

M-SERIES

MAGNETIC DIMMABLE CLASS 2 LED DRIVER

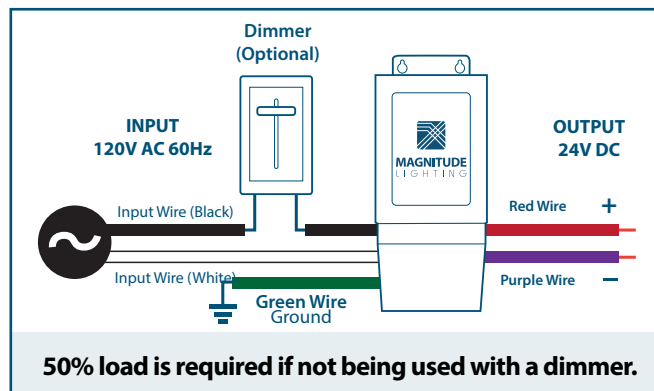


Magnitude's M20L24DC-AR is the most compact LED driver on the market with a magnetic transformer core. It is equipped with two auto-reset breakers, one on the input and one on the output, which protect both the load and driver. The driver is encased in a coated metal box that includes 2 knock-outs, one on each side, 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	20W	24VDC	0.97 A	> 76%	> 0.92	NEMA 3R	35oz

WIRING DIAGRAM

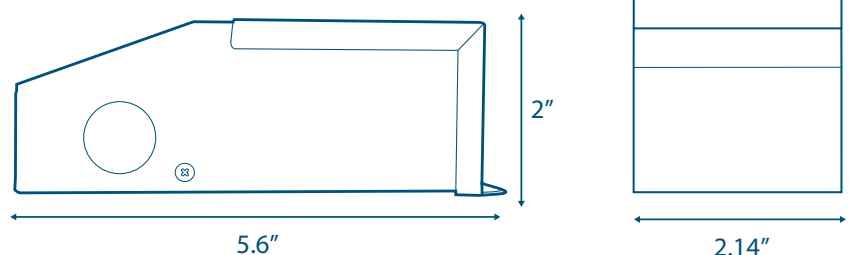


FEATURES

- 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
- Two knock-outs one on each side
- Class 2
- ETL Listed
- Certified to CSA Standard

ENCLOSURE DETAILS In. (mm)

Length	5.6 (142.2)
Width	2.14 (54.3)
Height	2 (50.8)



SPECIFICATIONS

Input

Input Voltage	120VAC
---------------	--------

Input Current @ Max Load	0.27 A
--------------------------	--------

Power Factor	> 0.92
--------------	--------

Efficiency	> 76%
------------	-------

Output

Max Load	20W
----------	-----

Output Voltage	23VDC @ Full Load
----------------	-------------------

Output Current @ Max Load	0.97 A
---------------------------	--------

Open Circuit Output Voltage	24.4VDC
-----------------------------	---------

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 #20
---------------	--------------

Leads Secondary	PVC 300V #16
-----------------	--------------

Length	5.6" (142.2mm)
--------	----------------

Width	2.14" (54.3mm)
-------	----------------

Height	2" (50.8mm)
--------	-------------

Weight	35oz (990grams)
--------	-----------------

Housing Material	Coated metal
------------------	--------------

Housing Color	Black
---------------	-------

Junction Box	Yes
--------------	-----

Mounting	Two Hole flange mounting
----------	--------------------------

Approval Markings

Certificates / Approval Signs	UL 8750, class 2
-------------------------------	------------------

MECHANICAL DIAGRAM

