

Mounting Instructions

HÄFELE

Item Nos.: 833.02.962, 963, 964, 966, 967, 968, 969, 970

Electronic Constant Voltage Forward Phase Dimmable LED Driver



Customer Care
714-312-5080
customer@magnitudeinc.com



E-Series Listed Specification Sheet

Electronic Constant Voltage
Forward Phase Dimmable LED Driver

120V

12/24VDC

CLASS 2

DIMMABLE DIM DOWN TO 1%

UL LISTED

FC

RoHS Compliant

NOM

Key Features

- Dim to 1% with forward-phase (TRIAC) dimmers
- Easy-to-conceal compact aluminum case
- UL Listed NEMA 3R
- Integrated wiring compartment
- Two 1/4" trade size (3/8") knockouts
- >90% efficiency provides low operating temperature

Specification Overview

- 120 VAC 50/60 Hz input
- Constant voltage 12 VDC or 24 VDC output
- 20 W, 40 W, 60 W, 75 W or 96 W power options
- Single channel
- Short circuit & over voltage protection
- UL8750, Class 2
- 5-year warranty

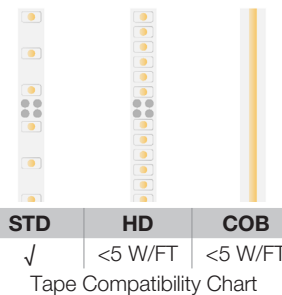
Ordering Information

Model	Wattage		Listing	Output		Extras
E			L			KO
E E-Series	20	20 W	L UL Listed	12 DC	12 VDC	KO Knockouts (2)
	40	40 W		24 DC	24 VDC	
	60	60 W				
	75*	75 W				
	96*	96 W				
	*24 V only					

Accessories (Sold Separately)

> Clamp Connector Strain Relief, 1/4" NPS (3/8") Metal, Pack of 2

Item No.
631.18.370



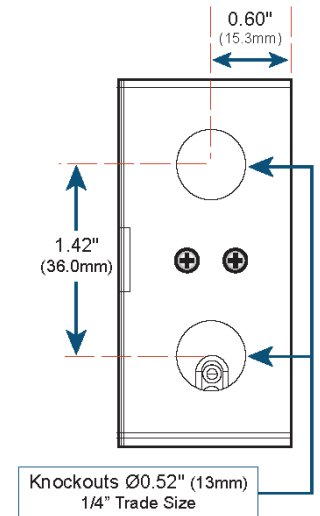
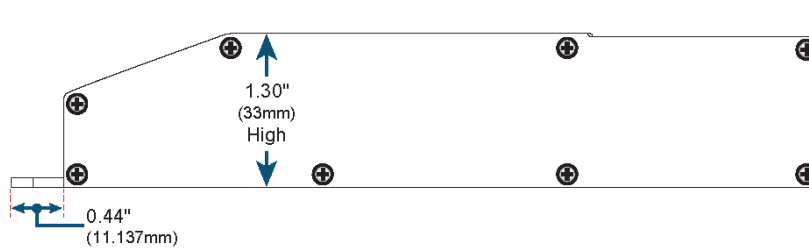
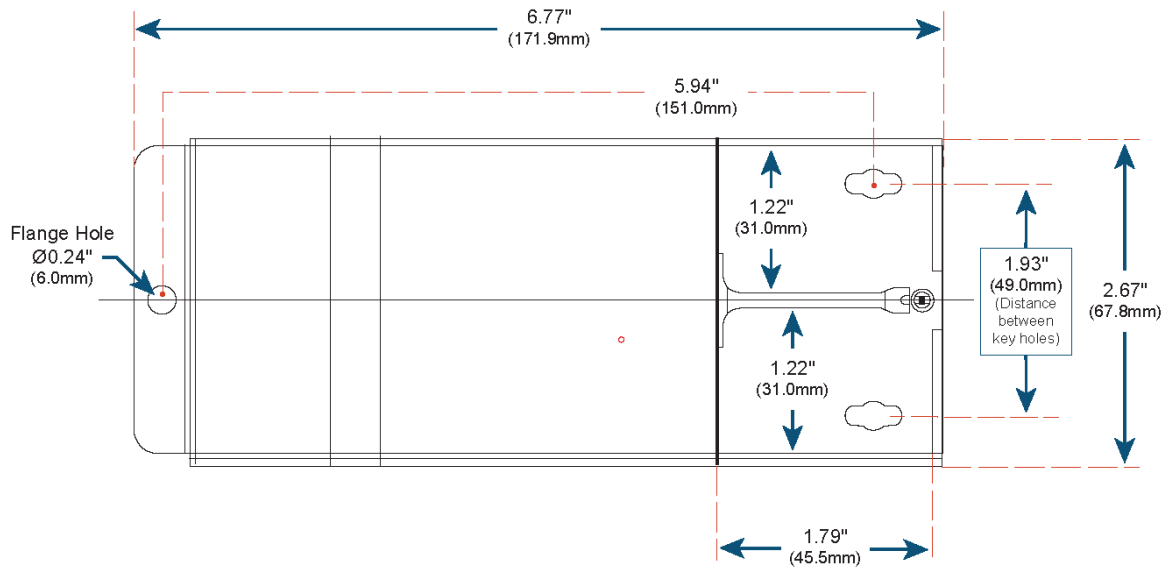
Enclosure Details

