Customer Service
Phone: (714) 312-5080
Fax: (714) 312-5070
E-mail: CustomerCare@magnitudeinc.com

E-Series Recognized

Constant Voltage Electronic Phase-Dimmable LED Driver

Specification Sheet

The **E-Series Recognized** is an electronic Class 2 dimmable LED driver with an extremely compact low-profile aluminum case, making it the perfect choice for under-cabinet lighting, kick/cove lighting, mirror lighting, and multiple other residential and commercial lighting applications. The driver features auto reset, over current and short circuit protection, as well as an efficiency of over 90% resulting in low operating case temperature. The product line is phase-dimmable down to 1% with leading edge TRIAC dimmers.

IP67 | 120VAC | CLASS 2 | 12 / 24VDC | RoHS Compliant | DIM DOWN TO 1% | DIMMABLE

Installation: Wire leads
Driver Types: Class 2, Single Channel
Dimming: Phase-dimmable down to 1% with leading edge TRIAC dimmer
Input Voltage: 120VAC, 50/60Hz
Output Voltage: 12VDC or 24VDC
Environmental: Wet location
Listing: UL Recognized
Certifications: UL 8750, CSA C22.2 No. 250 13-14
Component Signage Listing Certification: UL 879 | CSA C22.2 No. 207-M89
Warranty: 5 year

E-Series is also available in:

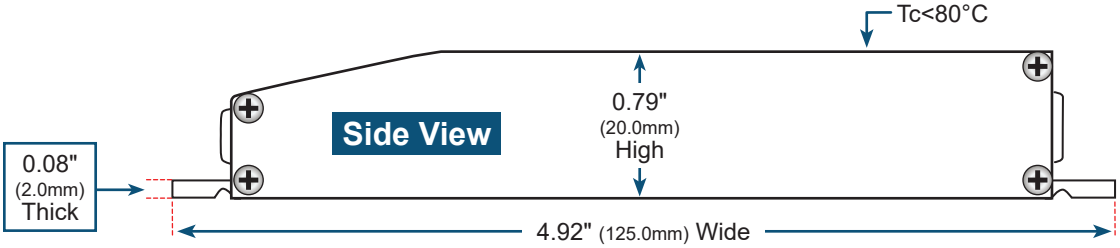
- E-Series UL Listed
- EZJ-Box
- JB-Series

Please refer to magnitudeinc.com for more information.

ORDERING GUIDE

Type	Max Power	Listing	Output
E-Series Recognized	20 – 20W	R – UL Recognized Enclosure	12DC –12VDC
	40 – 40W		24DC – 24VDC
	60 – 60W		
	75[1] – 75W		
	96[1] – 96W		

[1]24VDC Only



DIMENSIONS

Length	4.92" (125.0mm)
Width	2.20" (56.0mm)
Height	0.79" (20.0mm)

E-Series Recognized

Constant Voltage Electronic Phase-Dimmable LED Driver

Specification Sheet

Customer Service
Phone: (714) 312-5080
Fax: (714) 312-5070
E-mail: CustomerCare@magnitudeinc.com

