

LED Drivers

3 - 30 Watts



1-5W LED Driver

- 120V 50/60 Hz
- Normal Power Factor
- 100mA at 6-40VDC
- Constant Current



5-30W LED Driver

- Micro Processor Configurable Feature Set
- 100-135VAC/DC or 220-265VAC
- Normal or High Power Factor
- 100mA – 1.4A at 8-24VDC
- 0-10V or Digital Dimming
- Full output control 0-100%
- Constant Current or Constant Voltage
- Customizable For Your Application



 **Robertson** WORLDWIDE™
INNOVATIVE LIGHTING SOLUTIONS

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LED DRIVERS

Specifications

LD0005	LD0007	LD0030	LD0030
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Performance:

Electrical

Load	1-5W	7W	30W	30W
Constant Current/Constant Voltage	Constant Current	Constant Current	CC/CV Programmable	CC/CV Programmable
Line Surge Protection	Yes	Yes	Yes	Yes
Over Current Protection/Short Circuit	Yes	Yes	Yes	Yes
EMI/RFI	FCC Part 18 Class B	FCC Part 18 Class B	FCC Part 18 Class B	FCC Part 18 Class B

Input

Input Voltage	120VAC	120V	Two ranges 100-120V, 220-240V	100-120V
Input Frequency	50 or 60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Inrush Current	<10A	<10A	<10A	<20A
Power Factor	25%	25%	50%	90%
Efficiency	>80% @ 3W	> 85%	90% @ 30W	82% @ 12W
Input Output Isolation	No	No	Class II	Class II

Output

Output Voltage	6-48V	48V	5-24V 24-48V	8-24V
Output Current per Channel	100 mA	500 mA	100 to 1400 mA	100 to 1400 mA
Output (Ripple)	<5%	<5%	<3%	<3%
THD	20-25%	<30%	> 80%	< 12%
Maximum LEDS per channel	1	1	limited by wattage, output compliance voltage and space	
Channel Count	1	1	1	1

Application:

Dimming type	N/A	N/A	0-10v	0-10v
Dimming control range	N/A	N/A	0-100%	0-100%
Control Interface: (DALI/Zigbee /PLC/0-10/DMX512)	No	No	Yes	Yes
Current Control Range	N/A	N/A	100 : 1	600 : 1
OS/Switch Device Compatible (Relay/ZCTriac/Other)	TBD	TBD	YES	YES
Operating Temperature Range	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C
Case Temp	85°C Max	85°C Max	85°C Max	85°C Max
Vibration Spec	10-500 Hz 2 G's, each axis	10-500 Hz 2 G's, each axis	10-500 Hz 2 G's, each axis	10-500 Hz 2 G's, each axis

Safety:

Standard Certifications:	UL & CSA	UL & CSA	UL & CSA	UL & CSA
Thermal Protection	No	No	Yes	Yes
RoHS	No	No	No	No
WEEE	TBD	TBD	TBD	TBD
Warranty	2 Years	3 Years	5 Years	5 Years

Options:

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

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