

Power Integrations Introduces 75 W Single-Stage Driver for LED Lighting

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Combined PFC/CC converter chip raises efficiency of LED high-bay, parking-lot and street lamp drivers to over 92%

SAN JOSE, Calif.--(BUSINESS WIRE)-- **Power Integrations** (Nasdaq: **POWI**), maker of the world's most efficient, longest-lasting off-line LED driver ICs, today announced two new additions to its **LinkSwitch™-PH** IC family. The new devices allow commercial lighting applications up to 75 W to benefit from single-stage design, dramatically reducing BOM cost and enabling a smaller driver with very high efficiency.

LNK410EG (dimming) and LNK420EG (non-dimming) provide a constant-current output with a PF- corrected and low THD input. The capabilities of the new devices are showcased in **RDR-290**, a reference design describing a single-output driver for high-bay lighting.

RDR-290 is 92.2% efficient at 230 VAC for a 75 W output design while easily meeting EN61000-3-2 class C limits. Power factor is above 0.95. No primary high-voltage electrolytic bulk capacitor is required, making lifetimes of 50,000 hours practical, even in challenging outdoor environments and at high ambient temperatures.

Comments Andrew Smith, product marketing manager at **Power Integrations**: "By greatly increasing the power capability of single-stage conversion, the efficiency and longevity benefits of the single-stage approach can now be applied to industrial and commercial LED lighting - the market that most needs those characteristics."

RDR-290 is freely downloadable from the Power Integrations website at <http://www.powerint.com/sites/default/files/PDFFiles/rdr290.pdf>.

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; visit Power Integrations' **Green Room** for a comprehensive guide to energy-efficiency standards around the world.

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