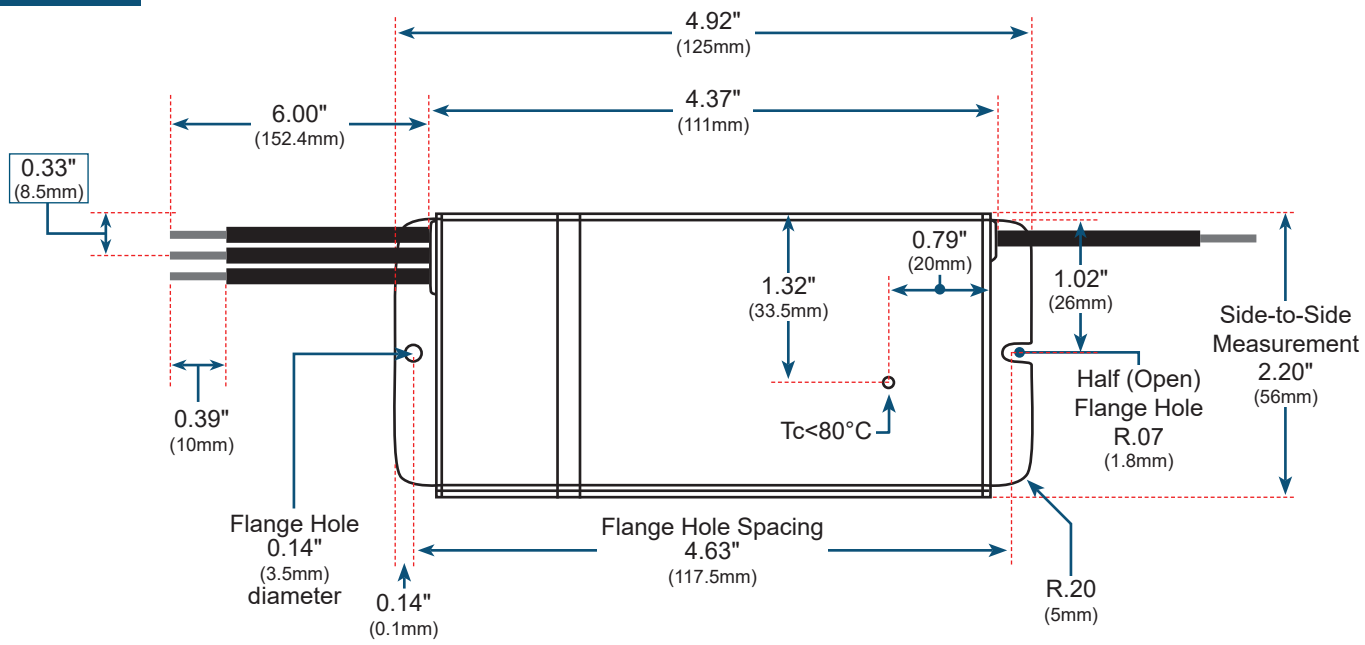
SPECIFICATIONS

INPUT	20W	40W	60W	75W	96W
Input Voltage Range	120VAC ± 10%	120VAC ± 10%	120VAC ± 10%	120VAC ± 10%	120VAC ± 10%
Input Frequency	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz
Input Current (12VDC)	0.20A@120VAC	0.41A@120VAC	0.61A@120VAC	0.72A@120VAC	0.85A@120VAC
Input Current (24VDC)	0.20A@120VAC	0.41A@120VAC	0.61A@120VAC	0.72A@120VAC	0.85A@120VAC
Efficiency	> 90% (12VDC) > 90% (24VDC)	> 90% (12VDC) > 90% (24VDC)	> 90% (12VDC) > 90% (24VDC)	> 90%	> 90%
Power Factor	0.95	0.95	0.95	0.95	0.95
OUTPUT					
Maximum Load	20W	40W	60W	75W	96W
Minimum Load	8W	8W	8W	8W	8W
Output Voltage @ Max. Load	12.0 VDC 24.0 VDC	12.0 VDC 24.0 VDC	12.0 VDC 24.0 VDC	24.0 VDC	24.0 VDC
Output Current @ Max. Load	1.7A (12VDC) 0.90A (24VDC)	3.50A (12 VDC) 1.75A (24VDC)	5.00A (12VDC) 2.63A (24VDC)	3.3A	4.16A
ENVIRONMENTAL					
Maximum Ambient Temp.	-30°C - +40°C (-22°F - 104°F)				
DIMMING					
Minimum Dimming Level	1%	1%	1%	1%	1%
PROTECTION					
Circuit Breaker	Short circuit & over-voltage auto-reset				
MECHANICAL HOUSING					
Primary Leads	18AWG	18AWG	18AWG	18AWG	18AWG
Secondary Leads	14AWG	14AWG	14AWG	14AWG	14AWG
Length	4.92" (125.0mm)	4.92" (125.0mm)	4.92" (125.0mm)	4.92" (125.0mm)	4.92" (125.0mm)
Width	2.20" (56.0mm)	2.20" (56.0mm)	2.20" (56.0mm)	2.20" (56.0mm)	2.20" (56.0mm)
Height	0.79" (20.0mm)	0.79" (20.0mm)	0.79" (20.0mm)	0.79" (20.0mm)	0.79" (20.0mm)
Weight	9 oz. (255g)	9 oz. (255g)	9 oz. (255g)	9 oz. (255g)	9 oz. (255g)
Housing Material	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum	Anodized Aluminum
Housing Ciolor	Blue	Blue	Blue	Blue	Blue
Junction Box	No	No	No	No	No
Mounting	One hole flange mount and one half-hole flange mount.				
APPROVAL MARKINGS					
Certifications/Approval Signs	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2

