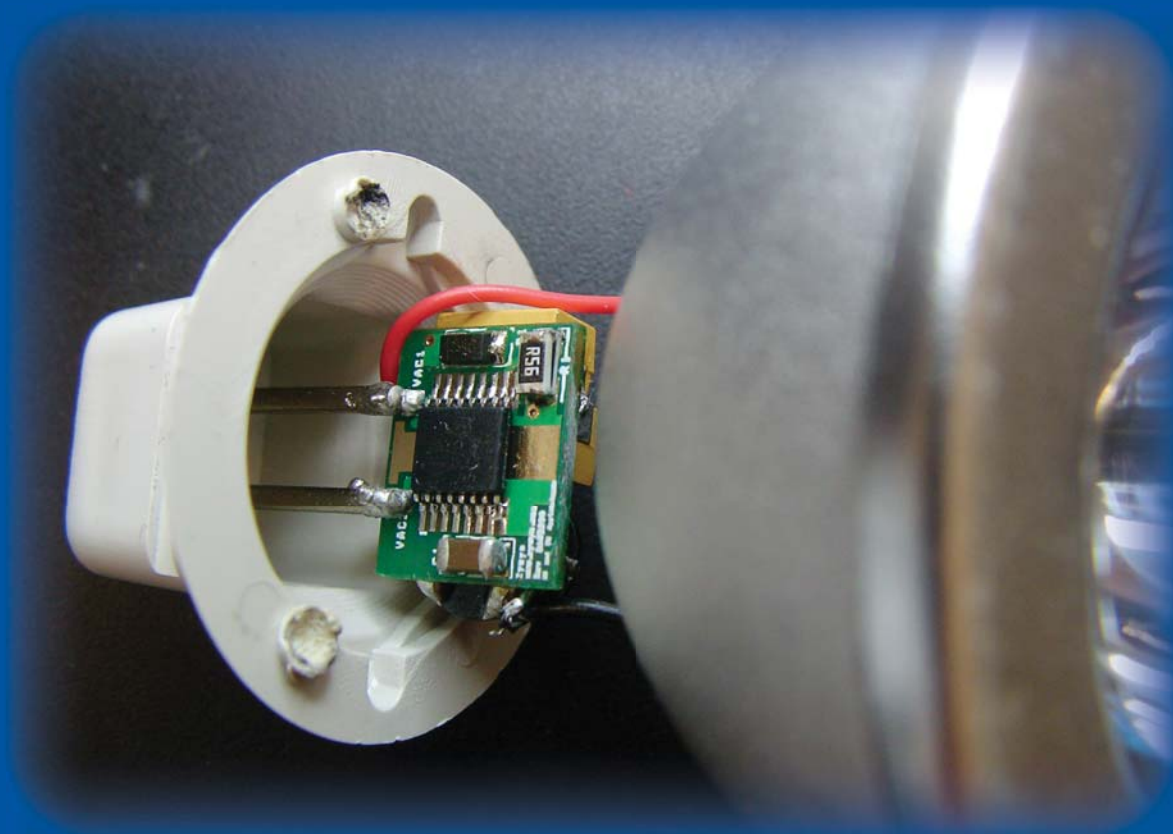


High Efficiency 1 Watt To 15 Watts AC-DC or DC-DC Constant Current LED Driver



***For Offline LED Lamps and Fixtures, Industrial Lighting,
Decorative MR16/MR11, Traffic, and Automotive Lighting***

- 4VAC~16VAC on VAC1/2 with up to 350mA current
- 5VDC~27VDC on VAC1/2 or HVCC/PGND with up to 800mA current
- 5V~16VDC on HVCC/PGND with up to 1.5A current
- Drives 1~5 High Power LEDs in series per string
- PWM or Analog Voltage Dimming Control
- Over-Temperature Thermal Protection
- Over-Voltage Circuit Protection
- Very Minimum External Components
- Thermally Enhanced 16-Pin Exposed TSSOP
RoHS Green Package

