

## 20Watt Buck/Boost Driver Supplies High Power LEDs from Low Power Sources

*Standard LED Drivers (Buck Topology) require the input voltage be higher than the output voltage. This may result in problems when working with the newest high power LEDs and powering them from low voltage sources like solar cells or batteries.*



Buck Driver solutions which must always have a higher input voltage than an output voltage; typically result in designs that require multiple drivers for multiple LED strings with lower forward voltages. This problem has been solved with the introduction of RECOM Lighting's Buck/Boost LED Driver which can deliver high voltages (up to 40V) from a low voltage source (as low as 8V), simplifying the lighting system with the use of a single driver and a long single string of LEDs.

The new RBD-12 series supplies LEDs from 3 to 20 watts with input voltages from 8 to 36V providing constant currents of 350mA or 500mA. The output voltage can be above or below the supply voltage by a factor 2 (500mA) or by a factor 3 (350mA), within the range from 2 to 40VDC. These new Buck/Boost Driver models are digital (PWM + Remote On/Off) and analog dimmable and cover the temperature range -40°C to +75°C. Dimensions are 32.6 x 16.6 x 11.1mm (L x W x H) and weigh only 13 grams!

Buck/Boost Drivers such as the RBD-12 series are ideal for mobile, solar and battery driven LED-systems for transport and traffic applications (*i.e. mobile homes, E-cars, street lighting, traffic signs, etc.*) as well as for use in marine and air traffic lighting – wherever universal, long life LED-supplies are a must.

### Other Specifications:

- Depending on application, drivers are supplied with lead wires or standard pins for PCB Mounting
- All converters are UL certified (EN 60950-1/UL 60950-1)
- 5 year warranty

Datasheets and additional information can be found on:

[www.recom-international.com](http://www.recom-international.com) alternatively [www.recom-lighting.com](http://www.recom-lighting.com)