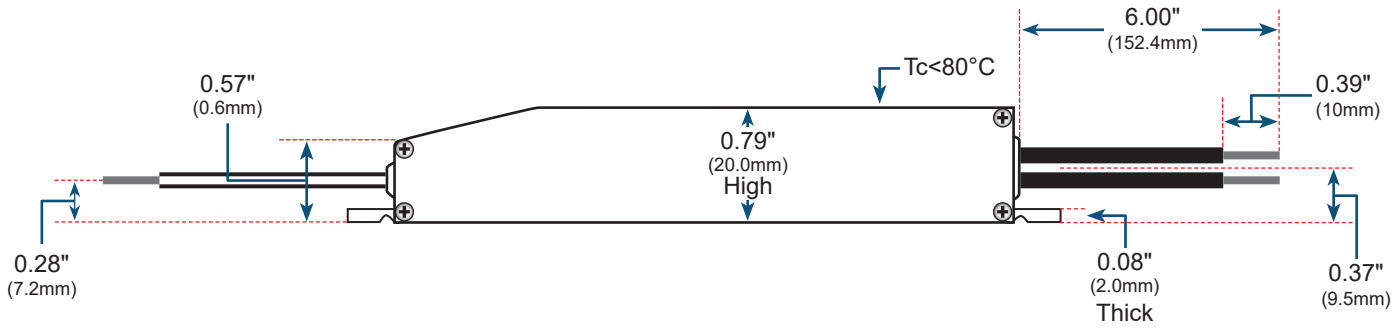
Customer Service
Phone: (714) 312-5080
Fax: (714) 312-5070
E-mail: CustomerCare@magnitudeinc.com

