

CONSTANT VOLTAGE KEY PROGRAMMABLE LED DRIVER



GENERAL INFORMATION

LED Drive Type	Key Programmable Constant Voltage, Class 2
Input Voltage	120-277 (+/-10%)
Input Frequency	50/60Hz
Programming Method	V-LOC Keys
Dimming Control	0-10V
Dimming Range	Dims to Off
Power Factor @ Full Load	>0.95%
Efficiency @ Full Load	Up to 90%
Start-Up Time	<500ms**
Line Regulation	<3%
Load Regulation (Max Load)	<3%
Output Overload Protection	Yes, Latch Mode***
Output Short-Circuit Protection	Yes, Latch Mode***
Over Temperature Protection	Yes, Latch Mode***
EMI Compliance	FCC Part 15 Class B

ENVIRONMENTAL SPECIFICATIONS

Minimum Operating Temp.	-30°C
Maximum Case Temp.	77.5°C
Maximum Storage Temp.	70°C
Maximum Relative Humidity	85% non-condensing
Transient Protection	NEMA SSL1-2010 Non-Roadway 2.5kV
UL Environment Rating	Dry & Damp
Sound Rating	Class A

APPROVALS



ICES-005 (B)/NMB 005 (B)

WARRANTY

5 year limited warranty

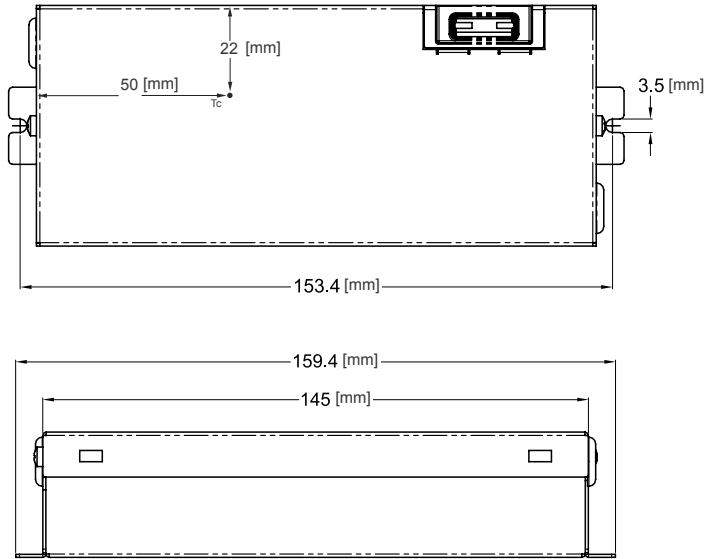
** Complies with ENERGY STAR and CA Title 24 Specifications

*** Power cycle required

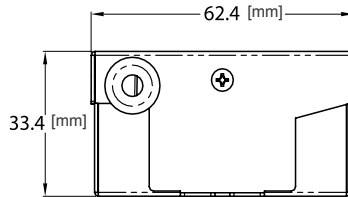
ELECTRICAL SPECIFICATIONS

Max. Power (W)	Output Voltage (VDC)	Output Current (A)	THD @ Full Load (120/277V)	Input Current (A)(120/277V)	Part Number
60W	12 - 48	5.0 - 1.25	<10%/<20%	0.74/0.31	EL-XWV60-1248Z-UNV-I
96W	24 - 48	4.0 - 2	<10%/<20%	1.1/0.46	EL-XWV96-2448Z-UNV-I

SIZING INFORMATION



Always confirm fit with a physical sample. Specifications subject to change without notice.



WIRING INFORMATION

Input	6" # 18AWG Black (L), White (N), Green (G)
Output	6" # 18AWG Red (+), Black/White (-)
Dimming	6" # 24AWG Purple (+), Grey (-)

KEY SELECTOR GUIDE

Hatch V-LOC Technology enables quick and easy setting of driver output voltage with the simple click of a key. Select the appropriate V-LOC key for the desired output voltage and click it into the driver. The keys are **interchangeable** across the Hatch V-LOC constant voltage LED Driver product family.

