

### CONSTANT VOLTAGE KEY PROGRAMMABLE LED DRIVER CASE: XKV METAL SIDE LEAD



#### 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, TOUCH Dimmer*                       |
| 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                        |

\* TOUCH Dimmer sold separately

\*\* Complies with ENERGY STAR<sup>®</sup> and CA Title 24 Specifications

\*\*\* Power cycle required

#### 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)

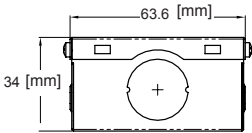
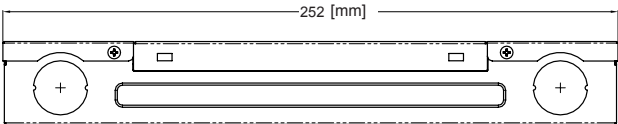
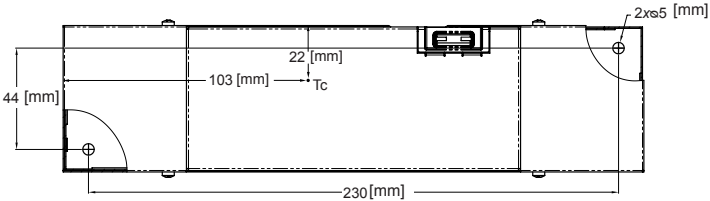
#### WARRANTY

- 5 year limited warranty

#### ELECTRICAL SPECIFICATIONS

| Max. Power (W) | Output Voltage (VDC) | Output Current (A) | THD @ Full Load (120/277V) | Input Current (A)(120/277V) | Part Number       |
|----------------|----------------------|--------------------|----------------------------|-----------------------------|-------------------|
| 40W            | 12 - 48              | 3.3 - 0.833        | <10%/<20%                  | 0.41/0.19                   | XKV40-1248Z-UNV-I |
| 60W            | 12 - 48              | 5.0 - 1.25         | <10%/<20%                  | 0.74/0.31                   | XKV60-1248Z-UNV-I |
| 96W            | 24 - 48              | 4.0 - 2            | <10%/<20%                  | 1.1/0.46                    | XKV96-2448Z-UNV-I |

SIZING INFORMATION



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

WIRING INFORMATION

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

PACKAGING INFORMATION

|          |              |
|----------|--------------|
| Weight   | 1.38 lbs     |
| Quantity | 40 pc/carton |

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.

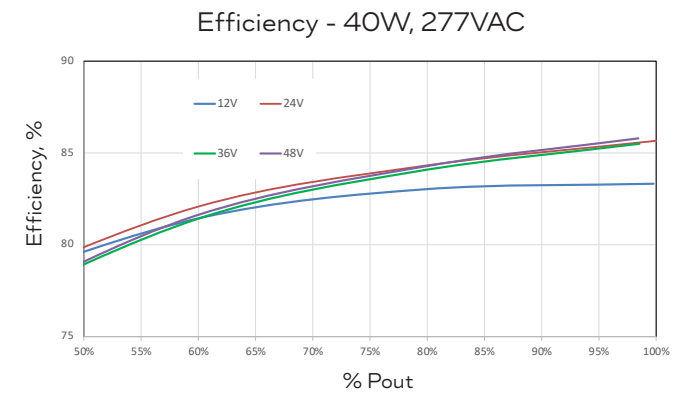
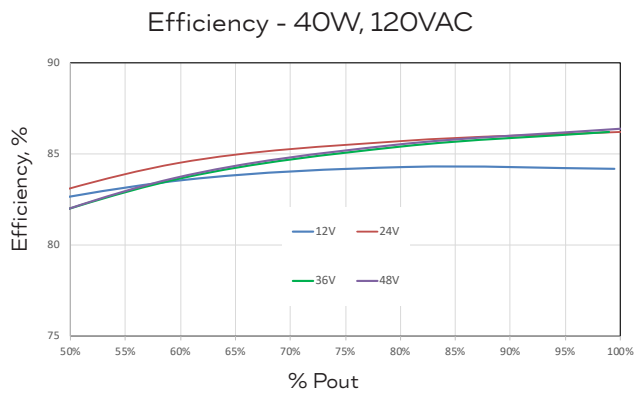
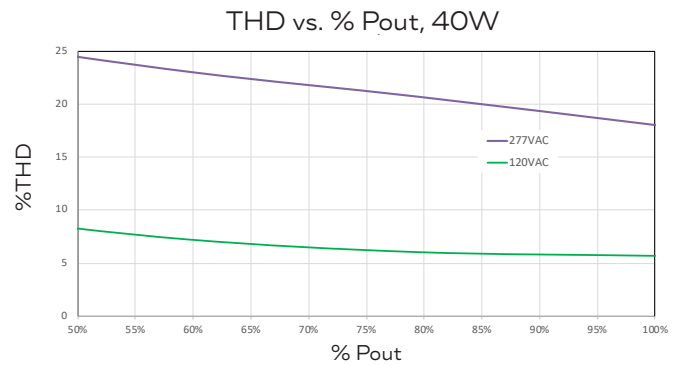
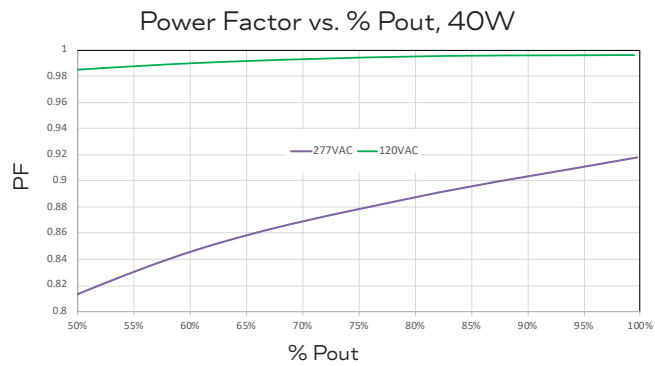
| Key Part Number | Output Voltage | Max lout (A)     |                  |                  |
|-----------------|----------------|------------------|------------------|------------------|
|                 |                | XKV40-1248-UNV-I | XKV60-1248-UNV-I | XKV96-2448-UNV-I |
| X12V            | 12V            | 3.33             | 5                |                  |
| X24V            | 24V            | 1.67             | 2.5              | 4                |
| X36V            | 36V            | 1.11             | 1.67             | 2.67             |
| X48V            | 48V            | 0.833            | 1.25             | 2                |

