

# E-SERIES

## VOLTAGE DIMMABLE CLASS 2 LED DRIVER


**DIM DOWN TO 1%**


**CLASS 2**

**24V DC**

**P/N: E75L24DC-KO**

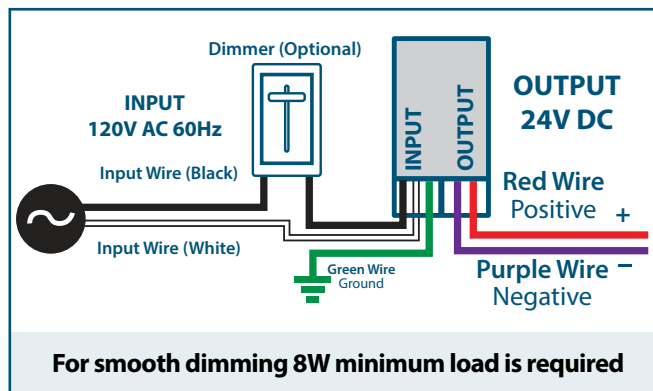


Magnitude's E75L24DC-KO dimmable voltage LED driver is class 2 rated and designed to operate with any standard MLV/Incandescent TRIAC (Leading edge) dimmer switch. Encased in a low profile aluminum enclosure that includes 2 knock-outs to enable easy installation makes it the perfect choice for under 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        | 75W              | 24VDC          | 3.3 A              | > 90%                 | < 20%           | > 0.95                   | NEMA 3R                  | 9oz / 255grams |

### WIRING DIAGRAM

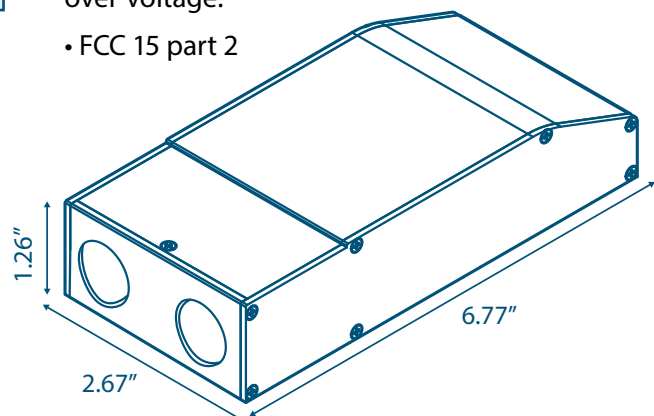


### FEATURES

- 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)    |



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## SPECIFICATIONS

### Input

|                          |        |
|--------------------------|--------|
| Input Voltage            | 120VAC |
| Input Current @ Max Load | 0.77 A |
| Power Factor             | 0.95   |
| Efficiency               | > 90%  |

### Output

|                           |       |
|---------------------------|-------|
| Max Load                  | 75W   |
| Output Voltage            | 24VDC |
| Output Current @ Max Load | 3.3 A |

### Envrionmental

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

### Dimming

|                       |    |
|-----------------------|----|
| Minimum Dimming Level | 1% |
|-----------------------|----|

### Protections

|                          |     |
|--------------------------|-----|
| Short Circuit Protection | Yes |
| Overcurrent Protection   | Yes |
| Over Temperature         | Yes |
| Open Circuit Protections | Yes |