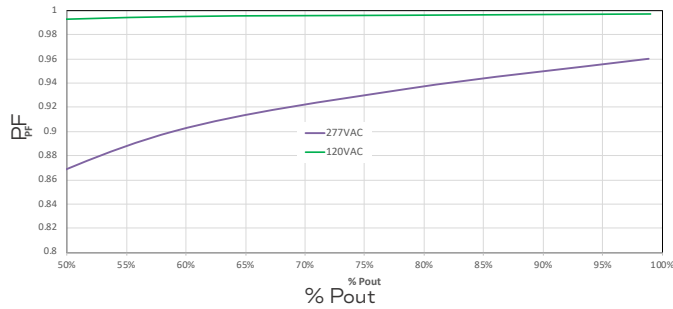
Key Part Number	Output Voltage	Max lout (A)	
		EL-XWV60-1248-UNV-I	EL-XWV96-2448-UNV-I
X12V	12V	5	
X24V	24V	2.5	4
X36V	36V	1.67	2.67
X48V	48V	1.25	2

(Keys are marked with output voltage)

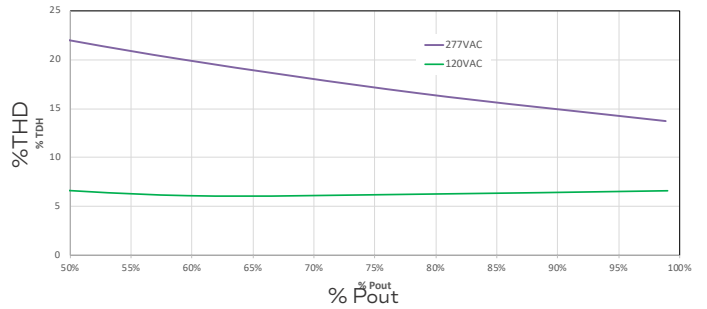


OUTPUT POWER - 60W

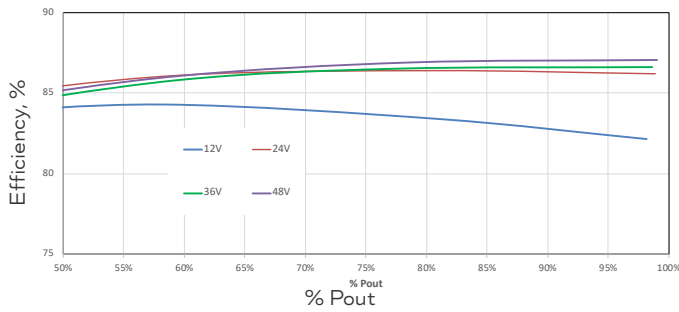
Power Factor vs. % Pout, 60W



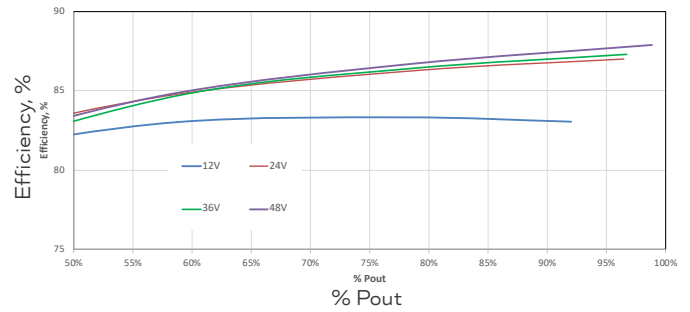
THD vs. % Pout, 60W



Efficiency - 60W, 120VAC



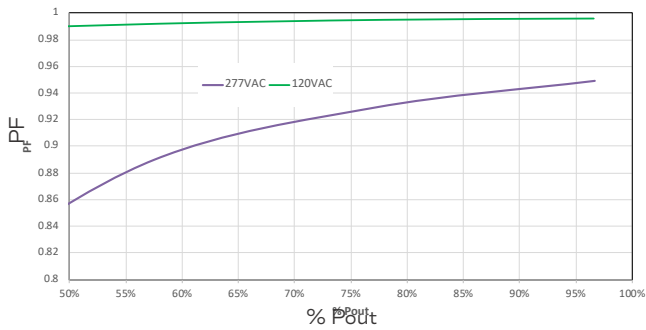
Efficiency - 60W, 277VAC



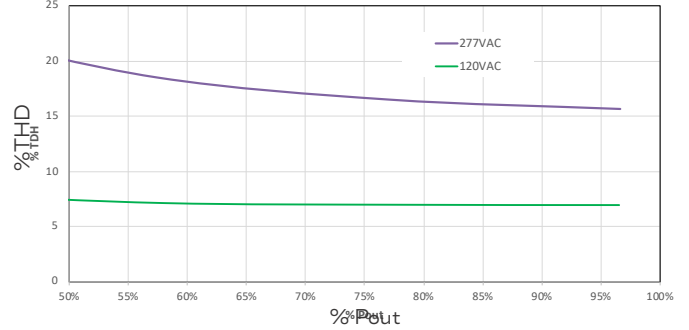
OUTPUT POWER - 96W

%Pout normalized for dimming level.

