

unidim[™]

UNIVERSAL DIMMING

"A **REVOLUTIONARY** UNIVERSAL DIMMING OPTION FOR **LITON GEN2** ARCHITECTURAL LED DOWNLIGHTS"



UNIVERSAL DIMMING UNIVERSAL VOLTAGE MULTI-WATT COMPATIBLE MULTI-LUMEN COMPATIBLE

LITON[®]

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One of the obstacles to getting LED products correctly specified on projects is the incompatibility between existing or planned dimming systems and a desired LED product.

Very often this incompatibility can result in unexpected rewiring costs or replacement of existing dimmers, a costly proposition.

Liton's UniDim™ LED Dimming Technology eliminates the costs and guesswork involved in matching LED luminaires with dimming systems.

Available on Liton's New Generation 2 Architectural Recessed LED Downlights, UniDim is compatible with most 2-Wire Incandescent/Triac, 0-10V and ELV dimmers!

Industry Leading Dimmer Compatibility

Considering the endless variety of dimmers on the market today and the vast number of installed dimmers, UniDim™ simplifies the job for manufacturers, specifiers and installers by providing wider dimmer compatibility and eliminating time consuming guesswork. This Ultra-Compatible Driver not only works with a large number of dimmer types, it also works with every major dimmer brand, including Lutron and Leviton. Please check out our up-to-date list of factory-qualified dimmers that UniDim™ drivers have been tested with.

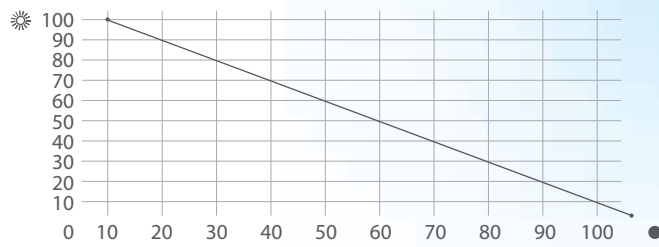
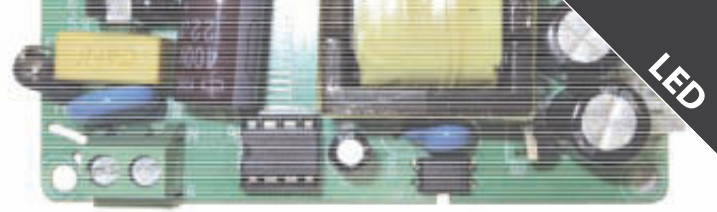
Stock or specify just one LED housing to handle all LED dimmers.

Avoid Expensive Rewiring ►

A big limitation when retrofitting inefficient lighting to LED is that existing dimming control systems may not be compatible with the new technology. For example, common Triac or Incandescent controls use only two wires while ELV/Trailing Edge or 0-10V dimmers use more than two wires and therefore require additional wiring. This incompatibility can cause a significant increase in material and labor costs.



UniDim™ Lighting Control Technology eliminates these potential costs by providing flicker-free dimming performance across all standard control inputs, regardless of dimmer type. With UniDim™ there is no expensive rewiring required because UniDim™ drivers are compatible with all dimmer types.



Smooth Flicker-Free Dimmer Compatibility

UniDim™ intelligent lighting technology eliminates the gaps, jumps and sections of inconsistency that are typical when controlling LED products with Triac/Incandescent controls. UniDim™ provides the same smooth, uniform response when dimming LED that you would expect when dimming an incandescent product.

Reduce Inventory & Fixture Variety

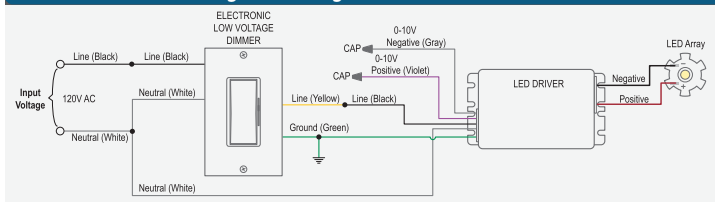
Distributors supplying new construction projects can now purchase and warehouse just one product to accommodate several different projects. Specifiers can now use just one product to satisfy all the needs of a project regardless of existing or planned wiring or lighting control systems.