MECHANICAL DIAGRAMS

TOP VIEW



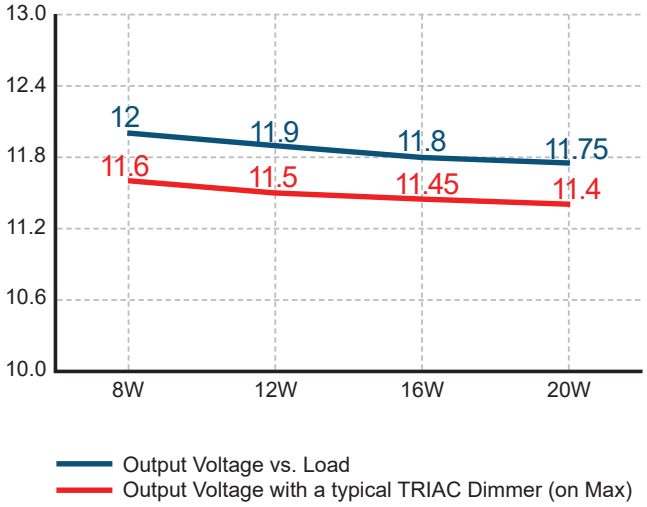
SIDE VIEW



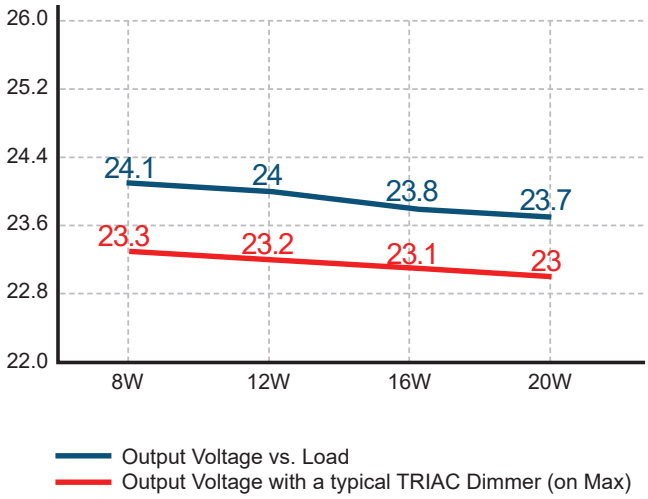
Customer Service
Phone: (714) 312-5080
Fax: (714) 312-5070
E-mail: CustomerCare@magnitudeinc.com

LOAD REGULATION (20 & 40W)

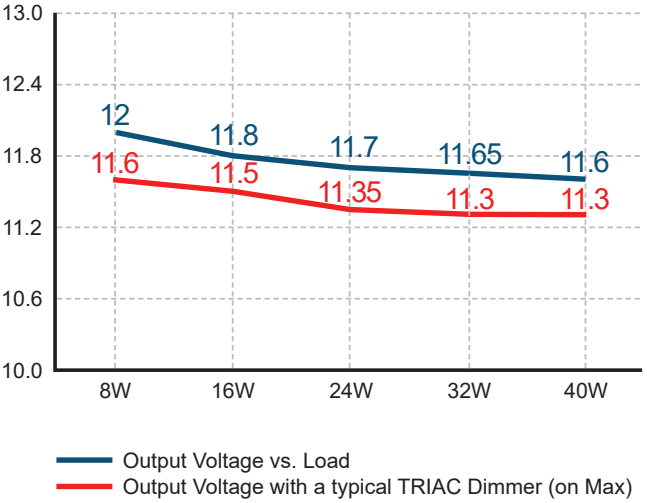
20W (12VDC)



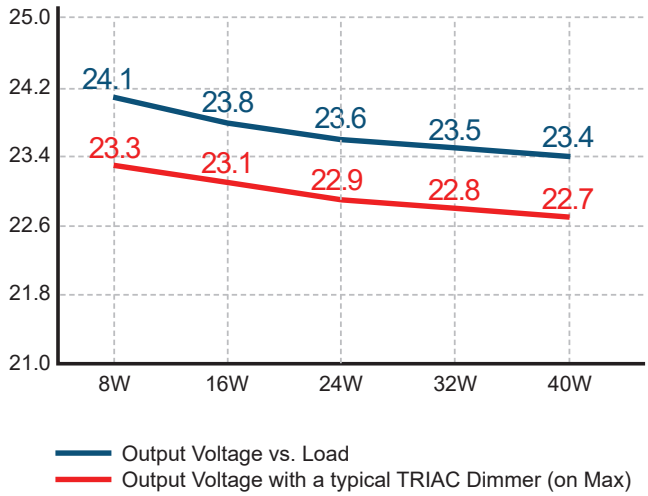
20W (12VDC)



40W (12VDC)



