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LumaStream Granted Patent for Network Connected IoT Low-Voltage Lighting Systems

LumaStream's unique IoT-connected PIPD modules and power supplies create limitless opportunities for residential and commercial technology integrators

Saint Petersburg, FL November 28th, 2018 – LumaStream (lumastream.com), makers of innovative, premium low-voltage LED lighting systems for residential and commercial applications has been granted a patent (US patent #10,076,016 B2) for integrating a low-voltage lighting system with an Internet of Things (IoT) infrastructure. This patent points to limitless opportunities for LumaStream low-voltage LED lighting systems to be an integral part of any residential or commercial smart environment.

At the heart of LumaStream's IoT patent filing is the Peripheral Interface and Power Distribution module (PIPD). Power, communication and sensor data is gathered within a hub architecture. The modules can reside anywhere on the local network—they can be centrally located in each room or installed together in groups. The PIPD module can transmit and receive data via wireless and/or wired connection, securely communicating with control platforms, dimmers or sensors. The PIPD module may contain embedded sensors and/or be connected to external sensors for the purpose of monitoring a wide array of parameters such as ambient conditions, safety related data and much more. LumaStream network-connected low-voltage lighting systems empower architects, designers and technology integrators to provide their clients with the most intelligent, cost effective environments possible.

Without the advanced LumaStream PIPD modules and power supplies, a smart lighting system would require that each fixture contain intelligent circuitry and wireless communication devices, dramatically elevating system cost and complexity beyond the practical and decreasing overall reliability. Based on LumaStream's patented technology for network-connected low-voltage LED lighting, the realm of possibilities for intelligent living now and in the future has become limitless.

LumaStream's networked low-voltage IoT technology can receive data inputs from a diverse array of devices such as motion sensors used for monitoring assisted care facilities, human analytics data collection for marketers and occupancy monitoring for most efficient energy usage.

"The power of IoT is transforming our living and work environments into an ecosystem of information based on data collected as we go about our daily routines," said LumaStream Chairman and Founder Eric Higgs. "The way we utilize this information will be driven by desired outcomes that can enrich our lives and assist us in making better decisions."

LumaStream Means Opportunity for Technology Integrators

With LumaStream, integrators have full control over an end-to-end, architectural LED lighting solution that is modern and energy-efficient without the need to be dependent on a licensed electrician. LumaStream's LED lighting solutions are based on patented technology that enables smooth, faultless dimming as well as the distribution of low-voltage DC over long distances between remote power

supplies and premium light fixtures without any degradation in performance. Featuring fully scalable power supplies available in DMX or 0-10 volt configurations with up to 12 channels, the LumaStream lighting platform runs cooler and performs to specification longer than competitive LED lighting solutions. Most critically, LumaStream supports their integration partners with comprehensive lighting design services as well as technical and sales support teams, giving them access to high-level expertise and a pathway to success in the lighting category.

For LumaStream sales, please contact: sales@lumastream.com

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About LumaStream

LumaStream was founded in 2010 and has become an industry leader in low-voltage, specification-grade, high CRI white light LED lighting solutions for commercial and residential applications. Having been awarded over 20 patents for significant innovations, LumaStream's unique digital power conversion platform has revolutionized the lighting industry and made premium LED solutions practical for nearly any application. Featuring an open-source control protocol compatible with all popular automation systems, class-leading energy efficiency and smooth, continual dimming to less than 1%, LumaStream is also best-in-class for reliability and longevity. Headquartered in Saint Petersburg, Florida, LumaStream offers products that are proudly made in USA. lumastream.com

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