All-In-One Universal LED Driver

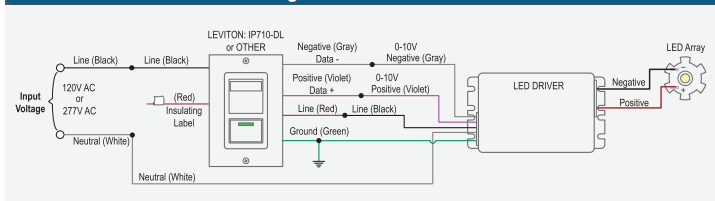
- Universal Dimming (ELV, Incandescent, 0-10V)
- Universal Voltage (120V/277V)
- Multi-Watt Compatible (19W/25W)
- Multi-Lumen Compatible (1400Lm/2000Lm)

Dimmer Wiring Diagrams

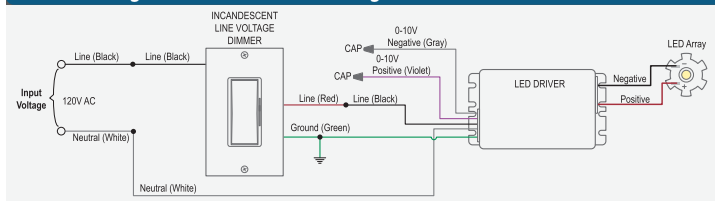
Electronic Low Voltage Dimming (120V AC)



0-10V Fluorescent Dimming (120-277V AC)



Line Voltage/Incandescent Dimming (120V AC)



Four Great Reasons to choose UniDim™

1. Avoid Expensive Rewiring or Dimmer Replacement
 - UniDim™ works with Incandescent/Triac, 0-10V and ELV Dimmers.
2. Avoid Dimmer Compatibility Issues
 - UniDim is compatible with Lutron, Leviton and most popular dimmer systems.
3. Smooth flicker-Free Dimmer Compatibility
 - UniDim delivers smooth, incandescent-like dimming performance from ELV, 0-10V, and 120V dimming systems.
4. Reduce Inventory and Fixture Variety
 - UniDim™ is available on all Liton Gen2 Architectural LED Housings

Stock or specify just one LED housing to handle all LED dimmers.

► UniDim™ Dimming Technology is compatible with the following dimming systems

Incandescent Dimming (120V AC)

History

Incandescent Dimmers were designed for use with Incandescent (120V) lighting fixtures that use A19 bulbs and PAR type lamps. They are the least expensive and most widely installed dimmers in the marketplace.

Synonymous Terms:

Incandescent, Leading Edge, 2-Wire & Triac Dimmers, Forward Phase.

► Compatible Dimmer Examples

Manufacturer	Style	Model
Lutron	Skylark	S600PR
Lutron	Diva	DVSCCL-153P
Lutron	Diva	DV600PR
Leviton	Illumatech	IP106(600W)
Hunt	Simplicity	PS-LED-PC

Electronic Low Voltage ELV Dimming (120V AC)

History

Electronic Low Voltage (ELV) Dimmers were originally designed to control Electronic Low Voltage Transformers used in low voltage (12V) MR16 type fixtures.

Synonymous Terms:

Electronic Low Voltage, ELV, Trailing Edge and Reverse Phase

► Compatible Dimmer Examples

Manufacturer	Style	Model
Lutron	Skylark	SELV-300P
Lutron	Diva	DVELV-300P
Lutron	Maestro	MAELV-600
Lutron	Nova	NTELV-600
Lutron	Vierti	VTELV-600
Leviton	Surslide	6615-POW
Lite Touch	Inverse Phase	08-2140-01
Lite Touch	8-Channel	6615-POW

0-10V Fluorescent Dimming (120-277VAC)

History

0-10V Dimmers have been used in commercial applications for fluorescent lighting and occupancy and daylight sensor systems for years and are now becoming popular with LED products. One reason this standard is widely established is that it is defined in the IEC standard number 60929 Annex E, making it acceptable to most engineers.

Synonymous Terms:

0-10V, Fluorescent Dimming, 5-Wire Dimming.

► Compatible Dimmer Examples

Manufacturer	Style
Lutron	NTFTV-WH*
Leviton	IP710-DLX
Lightolier	V2000FAMU
Synergy	Mark VII ISD 120/277 WH-M10

* Requires separate power supply, not supplied

► UniDim™ Dimming Technology is available for with the following Architectural LED Downlights

LHALD425



4" LED DOWNLIGHT

LHALD625 | LHBLD625



6" LED DOWNLIGHT

LHALD825



8" LED DOWNLIGHT