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Inspired LED

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E-Series Listed Specification Sheet

Electronic Constant Voltage
Forward Phase Dimmable LED Driver

120V

12/24VDC

CLASS 2



Key Features

- Dim to 1% with Forward Phase (TRIAC) dimmers
- Easy-to-conceal compact aluminum case
- UL Listed NEMA 3R
- Integrated wiring compartment
- Two ¼" Trade Size (⅜") knockouts
- >90% efficiency provides low operating temperature

Specification Overview

- 120VAC 50/60Hz input
- Constant Voltage 12VDC or 24VDC output
- 20W, 40W, 60W, 75W or 96W 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	20W	L	UL Listed	12DC	12VDC	KO	Knockouts (2)
		40	40W			24DC	24VDC		
		60	60W						
		75 ¹	75W						
		96 ¹	96W						

Inspired LED P/N ¹24V only

12V 40W - SKU 3578

12V 60W - SKU 3578

24V 40W - SKU 3936

24V 60W - SKU 3937

24V 96W - SKU 3579

ACCESSORIES (Sold Separately)

Part Number	Description
CONN-14NPS-10	Clamp Connector Strain Relief, 1/4"NPS (3/8") Metal, Pack of 10

STD	HD	COB
✓	<5W/FT	<5W/FT

Tape Compatibility Chart

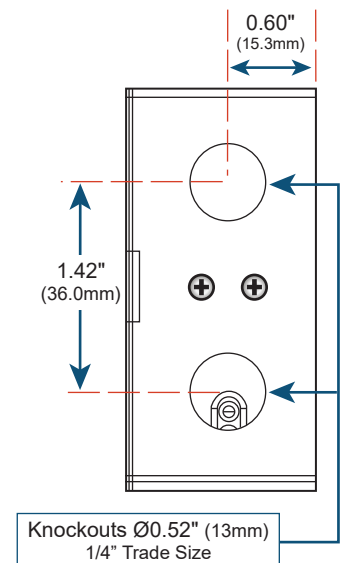
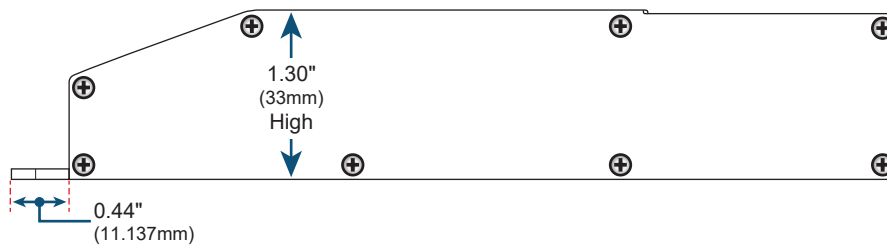
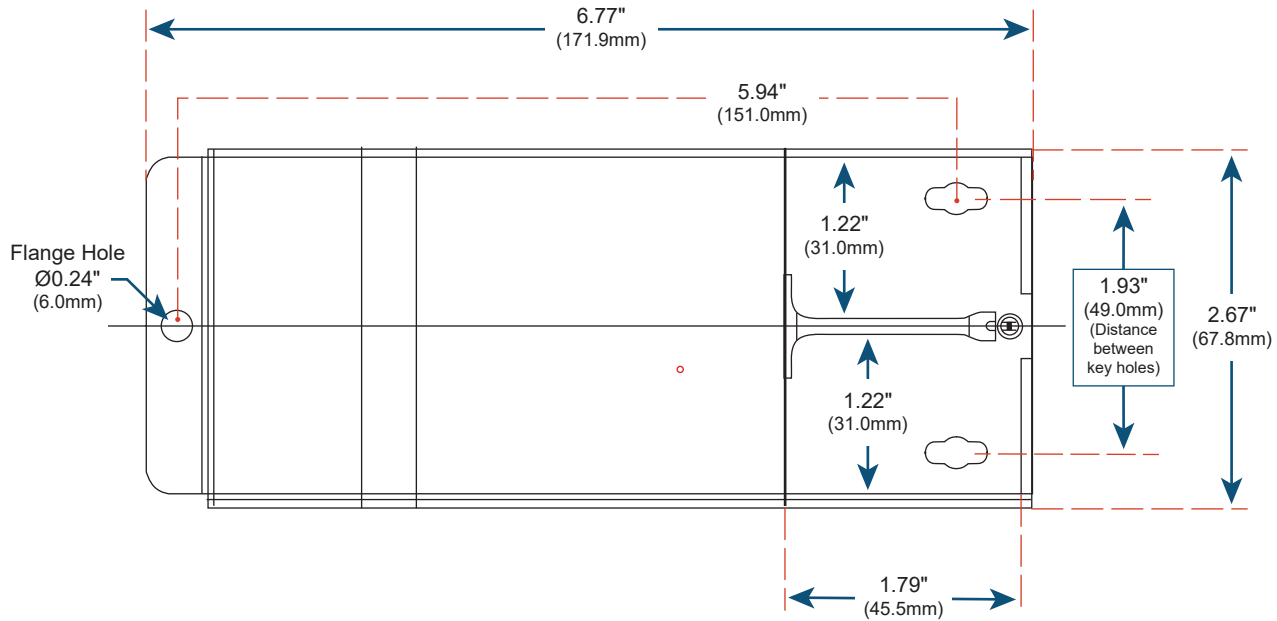
ENCLOSURE DETAILS

