



## Trinity Remote LED Lighting Driver

### Amazing power and control in a simple black box.

LumaStream took a decidedly fresh approach powering LEDs when it developed its Trinity LED driver platform. The result is a three-in-one remote driver that delivers unexpected, remarkable results for low-voltage LED lighting systems.

The Trinity driver is the intelligent hub of a LumaStream lighting system. Our patented core technology provides the highest level of power conversion efficiency paired with the industry's widest, smoothest dimming range.

Rather than convert line voltage power to low-voltage at every LED light fixture, our Trinity platform combines digital power conversion, constant current drivers, and superior dimming control into one cohesive LED power supply. By merging these functions into a single driver and using digital processing, we're able to maximize the efficiency of AC/DC power conversion at multiple stages. This translates to remarkably high power efficiency maintained across a wide range of dimming levels. It also solves the industry's challenge of the driver being the weakest link in an LED lighting system.

Amazingly simple. Amazingly efficient and powerful.

“LumaStream’s integrated power supply/DMX interface/LED driver allows us to focus on our light fixture design and application. It can be configured for almost any LED load and it has exceptional dimming control, especially on the critical low end of the range”

— Eric Nelson, LED Product Developer,  
Winona Lighting



**Lumastream Trinity Remote LED Driver**

# Why LumaStream Trinity Remote Drivers

Remote Power. Driverless Fixtures. Logical Approach.

- Digital AC/DC power conversion, constant current drivers, and dimming control in a single device
- 240 watt output, consistent 87% power efficiency across wide range of loads and dimming levels
- Power 24-36 luminaires from one, remote power source; 200 ft. in any direction
- Dramatically increase lifespan, reliability, and performance of LEDs
- Industry's only smooth, flicker-free dimming to 0.2% brightness
- Low-voltage, class 2 wiring carries both power and control signal to LEDs
- Reduce infrastructure, reduce labor, eliminate maintenance
- Multi-channel digital (DMX) or analog control options
- UL listed, RoHS compliant

Model	Drive Current	Voltage	Channels	Control	Applications
<b>Trinity 12</b>	350 mA	12 to 47 VDC	12	DMX, Analog	<ul style="list-style-type: none"> <li>• Aesthetic accent lighting</li> <li>• Colored and color-changing lighting</li> <li>• Building facades</li> </ul>
<b>Trinity 12</b>	500 mA	12 to 47 VDC	9	DMX, Analog	<ul style="list-style-type: none"> <li>• Accent lighting</li> <li>• Under mezzanine, linear applications</li> <li>• Hotel lobbies</li> </ul>
<b>Trinity 12</b> <b>Trinity 6</b>	700 mA 700 mA	12 to 47 VDC 6 to 27 VDC	6 12	DMX, Analog	<ul style="list-style-type: none"> <li>• General illumination</li> <li>• Mid-lumen range luminaires</li> <li>• Restaurant dining</li> </ul>
<b>Trinity 6</b>	1000 mA	6 to 27 VDC	9	DMX, Analog	<ul style="list-style-type: none"> <li>• General lighting, brighter spaces</li> <li>• Higher lumen range</li> <li>• Expo kitchen, training rooms</li> </ul>
<b>Trinity 6</b>	1400 mA	6 to 27 VDC	6	DMX, Analog	<ul style="list-style-type: none"> <li>• Intense, wide beam applications</li> <li>• Long throw ranges</li> <li>• High bay, manufacturing floor</li> </ul>