

70W Buck Driver Powers Long LED Strings and Multi-Chip Arrays

The LED Lighting market is booming! Especially for LED strings and multi-chip arrays, the advance is enormous. The required input voltage for buck-drivers increases with the number of LEDs which have to be supplied with constant current. Currently, available models had a limit of approximately 40V.



However, Recom's new RCD-48 family changes all this! With input voltage up to 60VDC and constant current outputs of 350, 500, 700 and 1200mA offering device power rating up to 70W. This corresponds to 350W of conventional lighting power! The new buck-driver is ideal for operation with long LED chains and multi-chip arrays – a real technical achievement!

The RCD-48 drivers are dimmable down to zero with external digital (PWM) or analogue control. The PWM control input can be directly connected to a microcontroller. Efficiency is rated at 96%, with an operating temperature range -40°C and +85°C. The modules are available with pins for PCB mounting or with flying leads for non PCB applications. Whilst the powerful 1200mA version features a metal case, the smaller models are designed in plastic cases.

Other Specifications:

- Certified to EN/UL-60950-1
- The MTBF is specified at MIL-HDBK217F with 1.7 million hours
- 5 year warranty

Datasheets and additional information can be found on:

www.recom-international.com alternatively www.recom-lighting.com