



## Constant Voltage Phase-Cut Dimmable LED Driver

The KLUŠ Constant Voltage Driver is an electronic Class 2, dimmable LED driver with an integrated junction box, making it the perfect choice for tape lighting, tube lighting, linear lighting and multiple other commercial lighting applications.

The UL enclosure is rated IP66 for indoor or outdoor installations and includes a separate input and output wiring compartment, each with three 7/8" knockouts for easy installation. The driver features hiccup mode, over current and short circuit protection, as well as an efficiency over >84% resulting in low operating case temperature. This driver is dimmable down to 1% using Forward Phase (MLV) and Reverse Phase (ELV) dimmer.



UL Enclosure with  
Integrated Junction Box  
(12.1" L x 2.36" W x 1.40" H)

**Installation:** Has an integrated junction box with multiple 7/8" knockouts

**Driver Type:** Class 2 Single Channel

**Dimming:** Forward Phase (MLV) and Reverse Phase (ELV), Down to 1%

**Input Voltage:** Universal 120VAC to 277VAC, 50/60Hz

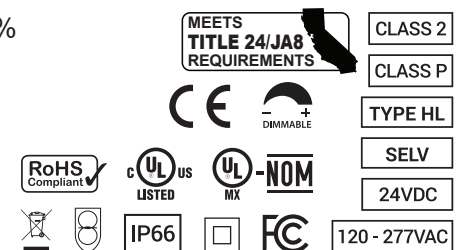
**Output Voltage:** 24VDC

**IP Rating:** IP66

**Listing:** Available in UL Listed, Class P, Type HL

**Certifications:** UL8750, UL2043 Plenum Rated

**Warranty:** 5-Year

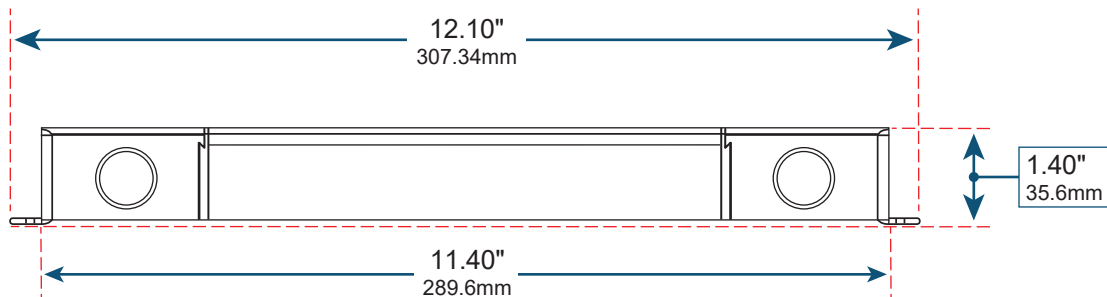


### Ordering Guide

Part #	Maximum Power	Output	Dimensions
ELV-30-24	30 Watt Max	24VDC	Length: 12.10" (307.34mm)
ELV-60-24	60 Watt Max	24VDC	Width: 2.36" (59.94mm)
ELV-96-24	96 Watt Max	24VDC	Height: 1.40" (35.6mm)

### Integrated Junction Box

(Drawing Not to Scale)