Dimensions	Material	Finish	Environmental
W x D x H: 68 x 172 x 33 mm (2.7" x 6.8" x 1.3")	Aluminum	powder-coat	NEMA 3R

SPECIFICATIONS

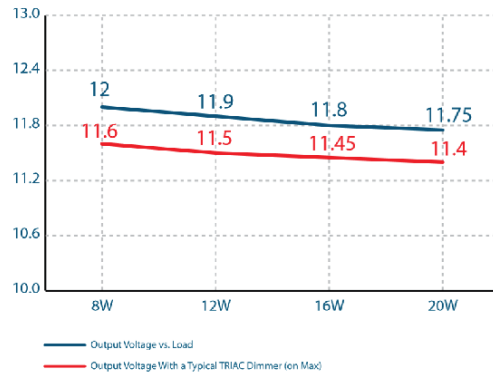
Input	20W	40W	60W	75W	96W
Input Voltage Range	120VAC ± 10%	120VAC ± 10%	120VAC ± 10%	120VAC ± 10%	120VAC ± 10%
Input Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Input Current (12VDC)	0.20A@120VAC	0.41A@120VAC	0.61A@120VAC	----	----
Input Current (24VDC)	0.20A@120VAC	0.41A@120VAC	0.61A@120VAC	0.72A@120VAC	0.85A@120VAC
Efficiency	> 90% (12VDC) > 90% (24VDC)	> 90% (12VDC) > 90% (24VDC)	> 90% (12VDC) > 90% (24VDC)	----- > 90% (24VDC)	----- > 90% (24VDC)
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 (12VDC)	1.7A	3.50A	5.00A	-----	-----
Output Current @ Max Load (24VDC)	0.90A	1.75A	2.63A	3.3A	4.16A
Environmental					
Max. Ambient Temperature	-30°C to +65°C -22°F to 122°F	-30°C to +65°C -22°F to 122°F	-30°C to +65°C -22°F to 122°F	-30°C to +65°C -22°F to 122°F	-30°C to +65°C -22°F to 122°F
Dimming					
Minimum Dimming Level	1%	1%	1%	1%	1%
Protection					
Circuit Breaker	Short Circuit & Over-Voltage Auto-Reset				
Mechanical Housing					
Primary Leads	18 AWG	18 AWG	18 AWG	18 AWG	18 AWG
Secondary Leads	14 AWG	14 AWG	14 AWG	14 AWG	14 AWG
Length	6.77" (171.9mm)	6.77" (171.9mm)	6.77" (171.9mm)	6.77" (171.9mm)	6.77" (171.9mm)
Width	2.67" (67.8mm)	2.67" (67.8mm)	2.67" (67.8mm)	2.67" (67.8mm)	2.67" (67.8mm)
Height	1.30" (33.0mm)	1.30" (33.0mm)	1.30" (33.0mm)	1.30" (33.0mm)	1.30" (33.0mm)
Weight	9 oz. (255g)	9 oz. (255g)	9 oz. (255g)	9 oz. (255g)	9 oz. (255g)
Housing Material	Coated Metal	Coated Metal	Coated Metal	Coated Metal	Coated Metal
Housing Color	Black	Black	Black	Black	Black
Junction Box	Yes	Yes	Yes	Yes	Yes
Mounting	One-hole flange mount; 2 key holes in wire housing				
Approval Markings					
Certificates/Approval Signs	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2	UL8750 Class 2

MECHANICAL DIAGRAMS

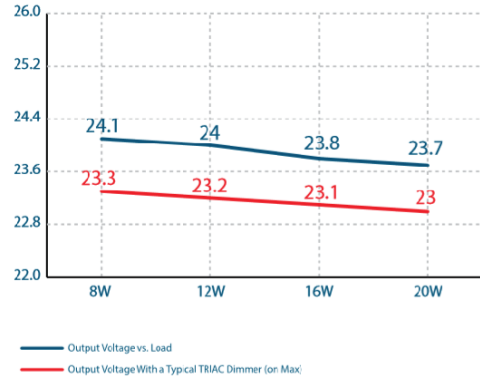


PERFORMANCE DETAILS (20 to 60W)

