   | 74   |
|                       | 47   | 55   | 59   | 60   |
|                       | 30   | 35   | 38   | 39   |
|                       | 19   | 22   | 24   | 25   |
|                       | 13   | 15   | 17   | 18   |
|                       | 10   | 11   | 12   | 13   |
|                       | 8    | 9    | 10   | 10   |

#### 2 Feet from Wall

|                       | 2'   | 2'   | 2'   | 2'   |
|-----------------------|------|------|------|------|
| Distance from ceiling | 0.5' | 1.5' | 2.5' | 3.5' |
|                       | 17   | 19   | 21   | 20   |
|                       | 43   | 50   | 53   | 54   |
|                       | 42   | 50   | 54   | 56   |
|                       | 31   | 37   | 40   | 42   |
|                       | 22   | 26   | 28   | 29   |
|                       | 16   | 18   | 20   | 21   |
|                       | 12   | 14   | 15   | 16   |
|                       | 10   | 11   | 11   | 12   |

PROJECT:

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### Dimming Compatibility

Amerlux® Solace fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

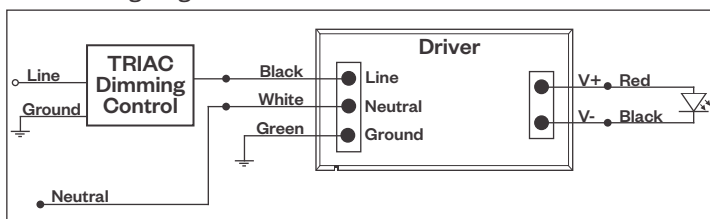
#### TRIAC (Forward Phase) DIMMING (Standard)

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

##### Notes:

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

#### TRIAC Wiring Diagram



| Compatible Dimmers†:    |                      |
|-------------------------|----------------------|
| Wall Box (TRIAC 120VAC) | Central System       |
| Lutron "Diva"           | Lutron "GP" Panel    |
| Lutron "Nova-T"         | Lutron Grafik Eye QS |
| Lutron "Maestro"        |                      |
| Lutron "Skylark"        |                      |

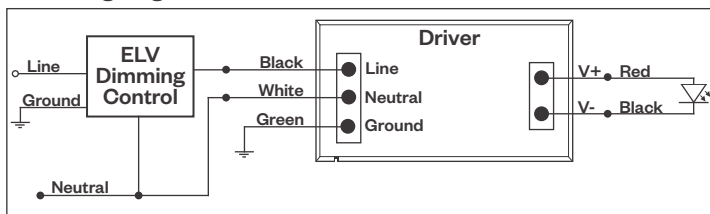
#### ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Utilizes specialized "ELV" dimmers.

##### Notes:

- 120VAC or 277VAC\*
- Dims down to 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

#### ELV Wiring Diagram



| Compatible Dimmers†:  |                           |                                              |
|-----------------------|---------------------------|----------------------------------------------|
| Wall Box (ELV 120VAC) | Wall Box (ELV 277VAC)     | Central System                               |
| Lutron "Diva"         | Leviton Revoir II AWSMT-E | Lutron "GP" Panel with PHPM-PA 120/277VAC    |
| Lutron "Nova-T"       |                           | Lutron Grafik Eye QS with PHPM-PA 120/277VAC |
| Lutron "Maestro"      |                           |                                              |
| Lutron "Skylark"      |                           |                                              |
| Leviton "Surslide"    |                           |                                              |
| Leviton "Vizio"       |                           |                                              |

##### Notes:

\* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

PROJECT:

TYPE:

### Dimming Compatibility *(continued)*

Amerlux® Solace fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (Dimmer, Fixture Quantity, Voltage, etc) may affect dimming performance.

**--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---**

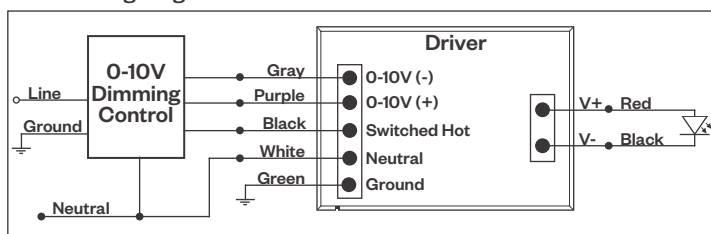
#### 0-10V DIMMING

Integrates into a variety of building management and daylighting controls

##### Notes:

- 120VAC or 277VAC\*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

#### 0-10V Wiring Diagram



#### Compatible Dimmers\*:

##### Wall Box

Lutron "Diva" - DVSTV | Leviton Renoir II 0-10V

##### Central System

Lutron Grafik Eye with GRX-TVI Interface

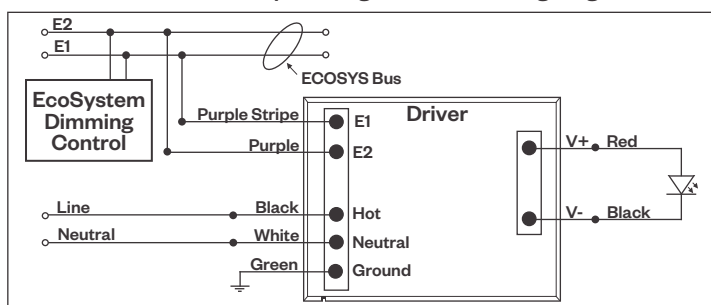
#### LUTRON LDE1 DIMMING

Integrates into Lutron EcoSystem building management

##### Notes:

- 120VAC or 277VAC\*
- Dims down to 1% light output
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

#### LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



#### Compatible Dimmers\*:

##### Lutron ECO System

| Lutron ECO System       | Central System                       |
|-------------------------|--------------------------------------|
| Pow Pak Dimming Modules | Lutron EcoSystem compatible controls |
| Energj Savr Node        |                                      |
| Grafik Eye QS/Homeworks |                                      |
| QS Control Unit         |                                      |
| Quantum Hub             |                                      |
| Homeworks QS/My Room    |                                      |

##### Notes:

\* Driver is 277VAC dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.