

# Low Voltage Constant Current LED Driver

Product Code: SR312 (\*N)

Magnitude SR™ 12V Low Voltage drivers have an input voltage range of 9V – 15V and are available in versions outputting 350mA, 450mA or 700mA. In addition, we offer custom calibrations to meet your needs. Because of their advanced design, they output precise current and can be used in a wide range of fixtures powering a wide range of LEDs and is compatible with existing systems fitted with magnetic transformers.

Magnitude SR™ Series are dimmable with any standard TRIAC in-line dimmer. Their fully encapsulated form-factors are small enough for any size OEM fixture. They are ideal for Landscape Lighting, Path Lighting, Area Lighting and Spotlights. Packaged in an anodized aluminum case, they are designed for outdoor and wet environments.

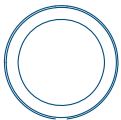
## Features

Dimmable with any standard MLV TRIAC Dimmer  
AC or DC 12V Input  
Wide voltage range 2-4 LEDs in series  
Super compact Aluminum case  
Withstands dry and damp conditions  
IP67

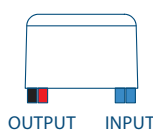
Class 2

\*Non-Stock Item

TOP VIEW



SIDE VIEW



INPUT

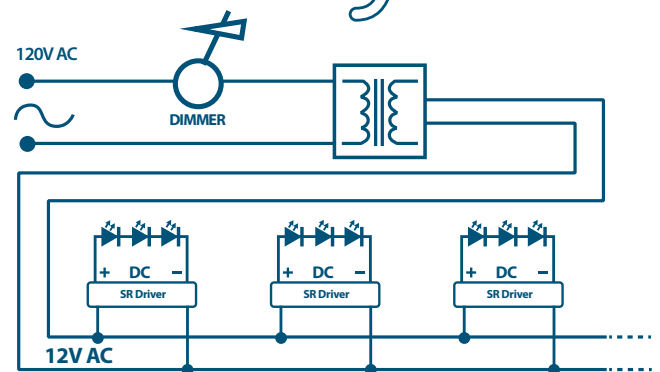
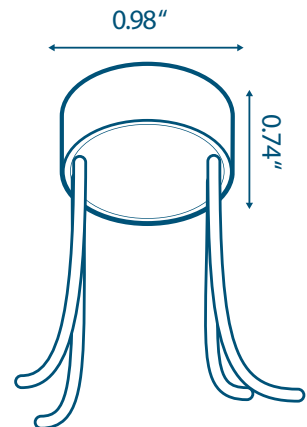
\* N Version

Opposite sides wiring option.

OUTPUT

## Specifications

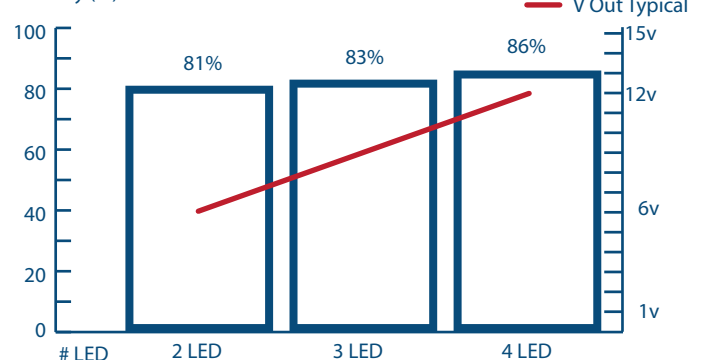
Output Power	4.9 W Max
Output Current	350 mA
# LED (typical)	2-4 (6-12V)
Input Voltage (nominal)	12 V AC / 12V DC
Input Voltage Min	9.5 V AC/DC
Input Voltage Max	15 V AC/DC
Operation Temp.	-30°C +70°C
Dimensions L*W*H	0.98 in. x 0.98 in. x 0.74 in.
Constant Current Accuracy	± 10%
Efficiency (Typical)	83%
Working Humidity	20~95%
Storage Temp.	-40~ +90°C
Max Case Operation Temp.	<70°C
Wire Gauge (in \ out)	18AWG \ 18AWG
Safety Standards	UL8750
EMC Immunity \ Emission	Compliance to FCC Part 15B



### Assembly Example



Efficiency (%)



The specifications are subject to change without notice

## Driver's Tc Point

