

M-SERIES

MAGNETIC DIMMABLE LED DRIVER

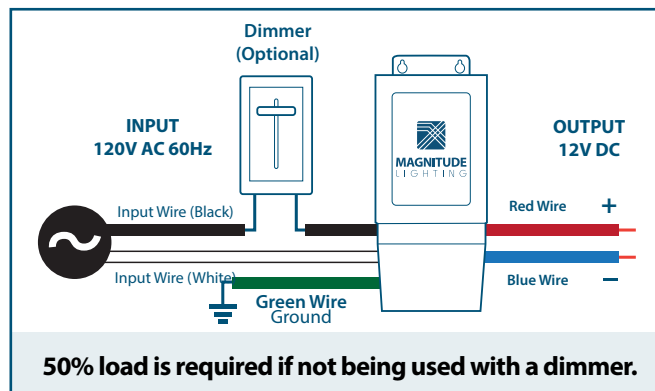
P/N: M100L12DC-AR


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

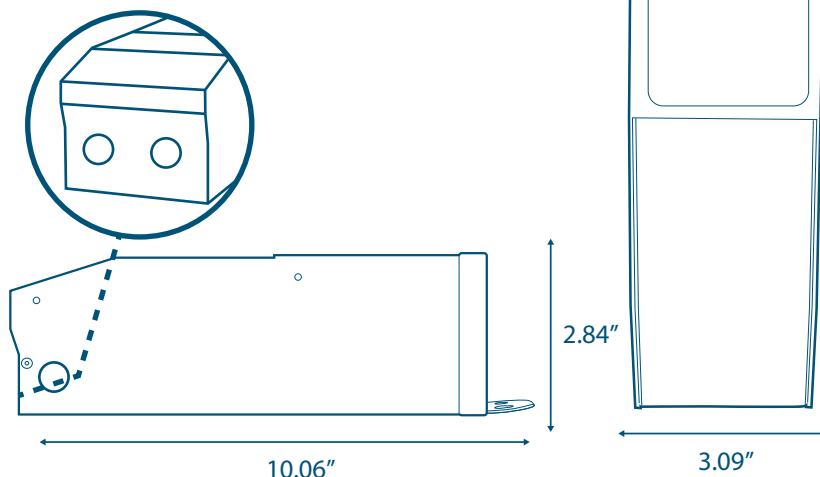


FEATURES

- Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch
- Dim down to 1%
- 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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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

Dimming

Minimum Dimming Level 1%

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

