12W LED Driver Targets Display Lighting

Phihong , a global leader in power and energy-efficient lighting solutions, has developed a series of 12W drivers for indoor LED lighting. Designated the PDA012A (for AC input of 220-277VAC) and PDA012B (for AC input of 100-120VAC), the 350mA constant-current driver operates at an output voltage range of 10~43VDC and is ideal for applications such as display lighting and strings of a few high-intensity bulbs.

"The lighting industry is moving towards very long-lasting, energy- and cost-efficient LED technology and this new series was designed to meet and exceed the life expectancy of the new lighting standard," said Keith Hopwood, vice president of marketing for Phihong USA. "With LED lifespans measured between 50K and 100K hours, drivers must meet or exceed the lifespan benchmark to not only cut energy costs, but reduce maintenance and replacement services."

The PDA012X series has an ingress protection of IP20, meaning that it is rated for indoor dry environments only, and its small, lightweight design enables it to be easily integrated into a variety of interior and architectural design projects.

The 12W driver is available in two models at each power level: a base model which has a lifespan measuring approximately 50,000 hours, and a higher reliability -H model which extends life to approximately 100,000 hours. The series features a wide operating temperature range with full functionality at -40°C to 50°C for full power and may be extended to 60°C with power no greater than 10W.

Standard features on the lighting power supply include over-voltage, over-current, short-circuit and open-circuit protections including brownout, brownout recovery. Additionally, the driver meets UL8750 and UL1310 and bears safety approval marks

for UL and CE.

The PDA012X series measures 132mm x 30mm x 22mm and weighs 150 grams. For more detailed information including product datasheets, please visit www.phihong.com/LED [1].

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[1] http://www.phihong.com/LED