

# ACULUX 3" and 4" LED SERIES DIMMER COMPATIBILITY

FOR USE WITH:  
**AX3 / AX3SQ**  
**AX4 / AX4SQ**

## DIMMER COMPATIBILITY

### Phase Dimming Driver (FPC)

#### Incandescent, Magnetic Low Voltage and Electronic Low Voltage Dimming

- Dimmable with the use of most forward and reverse phase dimmers
- Dimming range of 100% down to 5% or lower with a minimum load of one fixture; both dimming range and maximum rated load may vary depending on dimmer model
- See maximum load calculations below to identify max number of luminaires per dimmer.

#### Forward Phase (Incandescent and Magnetic Low Voltage)

Example: Fixture Rating = 13W  
 Dimmer Rating = 600W  
 Equivalent Incandescent Load (EIL) = 50%  
 $(600/13W) \times 0.5 = 23$  Fixtures per Dimmer

Forward Phase

| Manuf.  | Product Family  | Series     | Type | Min Light (%) |
|---------|-----------------|------------|------|---------------|
| Lutron  | Glyder          | GLV*       | MLV  | 2             |
| Lutron  | Nova T          | NTLV       | MLV  | 2             |
| Lutron  | Rotary          | D          | INC  | 2             |
| Lutron  | Diva            | DVLV*      | MLV  | 3             |
| Lutron  | Ceana           | CNLV       | MLV  | 3             |
| Lutron  | Diva            | DV         | INC  | 2             |
| Lutron  | Skylark         | S          | INC  | 2             |
| Lutron  | Ariadni         | AY         | INC  | 2             |
| Lutron  | Skylark         | SLV*       | MLV  | 3             |
| Lutron  | Diva            | DVCL       | INC  | 2             |
| Lutron  | Ariadni         | AYCL       | INC  | 2             |
| Lutron  | Toggle          | TGCL       | INC  | 2             |
| Lutron  | Lumea           | LGCL       | INC  | 2             |
| Lutron  | Skylark Contour | CTCL       | INC  | 2             |
| Lutron  | RadioRA2        | RRD-10ND*  | INC  | 2             |
| Leviton | SureSlide       | 6633*      | INC  | 2             |
| Leviton | SureSlide       | 6613*      | MLV  | 2             |
| Leviton | Illuminatech    | IPL06-10Z* | INC  | 5             |

#### Reverse Phase (Electronic Low Voltage)

Example: Fixture Rating = 13W  
 Dimmer Rating = 600W  
 Equivalent Incandescent Load (EIL) = 75%  
 $(600/13W) \times 0.75 = 34$  Fixtures per Dimmer

Reverse Phase

| Manuf. | Product Family | Series     | Type | Min Light (%) |
|--------|----------------|------------|------|---------------|
| Lutron | Maestro        | MAELV*     | ELV  | 3             |
| Lutron | Faetra         | FAELV      | ELV  | 3             |
| Lutron | Spacer         | SPSELV     | ELV  | 3             |
| Lutron | Nova T         | NTELV      | ELV  | 3             |
| Lutron | Diva           | DVELV      | ELV  | 2             |
| Lutron | Skylark        | DVELV      | ELV  | 2             |
| Lutron | RadioRA2       | RRD-6NA*   | PHA  | 2             |
| Lutron | Vizia          | VPE06-1LX* | ELV  | 2             |
| Lutron | Illuminatech   | IPE04*     | ELV  | 5             |

Integrated Control Systems

| Manuf. | Product Family | Series    | Type | Min Light (%) |
|--------|----------------|-----------|------|---------------|
| Lutron | GrafikEye QS   | PHPM-PA*  | PHA  | 1             |
| Lutron | HomeWorks QS   | PHPM-PA*  | PHA  | 1             |
| Lutron | HomeWorks QS   | HW-RPM-4A | PHA  | 2             |
| Lutron | LCP128         | PHPM-PA*  | PHA  | 1             |
| Lutron | LCP128         | LP-RPM-4A | PHA  | 1             |
| Lutron | LP             | PHPM-PA*  | PHA  | 1             |
| Lutron | LP             | LP-RPM-4A | PHA  | 1             |

\*Aculux recommended dimmers

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## DIMMER COMPATIBILITY

### 0-10V Dimming Driver (EZ1, EZB)

- Dimmable with the use of most 0-10V protocol dimmers. Dimming range of 100% to 1% (EZ1) or <1% (EZB).

#### 0-10 Dimming

| Manuf. | Product Family | Series | Type  | -EZ1 Min. Light (%) | -EZB Min. Light (%) |
|--------|----------------|--------|-------|---------------------|---------------------|
| Lutron | Diva           | DVTV   | 0-10V | 1                   | <1                  |
| Lutron | Nova           | NFTV   | 0-10V | 1                   | <1                  |
| Lutron | Nova T         | NTFTV  | 0-10V | 1                   | <1                  |

#### Integrated Control Systems

| Manuf.      | Product Family | Series       | Type  | -EZ1 Min. Light (%) | -EZB Min. Light (%) |
|-------------|----------------|--------------|-------|---------------------|---------------------|
| Lutron      | GrafikEye QS   | GRX-TVI*     | 0-10V | 1                   | <1                  |
| Lutron      | HomeWorks QS   | GRX-TVI*     | 0-10V | 1                   | <1                  |
| Lutron      | HomeWorks QS   | GRX-TVM2*    | 0-10V | 1                   | <1                  |
| Lutron      | LCP128         | GRX-TVI*     | 0-10V | 1                   | <1                  |
| Lutron      | LCP128         | GRX-TVM2*    | 0-10V | 1                   | <1                  |
| Lutron      | LP             | GRX-TVM2*    | 0-10V | 1                   | <1                  |
| Lutron      | RadioRA2       | LMJ-5T-DV-B  | 0-10V | 1                   | <1                  |
| Crestron    | GreenLight     | DIN-4DIMFLV4 | 0-10V | 1                   | <1                  |
| Lutron      | Energi Tripak  | RMJ-5T-DV-B  | 0-10V | 1                   | <1                  |
| Wattstopper | DLM            | LMRC-211     | 0-10V | 1                   | <1                  |

### DMX Dimming (DMXR)

- Compatible with ANSI+E1.11-2008R2013 (USITT DMX512-A) controller and system equipment.

### DALI Dimming (DALI)

- Compatible with IEC 62386-207 and IEC 62386-102 certified controller and system equipment.

### Lutron HI-Lume A-Series Driver

#### 120V-277V 3-Wire Fluorescent Controls and EcoSystem Digital Controls (ECOS3)

- For a list of compatible dimmers, please reference Lutron's Report Card for EcoSystem and 3-Wire Control dimming systems located at: [http://www.lutron.com/TechnicalDocumentLibrary/EcoSystem\\_3-wire\\_report\\_card.pdf](http://www.lutron.com/TechnicalDocumentLibrary/EcoSystem_3-wire_report_card.pdf)

#### 120V 2-Wire Forward Phase Controls (ECOS2)

- For a list of compatible dimmers, please reference Lutron's Report Card for 2-Wire Control dimming systems located at: [http://www.lutron.com/TechnicalDocumentLibrary/2-wire\\_Fwd\\_phase\\_report\\_card.pdf](http://www.lutron.com/TechnicalDocumentLibrary/2-wire_Fwd_phase_report_card.pdf)