

XP Power Extends Family of Miniature Board-Mounted LED Drivers



XP Power announced additions to its LDU series of PCB mount DC input constant current LED drivers. Comprising four models offering power outputs of 5, 7, 14 and 20 Watts, these highly efficient LED drivers have a typical efficiency of 93% for the 5 – 14 Watt models and 95% for the 20 Watt devices.

The LDU20 series provides up to 700 mA output current, and the LDU05, 07 and 14 series has a maximum output of 1000 mA. The drivers can accommodate a very wide range of input voltage from 7 – 30 VDC, which needs to be at least 2 V higher than the output.

Dimming options include two analog methods (voltage or resistance) and a pulse width modulation (PWM) input signal. The PWM approach has a maximum operating frequency of 1 kHz, with a minimum 200 ns on/off time. When using an analog dimming method the output current range can be adjusted from 25% to 100% of nominal current.

A remote on/off control input provides the designer the ability to control the output or sequence the start-up. All models provide protection in the event of a short or open circuit of the LED device.

The LDU series suit a broad range of indoor, outdoor, underwater and automotive LED lighting application and are also suitable for battery powered applications. Pricing starts at \$7.02 for 500 pc orders of the LDU05 5 W part. The LDU series is available from Newark or direct from XP Power and come with a 3 year warranty.

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For further information:

Duane Darrow, XP Power, 990 Benecia Avenue, Sunnyvale, CA 94085

Tel: (408)732-7777 Email: ddarrow@xppower.com [1]

Fax: (408)732-2002 Web: www.xppower.com [2]

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