

K2 Series LED Driver

Product Specifications

High Power Constant Voltage LED Driver

Total Power	60 / 100 Watts
Input Voltages	110 ~ 277 VAC
Number of Outputs	One

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SPECIAL FEATURES

- IP66 enclosure for wet location applications
- Size: See mechanical specifications for details
- Full range AC input from 110VAC ~ 277VAC, 50-60Hz
- Special wiring compartment comply to NEC standards
- High efficiency at 87% meets Energy Star requirement
- Short circuit / Over Voltage / Overload protection
- AC Surge protect at 4KV/4KV
- Dimmable via 1-10V with "Enable" feature
- Three year warranty

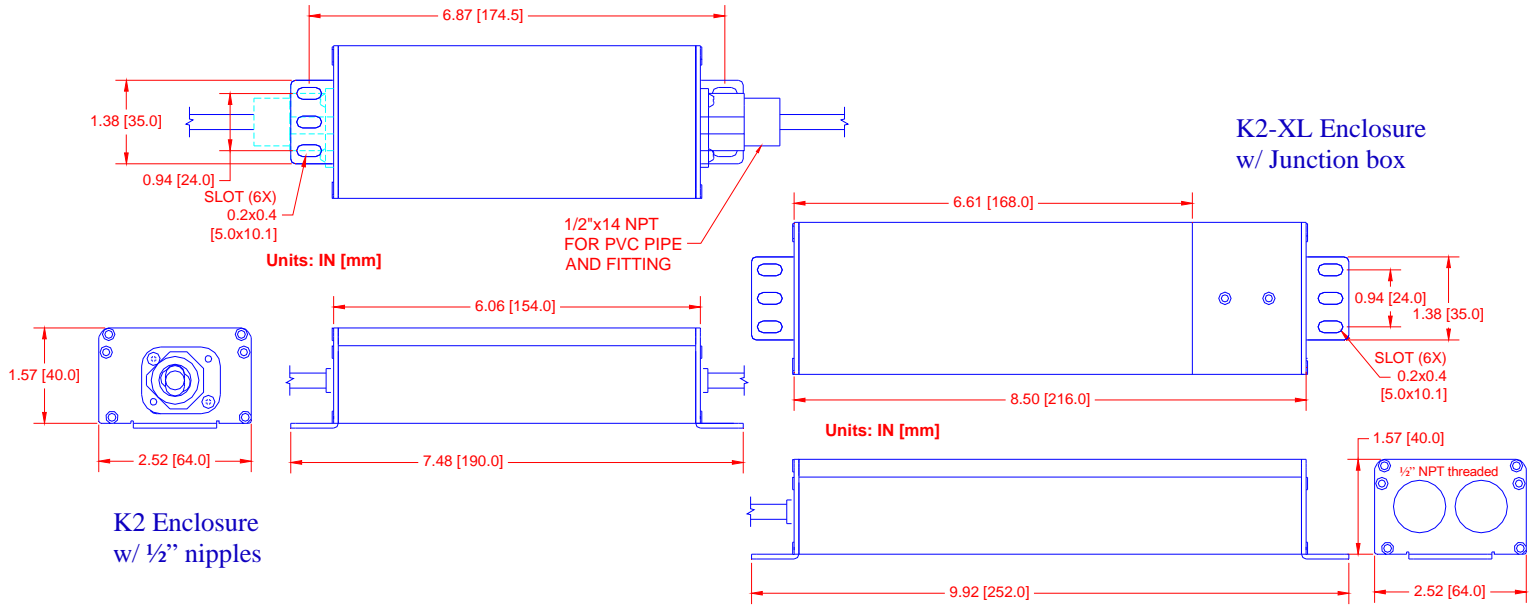
ENVIRONMENTAL

Operating temperature:	-40 to +50 °C (derate 2.5% per deg. from 50 to 70 °C)
Storage temperature:	-40 to +85 °C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)



SPECIFICATION PARAMETER	K2-U12	K2-U12-XL	K2-U24	K2-U24-XL
Input Voltage / Current (VAC/A)	110 ~ 277VAC / 0.75 ~ 0.27		110 ~ 277VAC / 0.88 ~ 0.32	
Input Frequency (Hz)	50/60 Hz			
Inrush Current	10A, 110VAC / 23A, 277VAC			
PF / THD	> 0.9 / < 20%			
Efficiency (240VAC full load)	84% typ		86% typ	
Dimming (1-10V)	Optional	Standard	Optional	Standard
Line Regulation	± 3%			
Output Voltage (VDC)	12VDC, ± 5%		24VDC, ± 5%	
Output Current (max.)	5.0 A max.		4.2 A max.	
Output Power (W)	60W Max.		100W Max.	
Load Regulation	± 5%			
Load Range	60% ~ 100%			
Short Circuit Protection	Yes			
Overload Protection	130% of the rated power			
Thermal Protection	Optional			
Safety Approval	UL Recognized (UL879, Class 2)			
EMC Compatibility	FCC Class A			
Surge Compatibility	4KV			
Operational Temperature	-40 ~ 50 Deg. C (de-rate 2.5% per deg. from 50 to 70 °C)			
Humidity	5% - 95% non-condensing			
Storage Temperature	-40 ~ 85 Deg. C			
Max. Temperature at Tc	80 Deg. C			
Output Configuration	Cord	Wiring Box	Cord	Wiring Box
Dimension (L x W x H mm)	154 x 64 x 40	216 x 64 x 40	154 x 64 x 40	216 x 64 x 40

MECHANICAL SPECIFICATIONS



Dimming Wiring Diagram