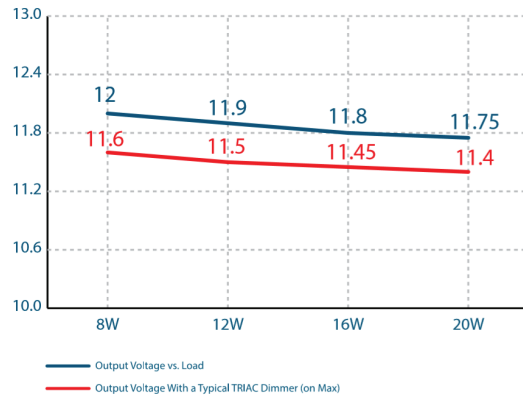
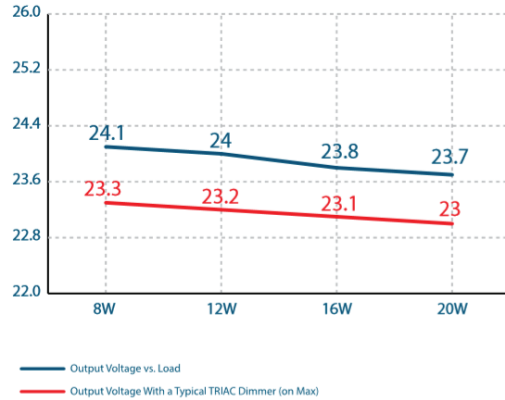
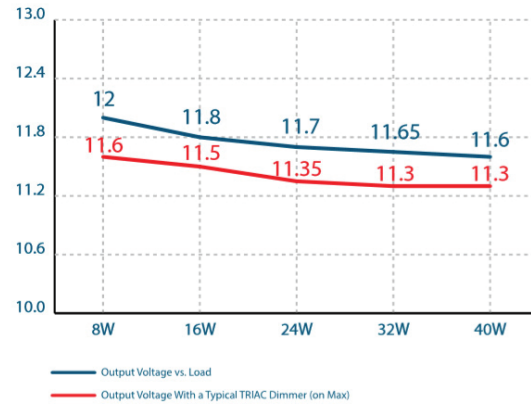
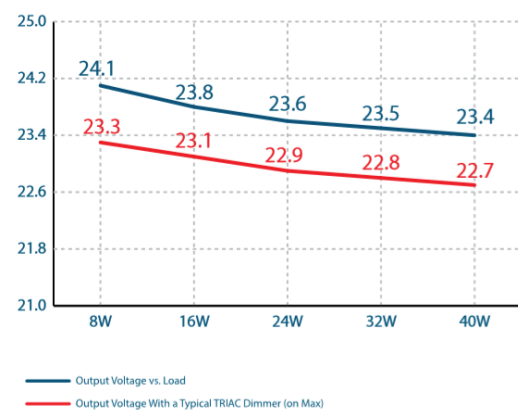
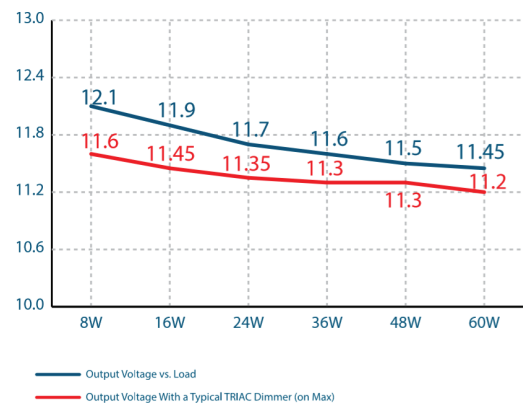
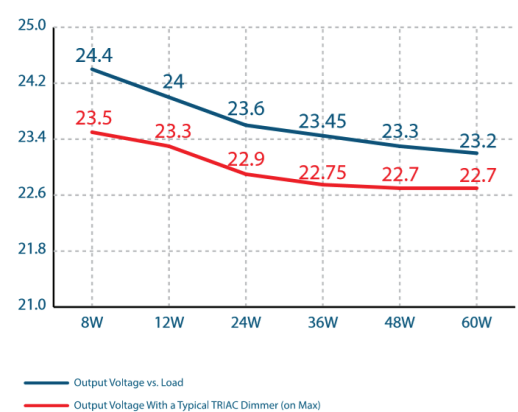
Dimensions	Material	Finish	Environmental
2.7" W x 6.8" H x 1.3" D (68mm x 172mm x 33mm)	Aluminum	Powder Coat	NEMA 3R