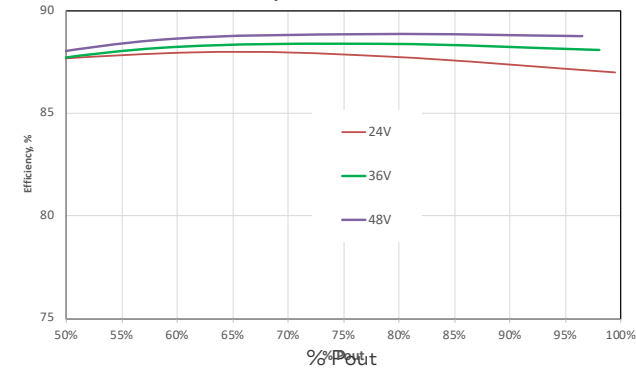
Power Factor vs. % Pout, 96W



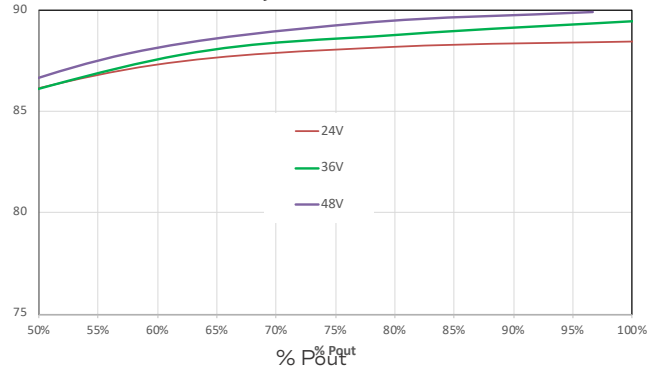
THD vs. % Pout, 96W



Efficiency - 96W, 120VAC

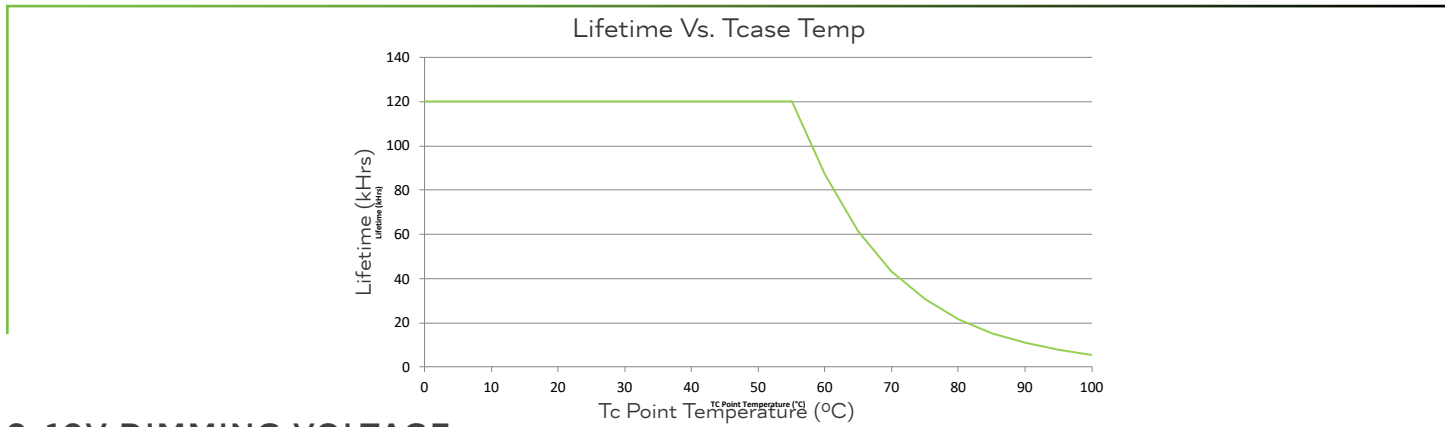


