











DIMMING & CONTROLS

Notes on Dimming and Controls: EssentialLED® products can be dimmed using any of the **self-contained** dimming drivers offered on the previous pages, **OR** by combining **Osram's 0-10v Dimming Module** with any of our constant voltage electronic drivers. All self-contained dimming drivers (marked with an orange dot (●)) require a Relay Module (AC - PWR - RLY) to reach full "off" position. Magnetic drivers can be dimmed using a standard magnetic low voltage wall dimmer.

Whether you choose a self-contained dimming driver, or combine a 0-10v dimming module and standard driver, you will need a device to control the dimming effect. We offer the wall-mount **Lutron Diva** or a **Local Dimming Controller** that attaches directly to the driver unit.

CONTROL & INTERFACE ACCESSORIES

0 - 10V/ DMX DIMMING MODULE	SPECIFICATIONS	CAT. NO. AC - PWR -
 <div style="text-align: right;">  </div>	<p>Dimensions: 6.77" L x 1.65" W x 0.79" H [172mm L x 42mm W x 20mm H]</p> <p>Weight: 0.165lbs [74.84 grams]</p> <p>Nominal Input Voltage: 24</p> <p>OT DIM Max.Output Power (W): 120w, 60w each output, 2 channels</p> <p>OT DMX Max.Output Power (W): 140w, 48w each output, 3 channels</p> <p>OT DIM Max Output Current per Channel (A): 2.5 A</p> <p>OT DMX Max Output Current per Channel (A): 2.0 A</p> <p>Output Frequency (Hz): 135</p> <p>Input Voltage Range: 9.5 - 25v DC</p> <p>Dimming Range: 0 - 100%</p> <p>Control Current: 0.6 mA max.</p> <p>Temp. Range: 4° to 122°F [-20° to +50°C]</p> <p>Max. Case Temperature: 158°F [70°C]</p> <p>Manufacturer: Osram</p>	<div style="border: 1px solid black; padding: 2px; text-align: center;"> DIM DMX </div> <p>Description: 0 - 10v dimming module from Osram for use in conjunction with standard electronic drivers (Constant Voltage only); requires control device. Two outputs of 60w each, 120w max.</p>
LUTRON DIVA 0 - 10V CONTROL	SPECIFICATIONS	CAT. NO. AC - PWR - 4WF
 <div style="text-align: right;">   </div>	<p>Dimensions: 4.69" L x 0.94" W x 0.30" H [119mm L x 75mm W x 7.6mm H]</p> <p>Control: 0-10v 30 mA</p> <p>Manufacturer: Lutron</p> <p>Finish Color: White</p>	<p>Description: Control device from Lutron for control of 0 - 10v dimming; can be used in conjunction with OT Dim module and standard electronic driver (Constant Voltage only) or with self-contained dimming drivers (Constant Voltage or Constant Current). Wall mount paddle switch with linear slide; uses low-voltage wiring for easy installation. White.</p>
MOTION SENSOR	SPECIFICATIONS	CAT. NO. AC - PWR - MO
 <div style="text-align: right;">  </div>	<p>Dimensions: 3.00" L x 1.75" W x 1.38" H [76.2mm L x 44.5mm W x 34.9mm H]</p> <p>Material: Plastic Case</p>	<p>Description: Mini PIR Motion Sensor switch automatically powers on LEDs for 1 to 10 minutes (variable setting); 6 amp maximum load; detection range of 15 feet, 60° from center of sensor.</p>
DOOR/DRAWER PRESSURE SWITCH	SPECIFICATIONS	CAT. NO. AC - PWR - PSW
 <div style="text-align: right;">   </div>	<p>Dimensions: 1.50" L x 1.63" W x 0.56" H [38.1mm L x 41.3mm W x 14.3mm H]</p> <p>Material: Plastic Case</p>	<p>Description: Pressure Switch mechanically connects/disconnects wire connection to automatically power LEDs when cabinet door or drawer is opened. Mount inside so that plunger is held in off position when door/drawer is closed.</p>

CONTROL & INTERFACE ACCESSORIES

LOCAL DIMMING CONTROLLER SPECIFICATIONS CAT. NO. AC - PWR - KNB



Dimensions: 1.5" Diameter; 4.5" wire lead
[38.1mm Diameter;
114.3 mm wire lead]
Material: Plastic Case

Description: Local dimming control device for 0-10v dimming; use in conjunction with 0 - 10v dimming module (Cat. No. AC - PWR - DIM) (Constant Voltage only) or in conjunction with self-contained dimming drivers (Constant Voltage or Constant Current.)

LUTRON RELAY MODULE SPECIFICATIONS CAT. NO. AC - PWR - RLY



Dimensions: 3.75" L x 2.25" W x 1.38" H
[95.3mm L x 57.15mm W x 35.05mm H]
Manufacturer: Lutron

Description: Power Relay Module from Lutron for use with electronic self-contained 0 - 10v dimming drivers; shuts input power to full "off".

UNIVERSAL DMX DIMMING INTERFACE - CONSTANT VOLTAGE SPECIFICATIONS CAT. NO. AC - PWR - PB -



Dimensions: 11.5" L x 6.0" W x 1.89" H
[292mm L x 152mm W x 48mm H]
Weight: 3lbs [1.4kg]
Input Voltage: 12v-24vDC
Input Current: 4A max.
Output Voltage: 12v-24vDC
Output Current: 4A max.
Dimming Method: Eldoled Hydra Driver
Dimming Range: 100%-0%
Control Protocol: DMX
DMX In/Out: Neutrik Ether Con
DMX Channels: 1 or 2
Temp. Range: -4° to 122°F [-20° to +50°C]
Tc Max: 149°F [65°C]
Manufacturer: VLT

DMX1
DMX2

Description: Low Voltage DMX dimming Interface module, 12v to 24c DC input Constant Voltage, 8 Amp Max Output Current, allows for any LED driver to dim using the EldoLed Hydra Drive dimming technology. Flicker Free dimming to dark, 0 - 100% dimming range, DMX Controllable, DMX In / DMX Out Connectors, 1 or 2 DMX Control Channels.

UNIVERSAL DMX DIMMING INTERFACE - CONSTANT CURRENT SPECIFICATIONS CAT. NO. AC - PWR - PB - DMXCC



Dimensions: 11.5" L x 6.0" W x 1.89" H
[292mm L x 152mm W x 48mm H]
Weight: 3lbs [1.4kg]
Input Voltage: 12v-32v
Input Current: 4.62A max
Output Voltage: 11v-31v
Output Current: 200mA-1,050mA (Programmable)
Dimming Method: Eldoled Hydra Driver
Dimming Range: 100%-0%
Control Protocol: DMX
DMX In/Out: Neutrik Ether Con
DMX Channels: 1
Temp. Range: -4° to 122°F [-20° to +50°C]
Tc Max: 149°F [65°C]
Manufacturer: VLT

Description: Low Voltage DMX dimming Interface module 200mA - 1050mA, Constant Current, 12v to 32V DC input, 4 Amp Max Output Current, 4 Chanel, allows for any LED driver to dim using the EldoLed Hydra Drive dimming technology. Flicker Free dimming to dark, 0 - 100% dimming range, DMX Controllable, DMX In / DMX Out Connectors, 1 DMX Control Channels.