

Dimming Compatibility

Do you plan on dimming LED fixtures? We have 2 types of dimming systems - each for a different "wired" situation. Most common would be 120V standard wiring, almost all residential and 50% of commercial applications. 120V standard wiring uses our PHASE dimmed LED arrays.

In less common mostly commercial situations they require 120/277V 0-10V dimming to match a specially "wired" situation. If this has not been specified and you are not sure, please ask your electrical contractor. *Either dimming system type can be used in a standard 120V situation, however 0-10V LED arrays cannot be dimmed without special wiring. (4 wires special vs. 2 wires standard)

Phase Dimming (standard wiring)

There are two types of Phase Dimming: Leading Edge Dimming and Trailing Edge Dimming. Leading Edge Dimming is sometimes referred to as "Forward Phase" or "TRIAC MAGNETIC MAG" dimming. Trailing Edge dimming is sometimes referred to as "Reverse Phase" or "Electronic Low Voltage ELV Dimming". There are no additional wires on a Phase Dimming driver. Phase dimming is only available in 120V input. We recommend Electronic Low Voltage dimmers for the best dimming range (down to 10%)

0-10V Dimming (special wiring)

This dimming type is used in some new construction and many commercial applications. There are extra wires (usually grey and purple) on the driver that connect up to the 0-10V dimmer. 0-10V dimming is available in universal 120V-277V input.

Dimming Compatibility

Compatible Dimmers



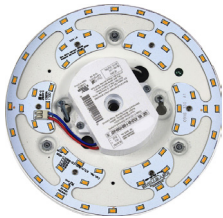
Retrofit Medium, Candelabra and GU-24 Base LED Bulbs

Lutron CTCL-153P
Lutron DVCL-153P
Lutron LGCL-153P
Lutron S-600
Leviton IPL06
Leviton IPI10
Leviton 6631-LW
Leviton 6683-IW



Filament LED BULBS

Lutron DV-600
Lutron TG-600
Leviton 6633-P



120V dedicated/replaceable LED ARRAYS use PHASE dimming controls and wiring. Recommended electronic low voltage ELV reverse phase dimmers include...

Lutron DVELV 300P (elec)
Leviton DSE06-10Z (elec)
Cooper ASPIRE 600W ELV Slide Dimmers - 9531

120/277V dedicated/replaceable LED ARRAYS use 0-10V dimming controls and wiring.

The dimming switch must have 4 wires (hot, neutral & - [minus], + [plus] low voltage control wires) from the switch location to the fixture.

This is not standard wiring in most residential applications. Recommended 0-10V dimmers include...

Lutron DVSTV
Lutron NTSTV-DV
Leviton IP710-LFZ
Leviton DS710-10Z
LeGrand WS4FBL3P Wide Slide
Cooper 0-10V Decorator Dimmer - DF10P
Cooper 0-10V Slide Dimmer - SF10P
Lightolier SR1200ZTUNV W/integral line voltage relay



SLICE suspension, WINK and TABLET Sconce & FLIP surface fixtures

Cooper TAL06P-C2
Lutron DVCL-153P
Lutron DVELV-300P
Lutron DVLV-600P
Lutron SLV-600P
Lutron SELV-300P
Lutron NTCL-250



ECLIPSE surface mount and sconce fixtures

Lutron DVELV-300P



KEVIN and SLIM suspension fixtures

Lutron DVSTV
Lutron NTSTV-DV
Leviton IP710-LFZ
Leviton DS710-10Z



SHEET, WAND and ROLLER suspension fixtures

Lutron DV-600
Lutron TG-600
Leviton 6633-P

120/277V Universal Voltage 0-10V dimmable LED array options available, please contact Seascope for pricing.

Please consult dimmer manufacturers for more info.