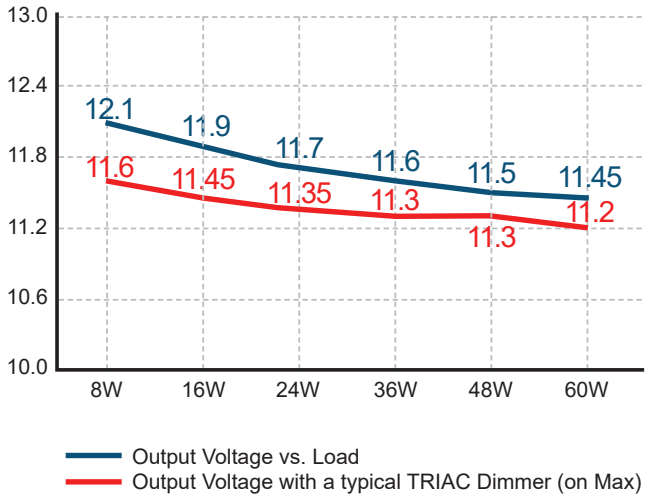
40W (24VDC)



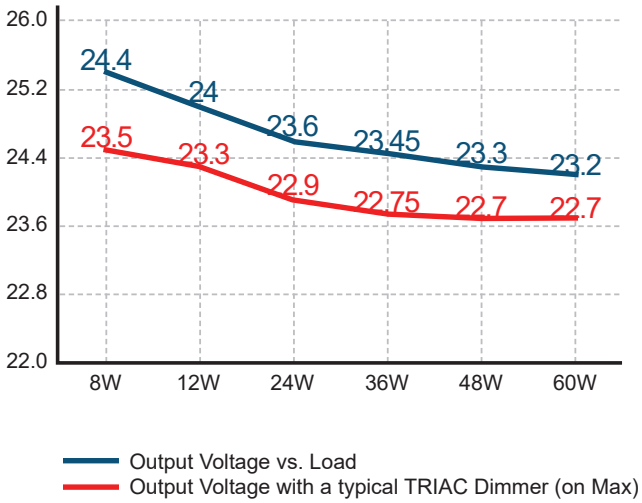
Customer Service
Phone: (714) 312-5080
Fax: (714) 312-5070
E-mail: CustomerCare@magnitudeinc.com

LOAD REGULATION (60, 75 & 96W)

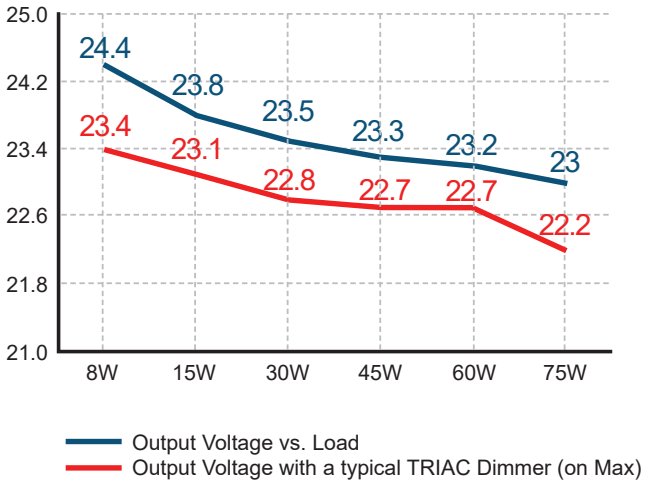
60W (12VDC)



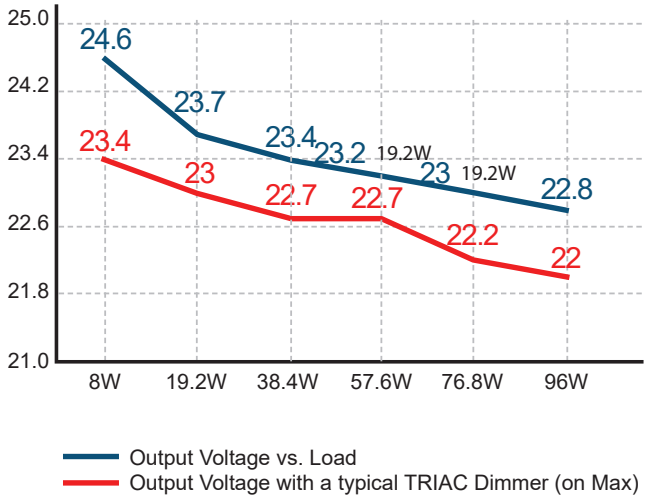
60W (24VDC)



