

# LYTSwitch-1 LED Driver ICs From Power Integrations Reduce Complexity in Bulbs, Tubes and Ballasts up to 22 W

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High PF, low THD LED driver ICs set a new standard in efficiency

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq: **POWI**), the leader in high-efficiency, high-reliability LED driver ICs, today announced its **LYTSwitch™-1** single-stage, non-isolated, buck topology LED driver IC family. Featuring a very compact footprint, the IC enables the design of LED bulbs and tubes with high constant-current accuracy while using a minimum number of components. A novel driver algorithm ensures high power factor (PF) and low total harmonic distortion (THD) while maintaining very high efficiency.

This Smart News Release features multimedia. View the full release here:

<http://www.businesswire.com/news/home/20160608006434/en/>

LYTSwitch-1 LED driver ICs from Power Integrations reduce complexity in bulbs, tubes and ballasts up to 22 W. (Graphic: Business Wire)

Housed in a compact SO-8 package, **LYTSwitch-1** ICs are greater than 93% efficient with a

PF of over 0.9 and THD as low as 15%. Devices can be used in a low-side buck topology for reduced EMI or in a high-side buck topology which simplifies design. Delivering up to 22 W without a heatsink, the universal input (100 - 308 VAC) ICs incorporate a 725 V MOSFET for high reliability. Designers can make use of small, off-the-shelf inductors due to a unique peak current control algorithm. The new devices meet all applicable international standards including: DOE 6 (external power supply), CEC Title 20 and 24, ENERGY STAR® SSL, EN61000-3-2 (C) plus China and India standards.

Comments Hubie Notohamiprodjo, director of product marketing at Power Integrations: "Low system complexity

and high performance make **LYTSwitch-1** ICs ideal for both commercial and residential lighting applications. The low component count and compact size make these LED driver ICs easy to fit into space-challenged applications such as tube end caps, small form factor candles and GU10 bulbs, as well as low cost A19 and decorative-filament lamps.”

In common with all Power Integrations products, LYTSwitch-1 LED driver ICs have a host of protection features including thermal foldback with end-stop shutdown, short circuit protection, input and output OVP, overcurrent and SOA protection.

**LYTSwitch-1** IC samples are available now. Devices are priced at \$0.26 in 10,000-piece quantities. Reference design DER-548 is available for download now from the Power Integrations website at <https://www.power.com/lytswitch-1>.

## About Power Integrations

**Power Integrations, Inc.** is a leading innovator in semiconductor technologies for high-voltage power conversion. The company’s products are key building blocks in the clean-power ecosystem, enabling the generation of renewable energy as well as the efficient transmission and consumption of power in applications ranging from milliwatts to megawatts. For more information please visit [www.power.com](http://www.power.com).

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