

E-SERIES

VOLTAGE DIMMABLE CLASS 2 LED DRIVER


DIM DOWN TO 1%


CLASS 2



P/N: E20L12DC-KO

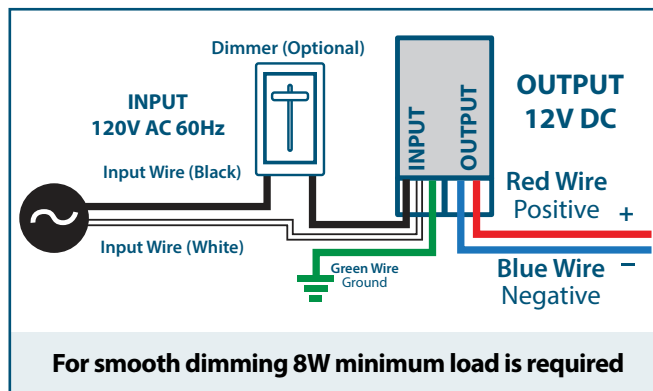


Magnitude's E20L12DC-KO dimmable voltage LED driver is class 2 rated and designed to operate with any standard MLV/Incandescent TRIAC (Leading edge) dimmer switch. Encased in a low profile aluminum enclosure that includes 2 knock-outs to enable easy installation makes it the perfect choice for under cabinet lights, tape lights and various LED fixtures installations. Our electrical specification includes Auto Reset, over current and short circuit protection. Efficiency of 90% and higher allows the driver to operate at low temperatures.

QUICK SPECS

Input Voltage	Max Output Power	Output Voltage	Max Output Current	Efficiency @ Max Load	THD @ Max. Load	Power Factor @ Max. Load	Envir. Protection Rating	Weight
120VAC	20W	12VDC	1.7 A	> 90%	< 20%	> 0.95	NEMA 3R	9oz / 255grams

WIRING DIAGRAM

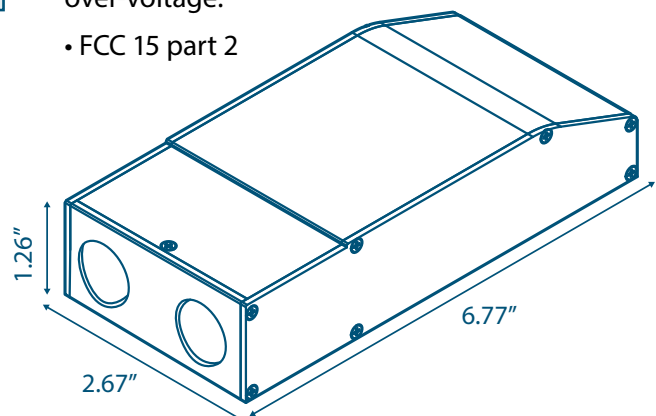


FEATURES

- Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch
- Dim down to 1%
- Super compact ALUMINUM CASE.
- Class 2
- UL 8750
- Nema 3R - Outdoor Use
- Auto-Reset Protection for short circuits & over-voltage.
- FCC 15 part 2

ENCLOSURE DETAILS In. (mm)

Length	6.77 (171.9)
Width	2.67 (67.8)
Height	1.26 (32)



E-SERIES VOLTAGE DIMMABLE CLASS 2 LED DRIVER

SPECIFICATIONS

Input

Input Voltage	120VAC
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Input Current @ Max Load	0.2A
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Power Factor	0.95
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Efficiency	> 90%
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Output

Max Load	20W
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Output Voltage	12VDC
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Output Current @ Max Load	1.7 A
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Envrionmental

Operating Ambient Temperature	-30°C - 50°C (-22°F - 122°F)
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Dimming

Minimum Dimming Level	1%
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Protections

Short Circuit Protection	Yes
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Overcurrent Protection	Yes
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Over Temperature	Yes
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Open Circuit Protections	Yes
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Mechanical & Housing

