Beulux Code: FPD20IP67

MAGNITUDE LIGHTING

DIMMABLE — DIM DOWN TO 1%

c UL us E465183 — CLASS 2 — 24V DC

# E-SERIES

## VOLTAGE DIMMABLE CLASS 2 LED DRIVER

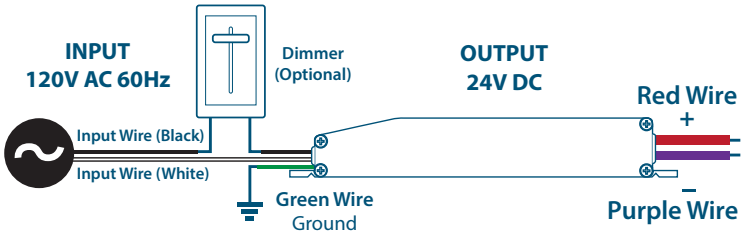
P/N: E20R24DC

Magnitude's E20R24DC dimmable voltage LED driver is class 2 rated and designed to operate with any standard MLV/Incandescent TRIAC (Leading edge) dimmer switch. The driver's low profile aluminum case 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 | 24VDC | 0.87A | > 90% | < 20% | > 0.95 | IP67 | 9oz / 255grams |

## WIRING DIAGRAM



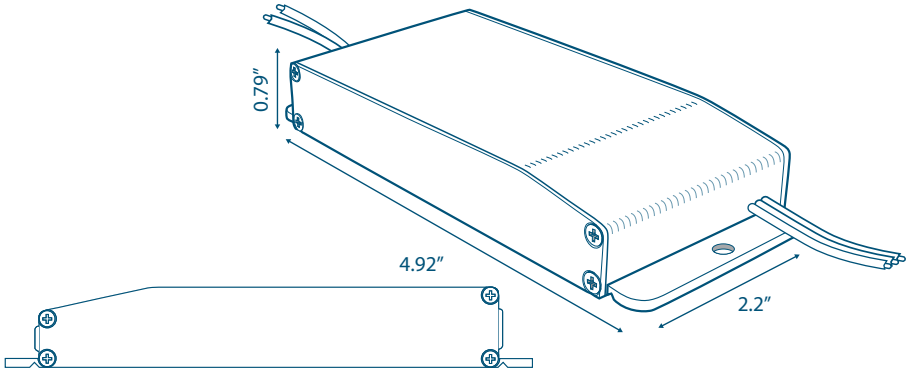

**For smooth dimming 8W minimum load is required**

## FEATURES

- Dimmable with any standard MLV/Incandescent TRIAC- (Leading edge) dimmer switch
- Dim down to 1%
- Super compact ALUMINUM CASE.
- Class 2
- UL 8750
- IP67 - Withstands wet and salty conditions.
- Auto-Reset Protection for short circuits & over-voltage.
- FCC 15 part 2

## ENCLOSURE DETAILS In. (mm)

| | |
|---|---|
| Length | 4.92 (125) |
| Width | 2.2 (56) |
| Height | 0.79 (20) |



# E-SERIES VOLTAGE DIMMABLE CLASS 2 LED DRIVER

## SPECIFICATIONS

| | |
|---|---|
| **Input** | |
| Input Voltage | 120VAC |
| Input Current @ Max Load | 0.2 A |
| Power Factor | 0.95 |
| Efficiency | > 90% |
| **Output** | |
| Max Load | 20W |
| Output Voltage | 24VDC |
| Output Current @ Max Load | 0.87 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" (125mm) |
| Width | 2.2" (56mm) |
| Height | 0.79" (20mm) |
| Weight | 9oz (255grams) |
| Housing Material | Anodized Aluminium |
| Housing Color | Blue |
| Junction Box | No |
| Mounting | Two Hole flange mounting |
| **Approval Markings** | |
| Certificates / Approval Signs | UL 8750, class 2 |