ZD850

1.5A High Power LED Driver



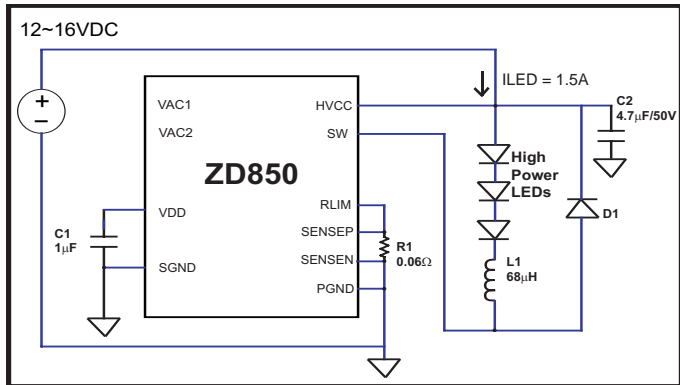
ZYWYN CORPORATION

www.zywyn.com

Typical Applications

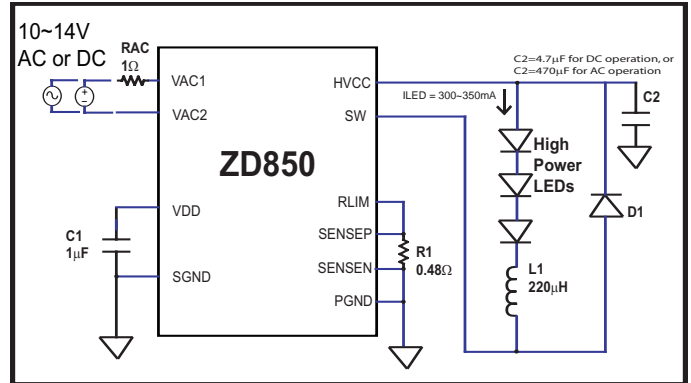
VDC to HVCC Input
For 1W~15W
Output Power
Using 350mA,
750mA, and 1.5A
Types of LEDs

# Of LEDs	Min HVCC (VDC)	Max HVCC (VDC)	ILED		
			350mA	800mA	1.5A
N = 1	4	9	✓	✓	✓
N = 2	7.5	16	✓	✓	✓
N = 3	10.5	20	✓	✓	✓
N = 4	14	26	✓	✓	
N = 5	17	27	✓	✓	



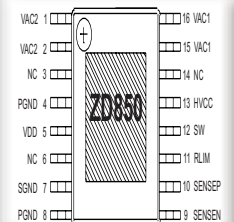
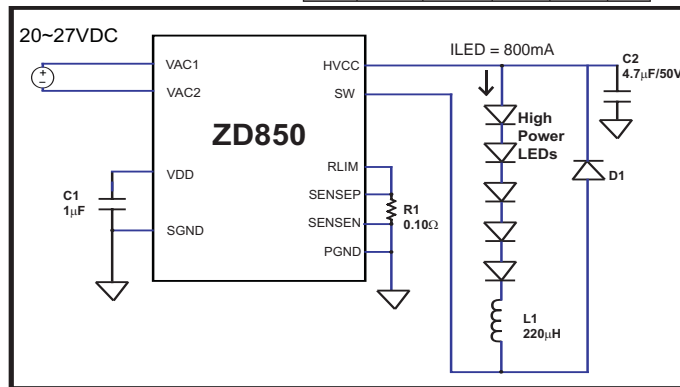
VAC/VDC-VAC Input
For 1W~3W
Output Power
Using 350mA
Type of LEDs

# Of LEDs	Min VAC (VAC)	Max VAC (VAC)	ILED		
			350mA	800mA	1.5A
N = 1	4	8	✓		
N = 2	7.5	12	✓		
N = 3	10.5	16	✓		



VDC to VAC Input
For 1W~13W
Output Power
Using 350mA
and 750mA
Types of LEDs

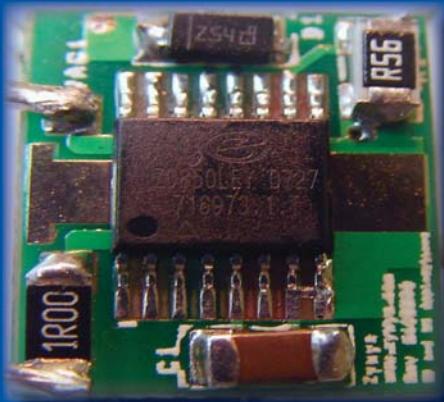
# Of LEDs	Min VAC (VDC)	Max VAC (VDC)	ILED		
			350mA	800mA	1.5A
N = 1	5	10	✓	✓	
N = 2	9	17	✓	✓	
N = 3	12	22	✓	✓	
N = 4	15	26	✓	✓	
N = 5	18	27	✓	✓	



Ordering Information

Part Number	Temperature Range	Package Type
ZD850LEY	-40°C to +85°C	16-EP TSSOP
ZD850EVB	n/a	Evaluation Board

0807



ZD850

1.5A High Power LED Driver



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