Input Wires (White \ Black)	18 AWG
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Output Wires (Red \ Black)	14 AWG
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Length	4.92" (171.9mm)
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Width	1.97" (67.8mm)
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Height	0.77" (32mm)
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Weight	17oz (481grams)
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Housing Material	Aluminium
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Housing Color	Black
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Junction Box	Yes
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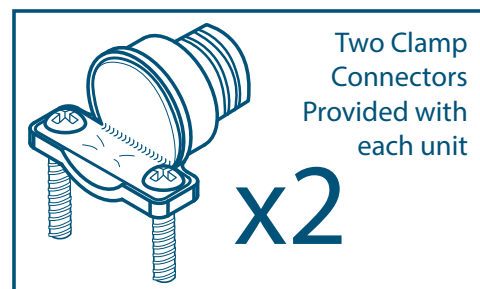
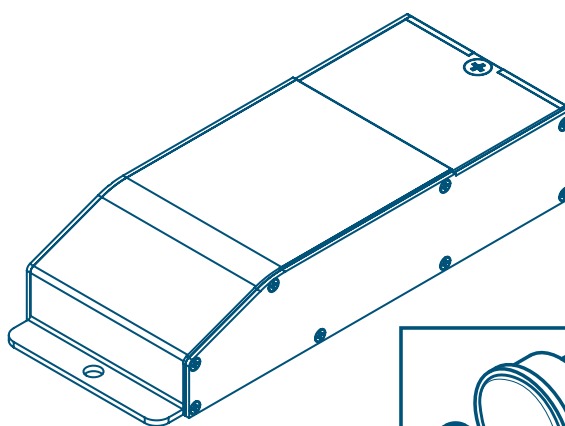
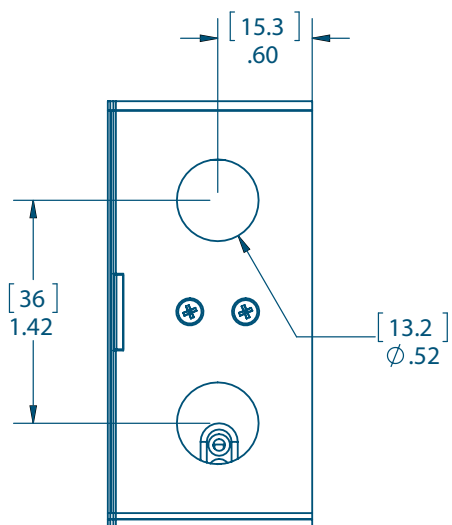
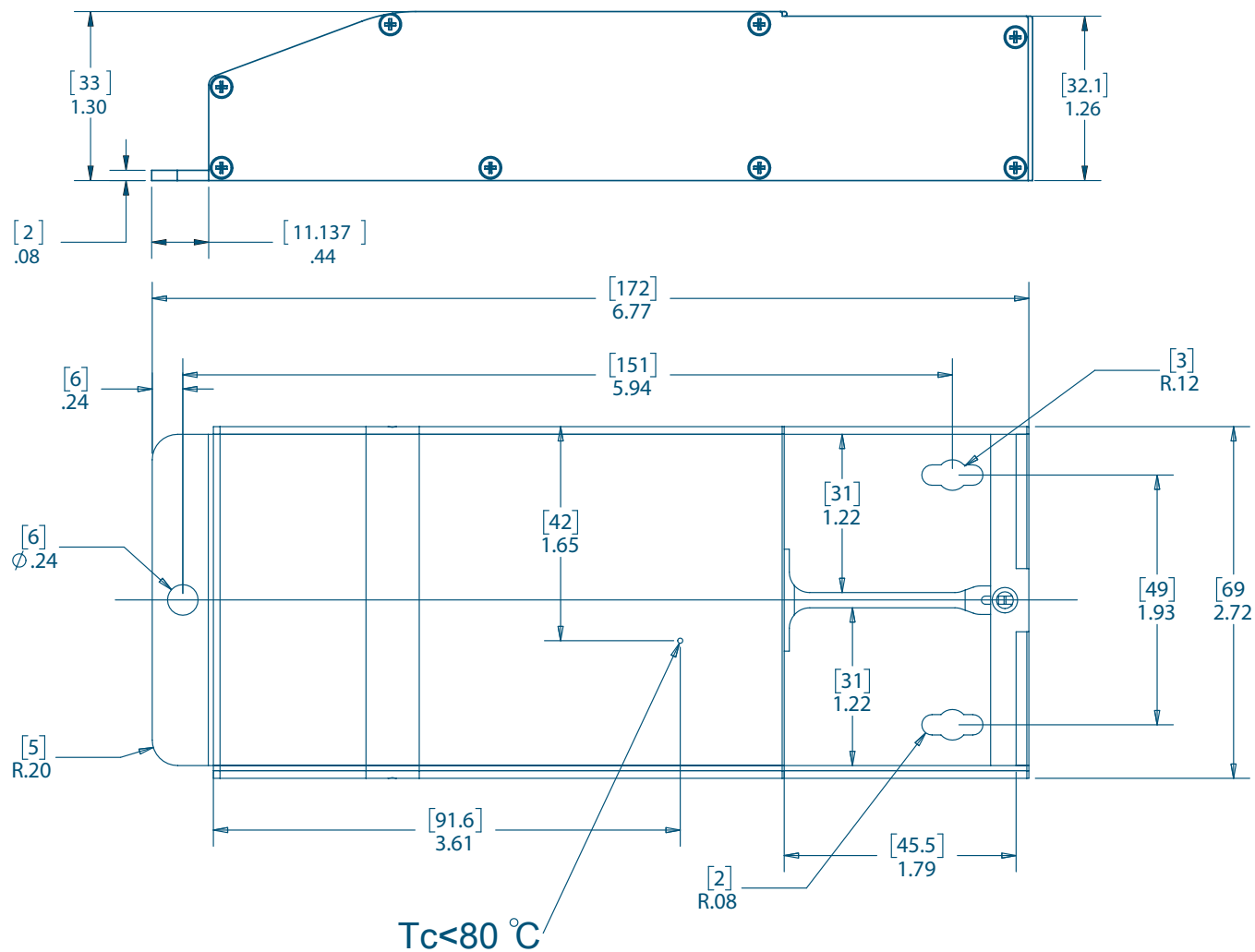
Mounting	Two Hole flange mounting
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Approval Markings

Certificates / Approval Signs	UL 8750, class 2
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MECHANICAL DIAGRAM



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