



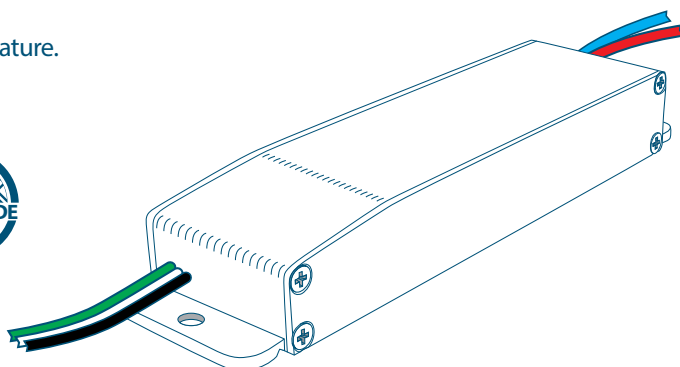
500mA Constant Current LED Drivers

Up to 22 Watt Triac Dimmable Class 2

Magnitude's Blue line offers class 2 dimmable drivers that directly feed high efficiency LEDs at an accurate, true constant current. The driver's compact, low profile allows designers to easily incorporate it into OEM products. Magnitude's Blue Line Constant Current drivers include short circuit, over-voltage, over-temperature protection. Installers will find the Blue drivers highly reliable, easy to use and simple to install.

Features

- Compatible with any standard TRIAC dimmer
- Protection for short circuits, over voltage and over temperature.
- Super compact ALUMINUM CASE
- Auto dimmer compensation
- Power factor 0.96 (TYP)
- Class 2
- IP 67
- UL 8750



Specifications

	Model Name	MCC- 12 - 0500	MCC- 22 - 0500
Output	Rated Power (Max)	12W	22W
	DC Voltage Range	12 - 24 V	22 - 45 V
	Startup ¹	400ms	400ms
	Overload Protection	yes	yes
	Over Voltage Protection	yes	yes
Input	Constant Current Accuracy ²	± 5%	± 5%
	Output Current	500mA	500mA
	Voltage Range	90AC - 135AC 60Hz	90AC - 135AC 60Hz
	Frequency Range	57Hz - 63Hz	57Hz - 63Hz
	Power Factor	> 0.9	> 0.9
General	Efficiency	> 76%	> 83%
	AC Current (Max)	0.3A / 120V	0.4A / 120V
	AC Inrush Current (Max)	25A / 120V	25A / 120V
	Leakage Current	< 0.5mA / 120V	< 0.5mA / 120V
	Dimensions (L*W*H) Inches	4.45 x 1.17 x 0.67	4.92 x 1.3 x 0.77
	Working Temp	-30°C +70°C	-30°C +70°C
	Working Humidity	20~95%	20~95%
	Storage Temp.	-40~ +80°C	-40~ +80°C
	Max Case Operation Temp.	>95°C	>95°C
	MTBF	200Khrs @ 50°C	200Khrs @ 50°C
	Wire Length	7"	7"
	Wire Gauge (in \ out)	18AWG \ 18AWG	18AWG \ 18AWG
	Safety Standards	UL8750	UL8750
	Withstand Voltage	I/P-O/P:3.75KVAC	I/P-O/P:3.75KVAC
	Isolation Resistance	I/P O/P:100Mohms/500VDC/25C	I/P O/P:100Mohms/500VDC/25C
	EMC Immunity \ Emission	Compliance to FCC Part 15B	Compliance to FCC Part 15B

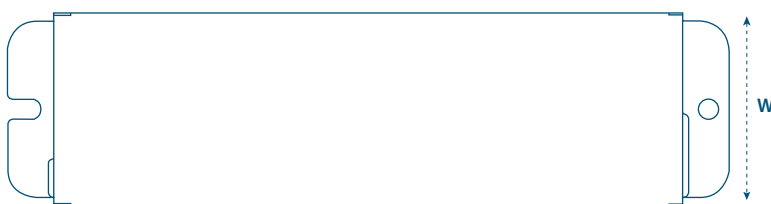
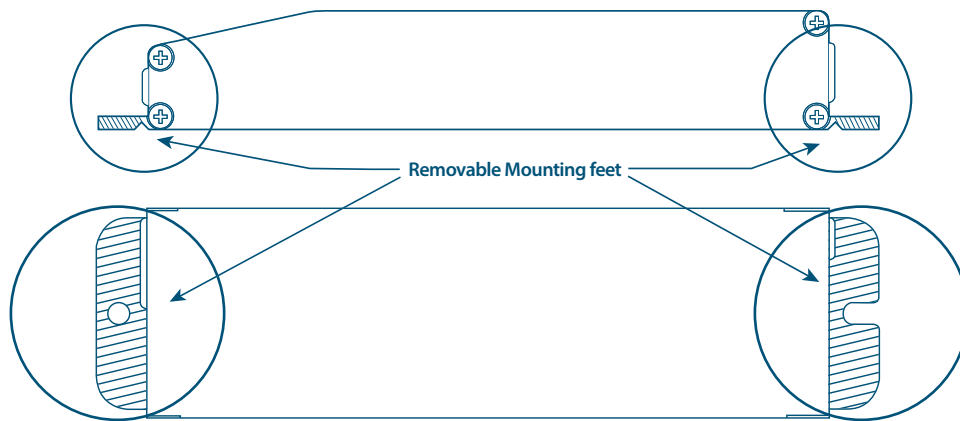
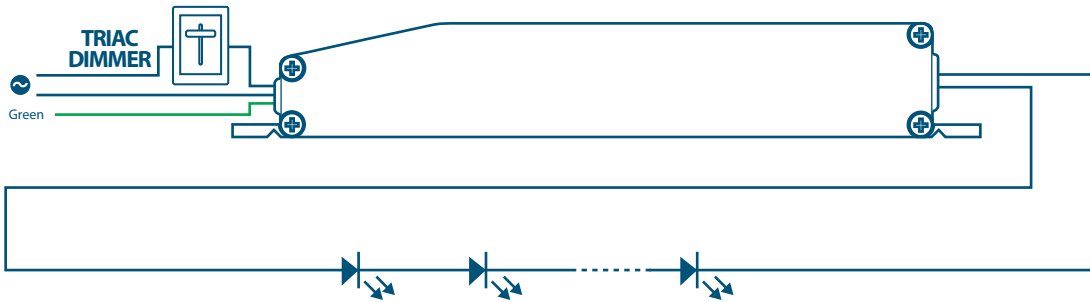
¹ May vary depending on dimmer setup time.

² Under maximum load

The specifications are subject to change without notice



Wiring Diagram



Model Name	Dimensions L \ W \ H
MCC- 12 - 0500	4.45 x 1.17 x 0.67
MCC- 22 - 0500	4.92 x 1.3 x 0.77

