



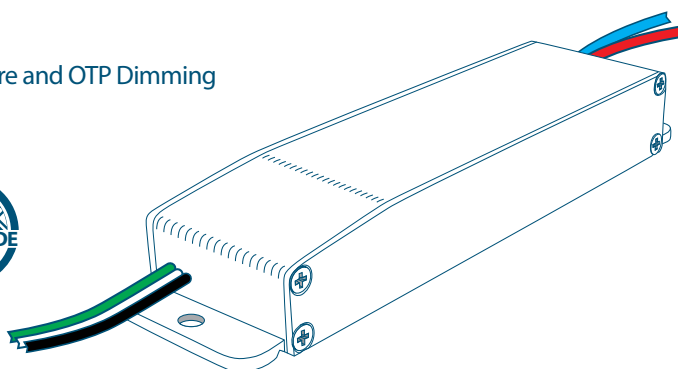
# 1050mA Constant Current LED Drivers

## Up to 26 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, over temperature and OTP Dimming
- Super compact ALUMINUM CASE
- Auto dimmer compensation
- Power factor 0.96 (TYP)
- Class 2
- IP 67
- UL 8750



## Specifications

|         | Model Name                             | MCC- 13 - 1050              | MCC- 26 - 1050              |
|---------|----------------------------------------|-----------------------------|-----------------------------|
| Output  | Rated Power (Max)                      | 13W                         | 26W                         |
|         | DC Voltage Range                       | 6 - 12.5V                   | 10 - 25 V                   |
|         | Startup <sup>1</sup>                   | 400ms                       | 400ms                       |
|         | Overload Protection                    | yes                         | yes                         |
|         | Over Voltage Protection                | yes                         | yes                         |
|         | Constant Current Accuracy <sup>2</sup> | ± 5%                        | ± 5%                        |
| Input   | Output Current                         | 1050mA                      | 1050mA                      |
|         | Voltage Range                          | 90AC - 135AC 60Hz           | 90AC - 135AC 60Hz           |
|         | Frequency Range                        | 57Hz - 63Hz                 | 57Hz - 63Hz                 |
|         | Power Factor                           | > 0.9                       | > 0.9                       |
|         | Efficiency                             | > 74%                       | > 83%                       |
|         | AC Current (Max)                       | 0.4A / 120V                 | 0.4A / 120V                 |
| General | 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            | IP-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  |

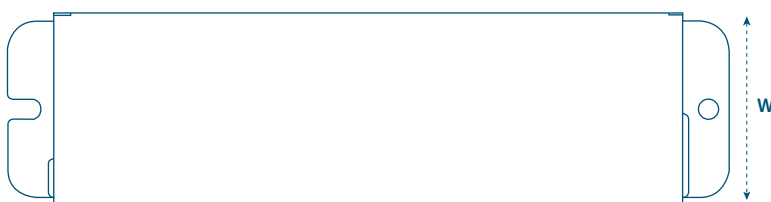
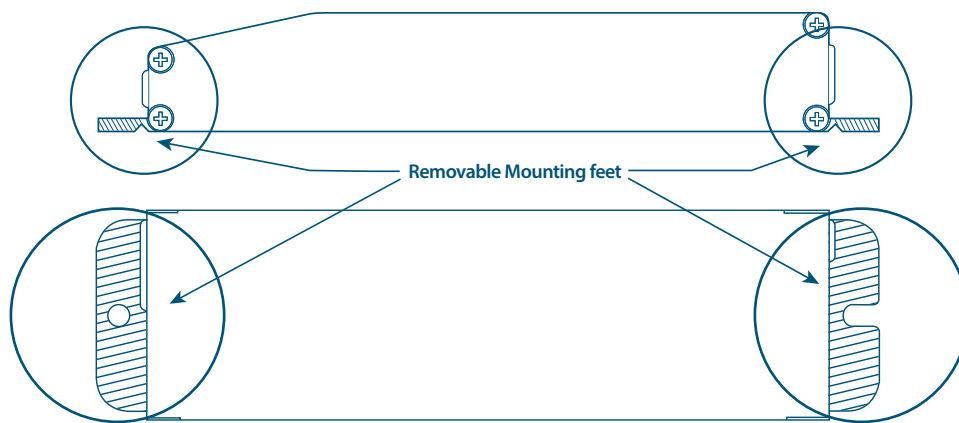
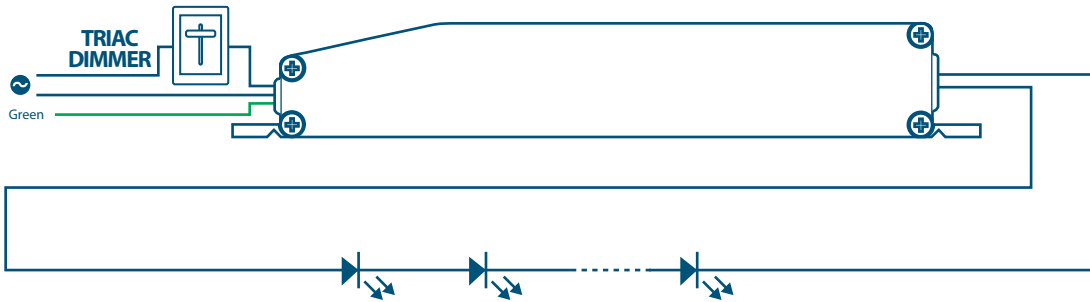
<sup>1</sup> May vary depending on dimmer setup time.

<sup>2</sup> Under maximum load

The specifications are subject to change without notice



## Wiring Diagram



| Model Name     | Dimensions L \ W \ H |
|----------------|----------------------|
| MCC- 13 - 1050 | 4.45 x 1.17 x 0.67   |
| MCC- 26 - 1050 | 4.92 x 1.3 x 0.77    |