75W (24VDC)



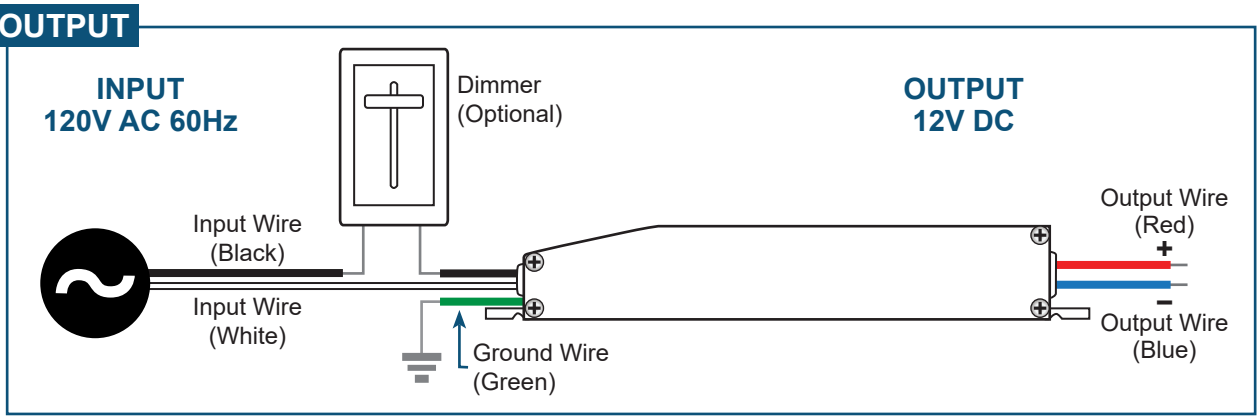
96W (24VDC)



Customer Service
Phone: (714) 312-5080
Fax: (714) 312-5070
E-mail: CustomerCare@magnitudeinc.com

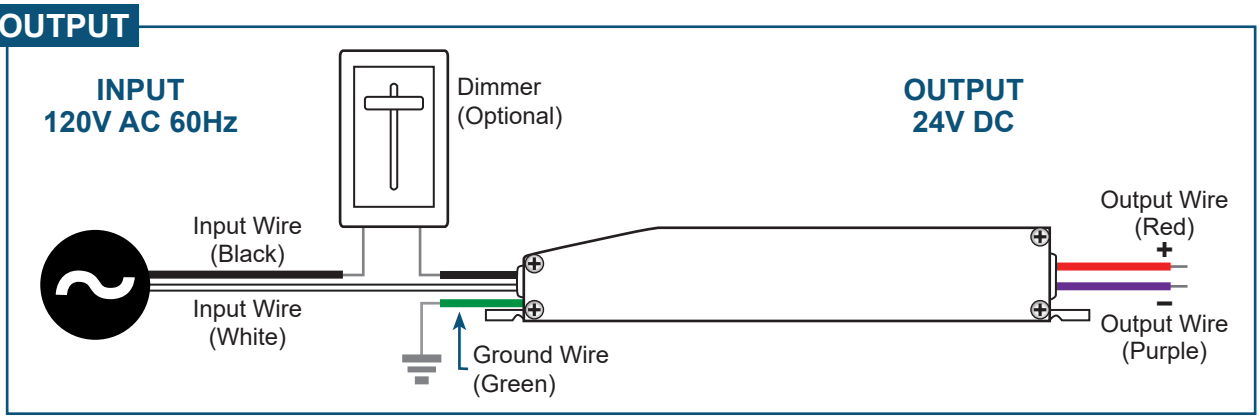
WIRING DIAGRAMS

12VDC OUTPUT



For smooth dimming, 8W minimum load is required.

24VDC OUTPUT



For smooth dimming, 8W minimum load is required.