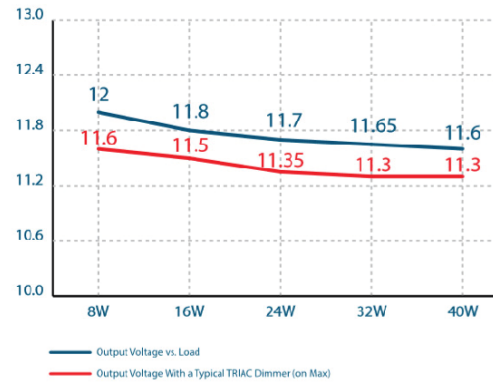
20W (12VDC)



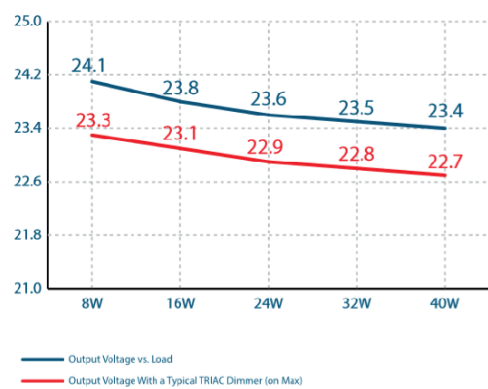
20W (24VDC)



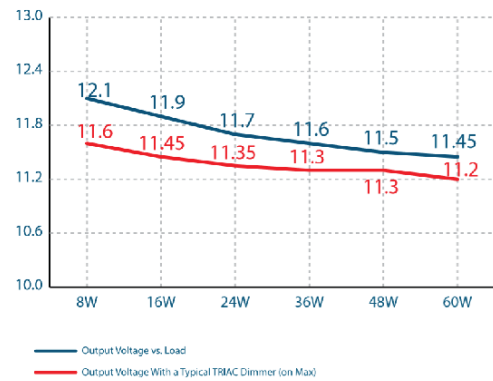
40W (12VDC)



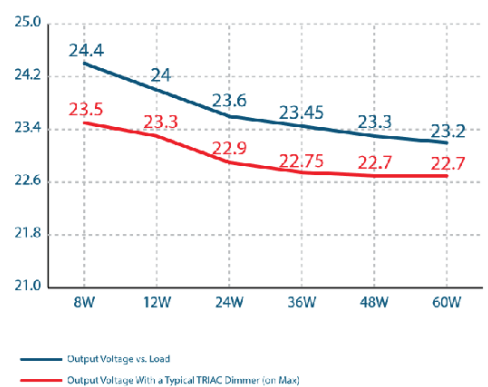
40W (24VDC)



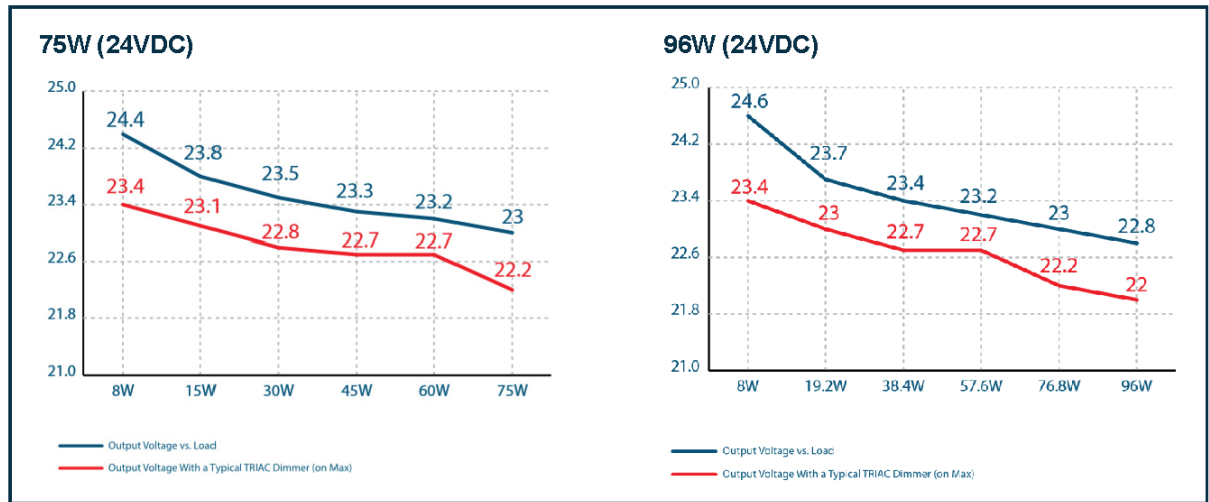
60W (12VDC)



