

High Performance LED Drivers



LDO450

High Wattage Power Platform
LED 250-450W

- Micro Processor Configurable Feature Set
- >97% Efficiency
- Multi Volt 120-277V AC/DC
- High Power Factor
- 0-10V or Digital Dimming
- Full Output Control 0-100%
- 1-22 Channels - 1.4A at 8-24VDC
- Constant Current or Constant Voltage
- Customizable For Your Application
- Digitally Addressable via Wireless or RS-485
- Modular Architecture With Local Channel Control
- Robertson Patent Pending

 **Robertson** WORLDWIDE™
INNOVATIVE LIGHTING SOLUTIONS

ON, AND ON, AND ON



LED DRIVER

LD0450

Specifications

Performance:

Electrical

Load	250-450W
Constant Current/Constant Voltage	Programmable
Line Reactor Surge Protection	Yes
Over Current Protection/Short Circuit	Yes
EMI/RFI	FCC Part 18 Class B

Input

Input Voltage	120-277 VAC +/-10%
Input Frequency	50-60 Hz
Power Factor	98%
Inrush Current	<20A
Efficiency At Typical	96%
Input Output Isolation	Class I and Class II

Output

Output Voltage	300
Output Current per Channel	500-2200 mA
Output (Ripple)	<3%
THD	<10%
Maximum LEDS per Channel	limited by compliance voltage
Channel Count	1-20

Application:

Dimming type	0-10v
Dimming control range	0-100%
Control Interface:	DALI/Zigbee /PLC/0-10/DMXS12
Current Control Range	600:1
OS/Switch Device Compatible (Relay/ZCTriac/Other)	Yes
Operating Temperature Range	-30°C - 65°C
Case temperature	85°C Max
Vibration Spec	10-500 Hz 2 G'S, each axis

Safety & Certifications:

Standard Certifications:	UL& CSA
Thermal Protection	Yes
RoHS	No
WEEE	TBD
Warranty	5 Years

Options:

Power Indicator	Optional
Channel On Indicator	Optional
Fault Indicator(s)	Optional

Robertson Worldwide

13611 Thornton Road • Blue Island, IL • 1 800.323.5633 • Fax: 877.388.2420 • www.robertsonww.com
Specifications subject to change without notice.

Rev. 4/28/09