



# CREATE THE RIGHT LIGHTING ENVIRONMENT

## LED DRIVERS BY AMERICAN BRIGHT



### PRECISE ILLUMINATION, UNWAVERING CONTROL

Elevating your lighting design with unwavering voltage and current stability, LED drivers are critical devices that control and deliver optimal current and voltage to LEDs. Unlike traditional bulbs, LEDs are both efficient and long-lasting. However, they exhibit distinct power demands. They require a steady, precise power supply due to temperature and aging sensitivity. The driver bridges this gap, transforming high-voltage AC from buildings to the low-voltage DC LEDs need.

### UNLEASH THE FULL POTENTIAL OF YOUR LEDs

#### EFFORTLESS SETUP AND SCALING:

Plug-and-play simplicity — ideal for installations using light strips and rope lights.

#### UNCOMPROMISING PERFORMANCE:

Eliminate brightness variations and color shifting, even with large LED strings or dynamic loads.

#### ENERGY EFFICIENCY:

LED drivers provide the right amount of power and control the current flow, minimizing energy wastage and ensuring LEDs operate at peak efficiency.

#### ENHANCED SAFETY AND RELIABILITY:





Built-in protection circuits safeguard against voltage spikes and surges, ensuring worry-free operation.

#### DIMMING CONTROL:

Drivers allow users to adjust the brightness of the LEDs according to their preferences or specific lighting requirements.

#### EXTENDED LED LIFESPAN:

Precise voltage regulation protects LEDs from overdriving and premature degradation.

<p>110VAC (North America Only)</p>	<ul style="list-style-type: none"> <li>• US Standard input voltage 90 – 132VAC</li> <li>• Ultra-Thin Casing</li> <li>• Output voltage 12VDC and 24VDC</li> <li>• IP20 Rating</li> <li>• Short circuit, Overload, Over voltage &amp; Over temperature protection</li> </ul>	
<p>TRIAC Dimmer Driver (110VAC)</p>	<ul style="list-style-type: none"> <li>• US Standard input voltage 90 – 132VAC</li> <li>• Output voltage 12VDC and 24VDC</li> <li>• IP20 Rating and suitable for dry environment</li> <li>• Active PFC function with high power factor</li> <li>• Short circuit, Overload, Over voltage &amp; Over temperature protection</li> <li>• Load range 10 – 100%, Dimming range 0 – 100%</li> <li>• No Flicker</li> </ul>	
<p>Universal Voltage Input (110 &amp; 220VAC)</p>	<ul style="list-style-type: none"> <li>• Input voltage: 90 – 264VAC</li> <li>• Flat and Slim Design</li> <li>• Output voltage 12VDC and 24VDC; also available in 48VDC</li> <li>• Open circuit, Short circuit, Overload and Overheat protection</li> <li>• Compliant with ERP directive</li> </ul>	
<p>Outdoor Waterproof (110 &amp; 220VAC)</p>	<ul style="list-style-type: none"> <li>• Universal AC input (90 – 305VAC)</li> <li>• Output voltage 12VDC and 24VDC</li> <li>• Dual mode Constant output voltage(CV) and Constant output current (CC)</li> <li>• IP65, IP67 Rating with metal case, suitable for dry, humid and rainy environments</li> <li>• Short circuit, Over voltage &amp; Over temperature protection</li> <li>• Built-in Active PFC function</li> <li>• High efficiency and power factor</li> <li>• Output current and voltage is adjustable</li> </ul>	

## APPLICATIONS

Medical Equipment  
Displays & Signage  
Architectural

Entertainment  
Horticultural  
EV Charging Stations

General Lighting  
Industrial Equipment  
Office Furniture

Marine  
Robotics  
Retail Lighting

## BRIGHT IDEAS. BRILLIANT SOLUTIONS