60W (24VDC)

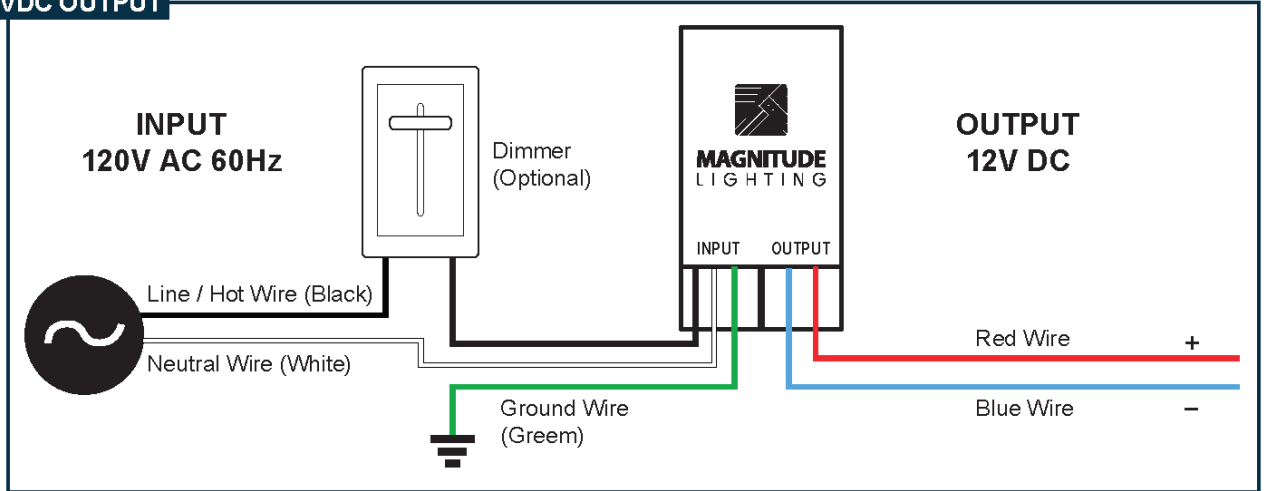


PERFORMANCE DETAILS (75 & 96W)

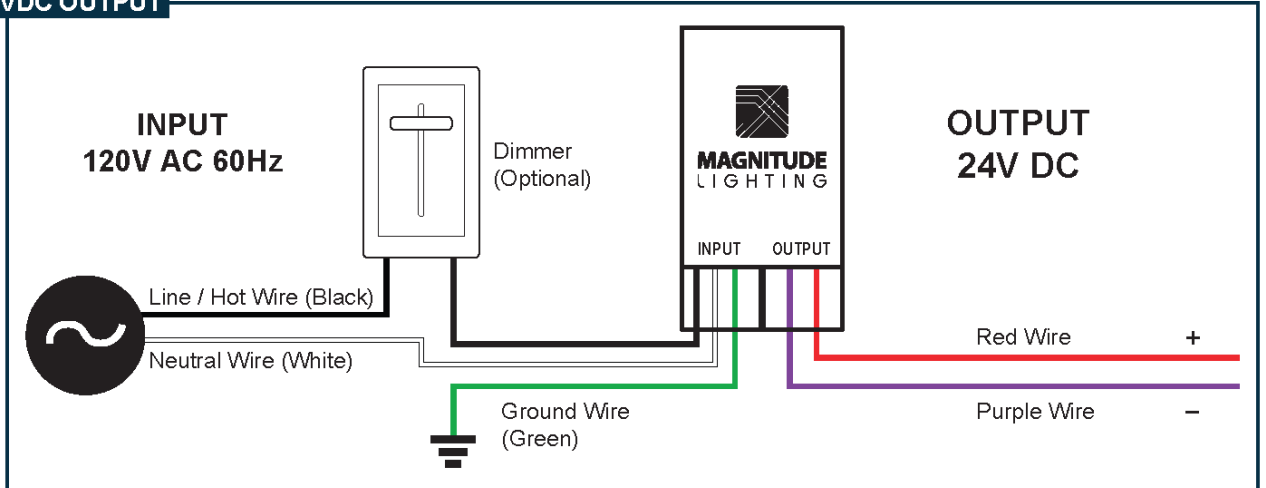


WIRING DIAGRAMS

12VDC OUTPUT



24VDC OUTPUT



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3901 Cheyenne Drive • Archdale, NC 27263
1-800-423-3531 • www.hafele.com