Efficiency - 96W, 277VAC

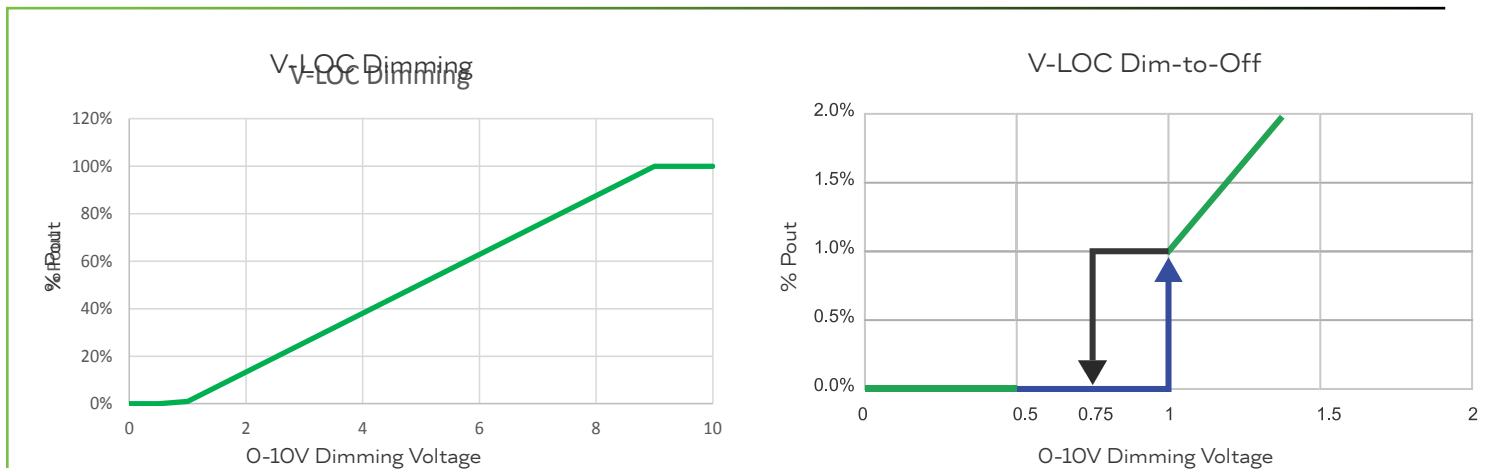


%Pout normalized for dimming level.

LIFETIME CURVE



O-10V DIMMING VOLTAGE



PART NUMBER GUIDE

