

# New LYTSwitch-2 Isolated LED-Driver ICs from Power Integrations Deliver More Output Power and Greater Accuracy

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Facilitate highly repeatable bulb performance and reduced component count

SAN JOSE, Calif.--(BUSINESS WIRE)-- **Power Integrations** (Nasdaq: **POWI**), the leader in high-efficiency, high-reliability LED-driver ICs, today announced its **LYTSwitch™-2** family of isolated LED drivers. The new IC family, which delivers up to 12 watts of accurately controlled output power, substantially reduces component count, resulting in simpler, smaller, more reliable LED lighting designs.

**LYTSwitch-2** LED-driver ICs use primary-side control, resulting in cost-effective, single-sided PCBs with low component counts. In addition, driver isolation allows the LEDs to be affixed directly to a metal heat sink, avoiding the added expense of an electrically isolating enclosure that is often required for non-isolated drivers. Accurate constant-current (CC) output tolerance across temperature (better than +/-5% at both low-line and high-line voltages) reduces the need to over-design systems in order to meet requirements such as the U.S. ENERGY STAR® minimum-lumens-delivered specification. Designs using **LYTSwitch-2** ICs are also highly efficient – up to 90% in typical applications.

**LYTSwitch-2** ICs protect the LED load from surges in line voltage, increasing bulb lifetime in regions where the mains voltage is subject to frequent peaks. The constant-current and constant-voltage (CC/CV) control function maintains a constant voltage on the output of the driver during no-load operation, preventing damage to the output filter or shutting down the driver when being tested or installed with no LED string connected.

Comments Andrew Smith, product marketing manager for **Power Integrations**: “**LYTSwitch-2** LED-driver ICs can be used as a platform to create products from 1 W to 12 W, and they are ideal for low-cost bulbs, ballasts, down-lights

and tubes. Because of the IC's stability and closely controlled part-to-part variation, engineers can be confident that their designs will be repeatable and manufacturable with little or no performance variation."

**LYTSwitch-2** LED-driver ICs feature over-temperature, over-current and open feedback-loop protection and are simple to design in using **Power Integrations' PI Expert** design software. Devices are packaged in small, cost-efficient SO-8 packages as well as MSOP and eSIP packages for efficient thermal transfer in higher-power applications. **LYTSwitch-2** IC pricing starts at 0.52 for SO-8 devices in 10K quantities.

## About Power Integrations

**Power Integrations, Inc.** is a Silicon Valley-based supplier of high-performance electronic components used in high-voltage power-conversion systems. The company's integrated circuits and diodes enable compact, energy-efficient AC-DC power supplies for a vast range of electronic products including mobile devices, TVs, PCs, appliances, smart utility meters and LED lights. CONCEPT IGBT driver systems enhance the efficiency, reliability and cost of high-power applications such as industrial motor drives, solar and wind energy systems, electric vehicles and high-voltage DC transmission. Since its introduction in 1998, Power Integrations' EcoSmart® energy-efficiency technology has prevented billions of dollars' worth of energy waste and millions of tons of carbon emissions. Reflecting the environmental benefits of the company's products, Power Integrations' stock is included in the NASDAQ® Clean Edge® Green Energy Index, The Cleantech Index®, and the Ardour Global IndexSM. For more information, including design-support tools and resources, please visit [www.powerint.com](http://www.powerint.com); visit Power Integrations' **Green Room** for a comprehensive guide to energy-efficiency standards around the world.

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## Media Contact

Power Integrations, Inc.

Peter Rogerson, 408-414-8573

[progerson@powerint.com](mailto:progerson@powerint.com)

or

## Press Agency Contact

BWW Communications

Nick Foot, 44 (0) 1491-636 393

**[nick.foot@bwwcomms.com](mailto:nick.foot@bwwcomms.com)**