### Mechanical & Housing

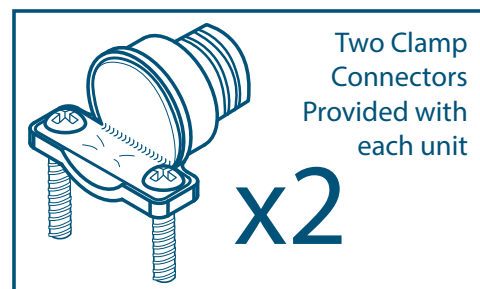
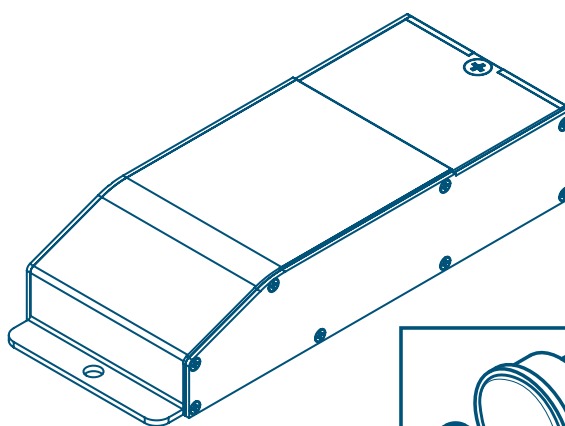
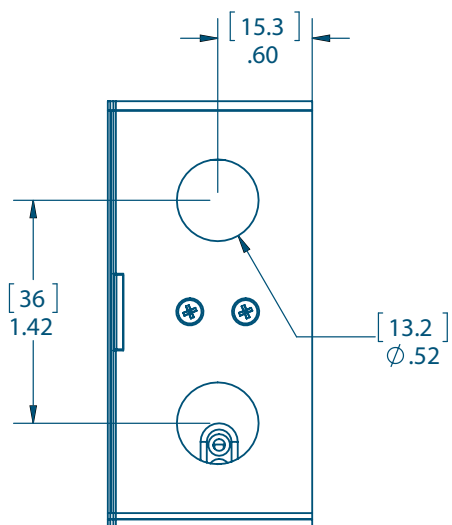
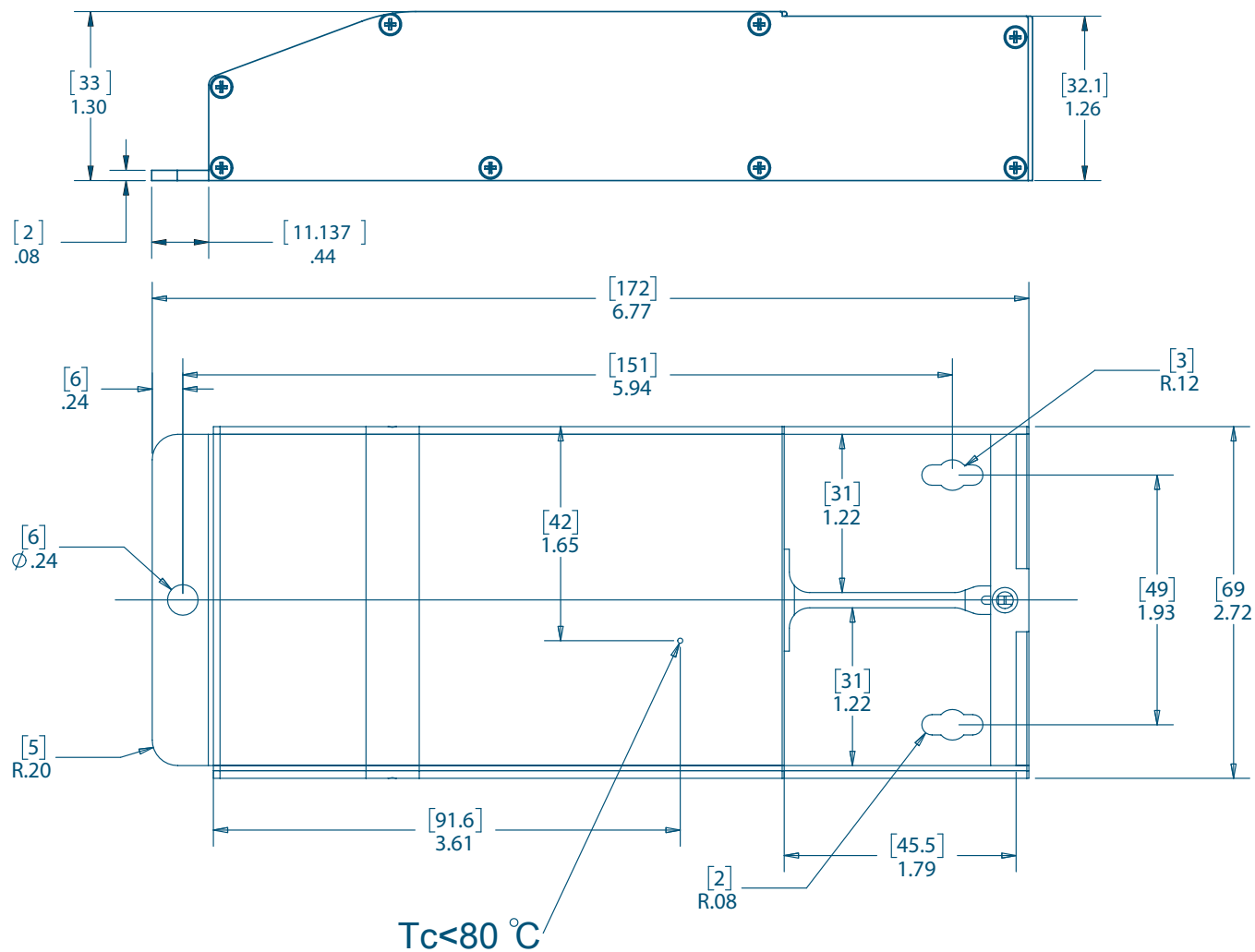
|                             |                          |
|-----------------------------|--------------------------|
| Input Wires (White \ Black) | 18 AWG                   |
| Output Wires (Red \ Black)  | 14 AWG                   |
| Length                      | 4.92" (171.9mm)          |
| Width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

### Approval Markings

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

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## MECHANICAL DIAGRAM



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