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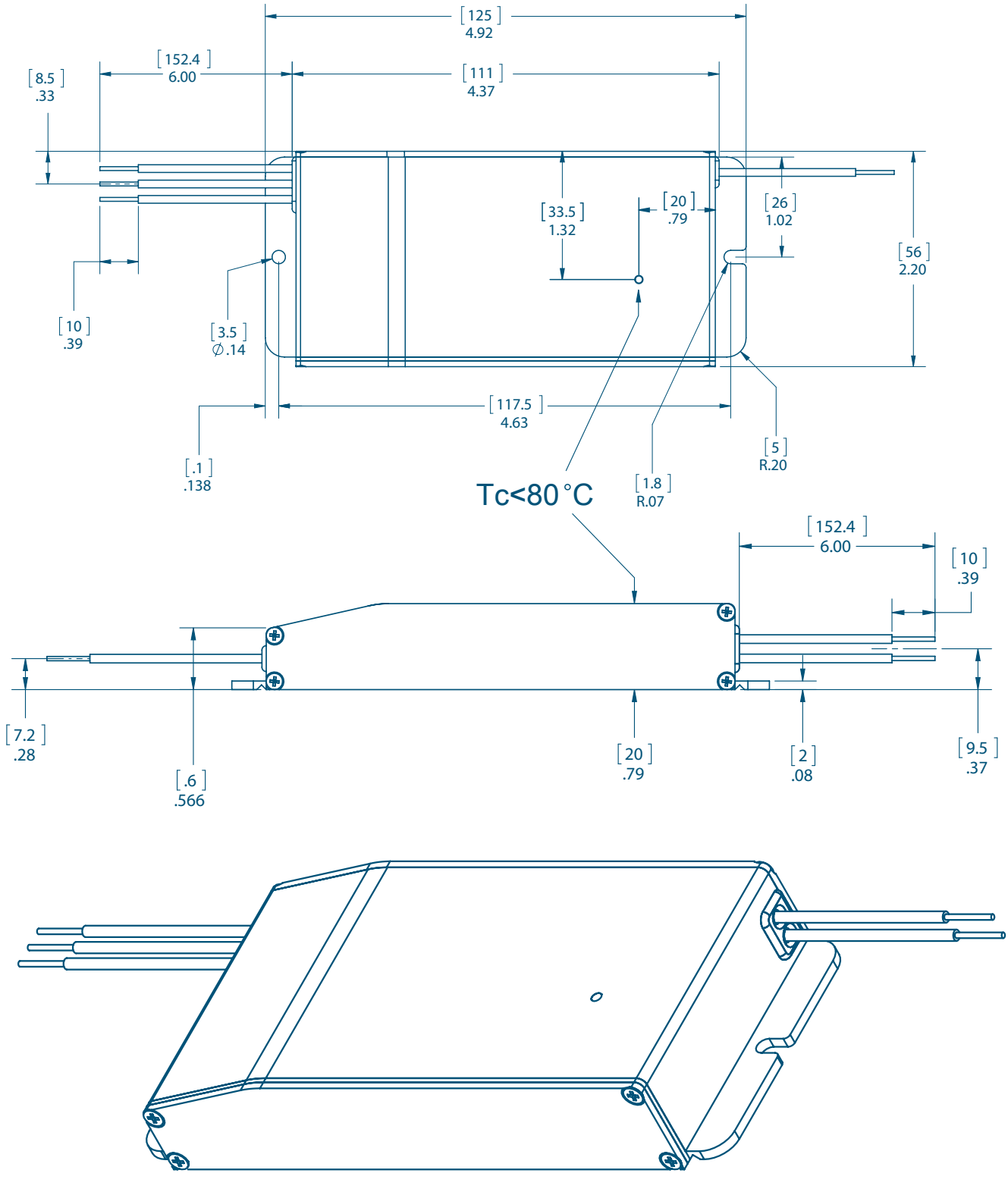
## MECHANICAL DIAGRAM



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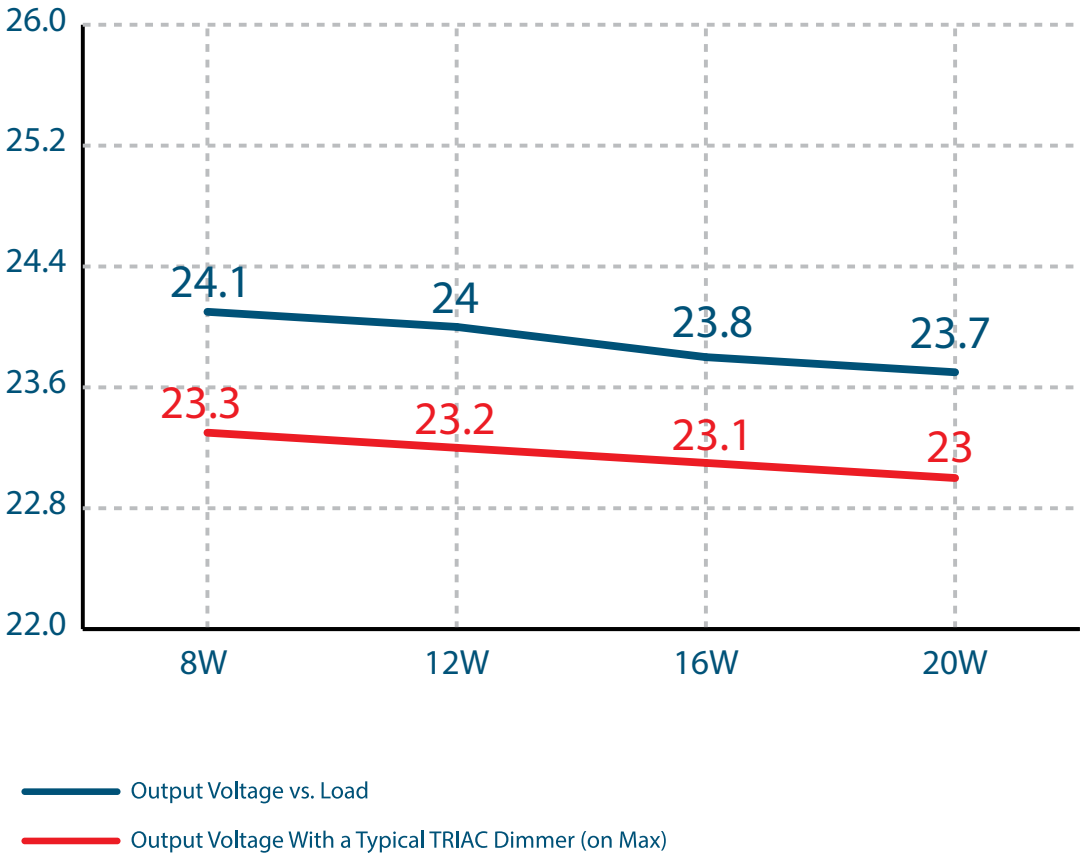




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The specifications are subject to change without notice



WE DRIVE LIGHT