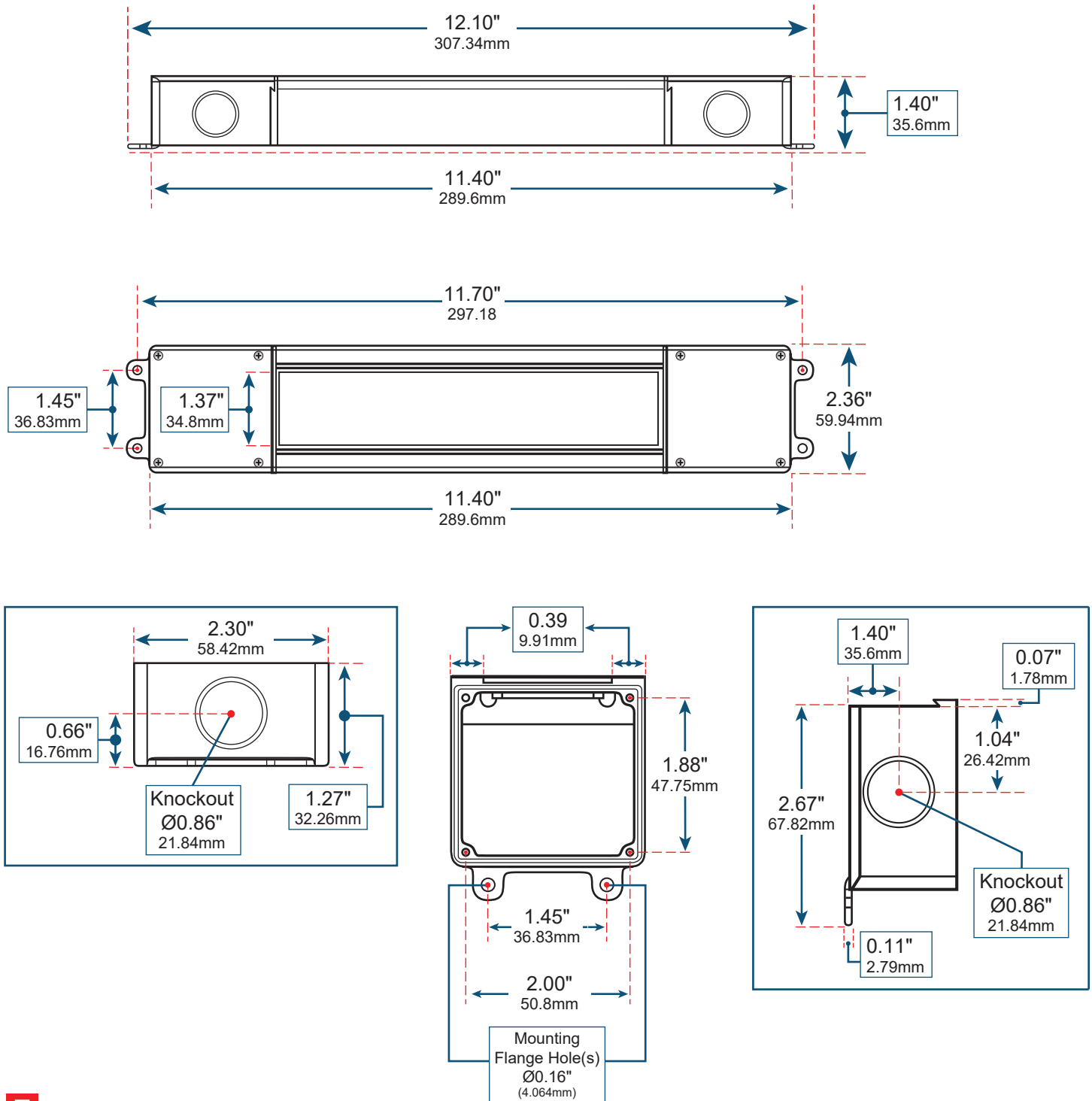


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## Specifications

Part Numbers:	ELV-30-24	ELV-60-24	ELV-96-24
<b>Input</b>			
Input Voltage Range	120 - 277VAC $\pm$ 10%	120 - 277VAC $\pm$ 10%	120 - 277VAC $\pm$ 10%
Input Frequency	50 / 60Hz	50 / 60Hz	50 / 60Hz
Input Current	0.96A Max	0.96A Max	0.96A Max
Inrush Current	5A Max@120VAC 30A Max@277VAC	5A Max@120VAC 30A Max@277VAC	5A Max@120VAC 30A Max@277VAC
Efficiency	> 84% Max	> 84% Max	> 84% Max
Power Factor	> 0.91	> 0.95	> 0.95
THD	< 20%	< 20%	< 20%
<b>Output</b>			
Output Voltage	24VDC	24VDC	24VDC
Max Load	30W	60W	96W
Output Current @ Max Load	1.3A	2.6A	4.1A
Output Ripple	< 3%	< 3%	< 3%
Line Regulation	< 2%	< 2%	< 2%
Load Regulation	< 3%	< 3%	< 3%
Turn-On Delay Time	< 0.3 Sec	< 0.3 Sec	< 0.3 Sec
<b>Environmental</b>			
Env. Protection Rating	IP66	IP66	IP66
Ambient Operating Temp.	-25°C - +40°C (-13°F - 104°F)	-25°C - +40°C (-13°F - 104°F)	-25°C - +40°C (-13°F - 104°F)
Max Case Temp. (Tcase)	80°C (176°F)	80°C (176°F)	80°C (176°F)
Storage Temperature	-40°C - +85°C (-40°F - 185°F)	-40°C - +85°C (-40°F - 185°F)	-40°C - +85°C (-40°F - 185°F)
Expected Lifetime	50k hours (>65°C) Tc	50k hours (>65°C) Tc	50k hours (>65°C) Tc
Audible Noise	<24dB Class A	<24dB Class A	<24dB Class A
<b>Dimming</b>			
Dimming Control	Forward (MLV) or Reverse (ELV)	Forward (MLV) or Reverse (ELV)	Forward (MLV) or Reverse (ELV)
Minimum Level	1%	1%	1%
Dimming Curves	Linear	Linear	Linear
<b>Protection</b>			
Over Current Protection	Yes	Yes	Yes
Over Voltage Protection	Yes	Yes	Yes
Over Temp. Protection	Yes/Hiccup Mode	Yes/Hiccup Mode	Yes/Hiccup Mode
Over Load Protection	Yes/Current Limit	Yes/Current Limit	Yes/Current Limit
Short Circuit Protection	Yes/Current Limit	Yes/Current Limit	Yes/Current Limit

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