

# M-SERIES

## MAGNETIC DIMMABLE LED DRIVER



P/N: M100L12DC-AR

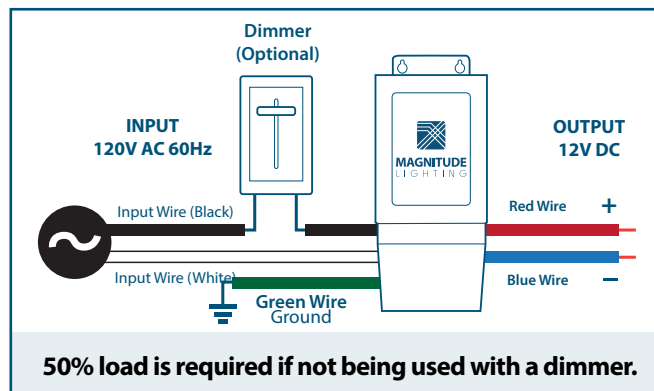


Magnitude's M100L12DC-AR is the most compact LED driver on the market with a magnetic transformer core. It is equipped with two auto-reset breakers, one on the input and one on the output, which protect both the load and driver. The driver is encased in a coated metal box that includes 2 knock-outs, to enable easy installation that complies with electrical code requirements.

### QUICK SPECS

| Input Voltage | Max Output Power | Output Voltage | Output Current | Efficiency @ Max Load | Power Factor @ Max. Load | Envir. Protection Rating | Weight |
|---------------|------------------|----------------|----------------|-----------------------|--------------------------|--------------------------|--------|
| 120VAC        | 100W             | 12VDC          | 10.76 A        | > 81%                 | > 0.93                   | NEMA 3R                  | 87oz   |

### WIRING DIAGRAM

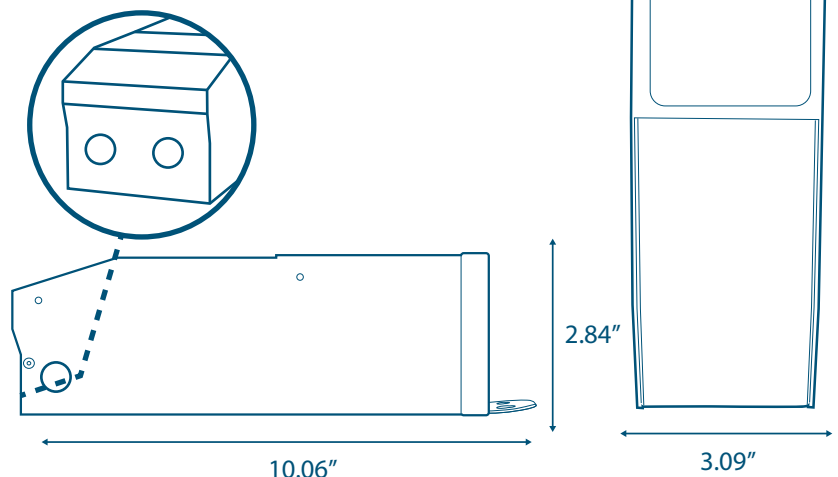


### FEATURES

- Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch
- Dual protection - primary and secondary auto-reset circuit breakers
- Nema 3R - Outdoor Use
- Four knock-outs
- ETL Listed
- Certified to CSA Standard

### ENCLOSURE DETAILS In. (mm)

|        |               |
|--------|---------------|
| Length | 10.06 (255.5) |
| Width  | 3.09 (78.5)   |
| Height | 2.84 (72.1)   |



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## MAGNETIC DIMMABLE LED DRIVER

### SPECIFICATIONS

#### Input

|                          |        |
|--------------------------|--------|
| Input Voltage            | 120VAC |
| Input Current @ Max Load | 1.33 A |
| Power Factor             | > 0.93 |
| Efficiency               | > 81%  |

#### Output

|                             |                       |
|-----------------------------|-----------------------|
| Max Load                    | 100W                  |
| Output Voltage              | 12.8 VDC @ Full Load  |
| Output Current @ Max Load   | 10.76 A               |
| Open Circuit Output Voltage | 12.8 VDC              |
| Coil Former                 | Double Section Bobbin |

#### Envrionmental

|  |                              |
|--|------------------------------|
| Operating Temperature                  | -30°C - 45°C (-22°F - 113°F) |
| Min Installation space between drivers | 5" Inch                      |
| Thermal Class                          | B130°C                       |

#### Protections

|                 |                                  |
|-----------------|----------------------------------|
| Circuit Breaker | Primary and secondary auto-reset |
|-----------------|----------------------------------|

#### Mechanical & Housing

|                  |                          |
|------------------|--------------------------|
| Leads Primary    | PVC 600V #18             |
| Leads Secondary  | PVC 300V #12             |
| Length           | 10.06" (255.5mm)         |
| Width            | 3.09" (78.5mm)           |
| Height           | 2.84" (72.1mm)           |
| Weight           | 87oz                     |
| Housing Material | Coated metal             |
| Housing Color    | Black                    |
| Junction Box     | Yes                      |
| Mounting         | Two Hole flange mounting |

#### Approval Markings

|                               |         |
|-------------------------------|---------|
| Certificates / Approval Signs | UL 8750 |
|-------------------------------|---------|

