



LED Lighting That Improves The Environment, And Your Bottom Line

A LumaStream LED lighting system is designed to optimize the living environment – improving the human experience of light, and protecting our valuable natural resources. We take a holistic approach to the design of our intelligent LED lighting systems, solving many of the inherent challenges in conventional LED products.

Because our approach is different, our results are too. A LumaStream lighting system delivers significantly improved LED performance, along with unmatched energy efficiency, and lighting control that delivers maximum impact in built spaces. Our intelligent driver reveals the true benefits of LED technology.

LumaStream Low-Voltage LED Systems	Conventional LEDs
Power conversion managed remotely, with intelligent, low-voltage power supply. Prevents heat from damaging electronics. Provides power, control, and surge protection.	Embedded electronics convert AC to DC. Onboard drivers are the number one source of failure in LED fixtures*. <i>*US Department of Energy</i>
Delivers energy efficient DC power to native DC LED fixtures.	Line voltage power must be transformed and converted at every LED fixture.
Dim to near zero brightness (0.2%); flicker-free.	Dimming performance unpredictable.
Consistent color rendering, >88 CRI.	Color accuracy varies, avg. 80 CRI.
Control flexibility; because our LED power supply is compatible with most control systems. Broadens design options.	Control challenges; because LED driver must be compatible with specific control systems. Limits design options.
Discrete control; lights can be controlled down to the individual LED fixture.	Clunky control; LEDs wired in control banks, not controlled individually.
Remotely monitor and program lighting control.	Often limited to on-site monitoring.
Easy to update; change lighting scenes without rewiring, using digital programming.	Difficult to update; Must rewire to make changes to control zones.
Limitless creative options with color-changing and other visual effects.	Creative options limited by fixture specifications.
Class 2 wiring: thin gauge, no conduit, safe.	Class 1 wiring: high voltage, MC cable, conduit.
Built-in, system shock and surge protection.	No surge protection at fixture.
50,000 hour fixture lifespan.	50,000 hour LED, but driver fails first.
Greater savings, up front and throughout operation.	Savings limited to efficiency of fixture.

Visit www.lumastream.com, or contact LumaStream today to discuss a low-voltage, intelligent, LED lighting system for your next project.