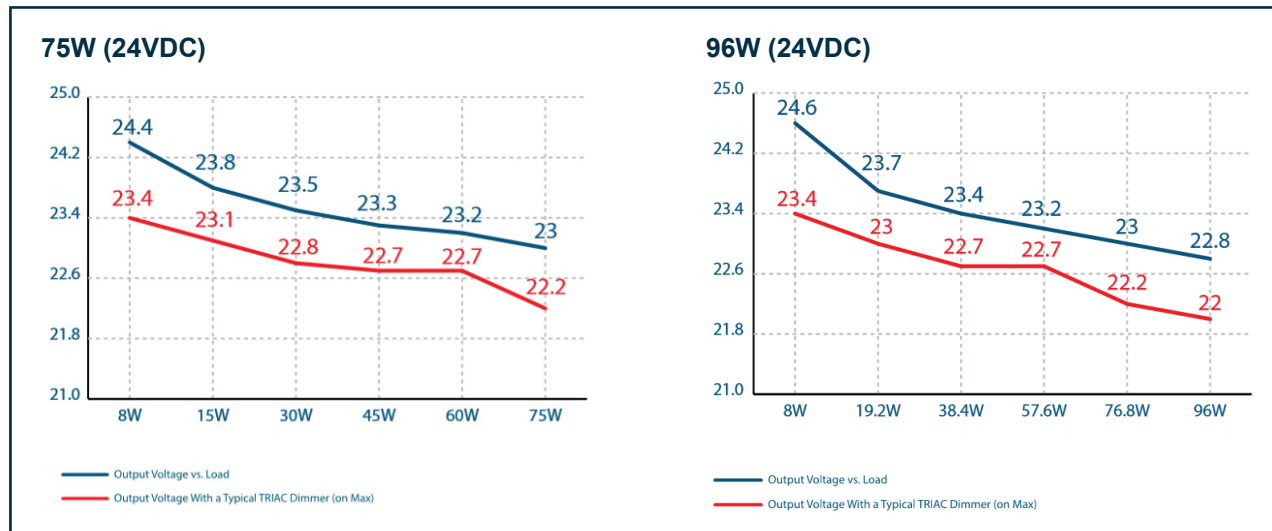
SPECIFICATIONS

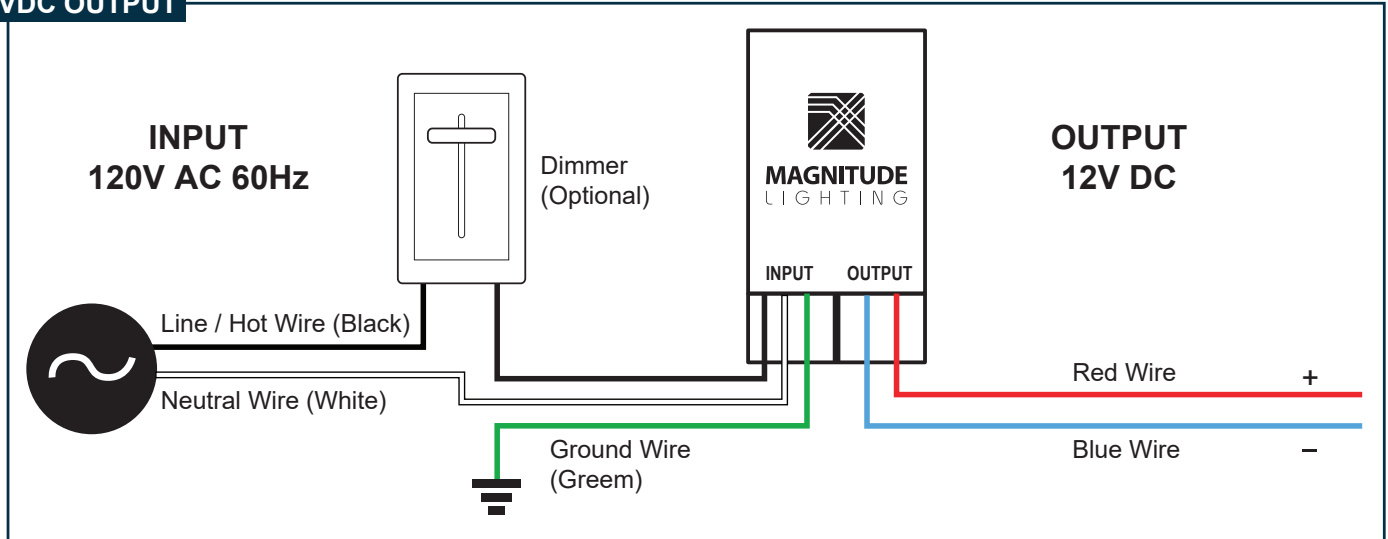
Input	20W	40W	60W	75W	96W
Input Voltage Range	120VAC $\pm$ 10%	120VAC $\pm$ 10%	120VAC $\pm$ 10%	120VAC $\pm$ 10%	120VAC $\pm$ 10%
Input Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Input Current (12VDC)	0.20A@120VAC	0.41A@120VAC	0.61A@120VAC	----	----
Input Current (24VDC)	0.20A@120VAC	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
