



**HAWYANG SEMICONDUCTOR CORP.**

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## MR16-C1

### High-Power LED Driver Module Specification

Design by :

Check by

App. by:

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## Product Specifications:

- Vin: AC 10-12V or DC 8-12V
- Constant Current Output, insure the LED use safety
- Compatible with Electronic Transformer Driver and Traditional Linear Transformer Driver
- Extended Operating Life, High Reliability
- Small Size (14mm\*20mm)
- Capable of driving a variety of colors high-power LED  
( 3 Series LED connection)



**HY-MR16-C1** Driver Module is designed specifically for the use of MR16 lamp socket structure for LED fixtures. It can be installed directly within the MR16 lamp socket structure, and capable of driving High-Power Led of approximately 1W ( $V_f=3.3V$  ;  $I=350mA$ ). Max connection of three 1W LED (3 serial). Driver structure is 14\*14mm and temperature rise is lower.



	Option	Parameter
Input	Working Voltage Range (V)	AC 10-12V / DC 8-12V
	Output Current (mA)	800mA Max
	Efficiency (%)	81% ( $V_{in}:DC12V$ $V_{out}:10V$ )
Output	Output Voltage (V)	DC 7V – 10V
	Constant Current & Accuracy (mA)	350mA $\pm$ 5%
	Inrush Current (mA)	500mA (100 $\mu$ s)
	Working Temperature (°C)	-10°C - +85°C
Others	Ambient Humidity (%)	20%-95%RH
	Outer Dimension (L x W) (mm)	20mm x 14mm
	Weight (g)	1.7g



## **Application Method :**

The following module consists of 4 terminals. Two Silver White pins is the input terminal with 12V AC current. Red/Black lines are for output, red line for connecting High-power LED positive charge, and black line for connecting High-Power LED negative charge.