(Keys are marked with output voltage)

Contact Hatch for custom key values.

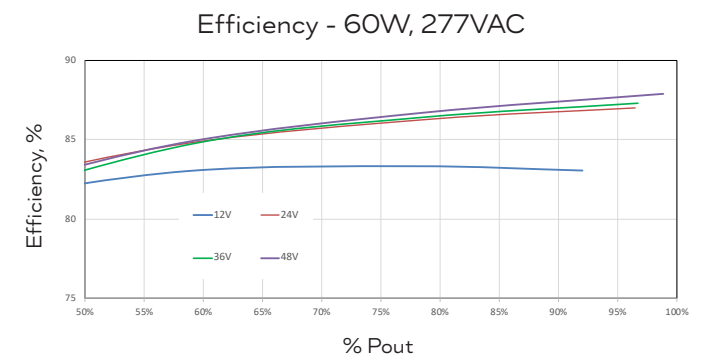
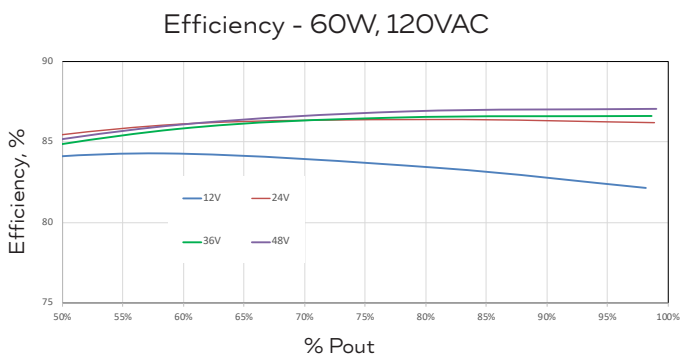
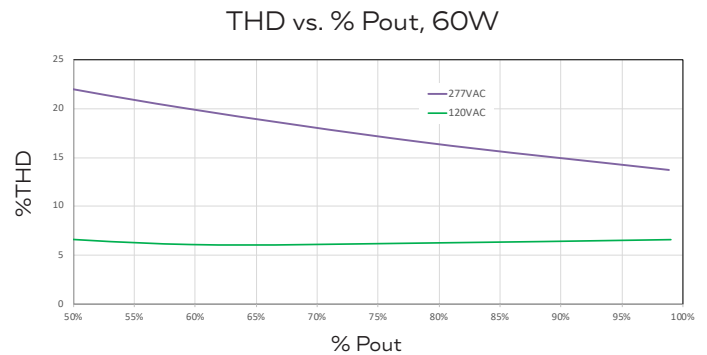
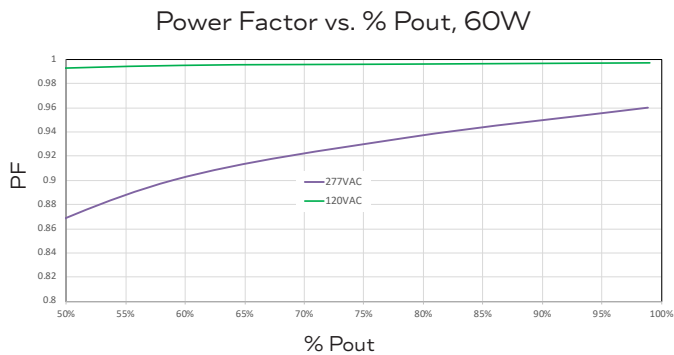


## OUTPUT POWER - 40W



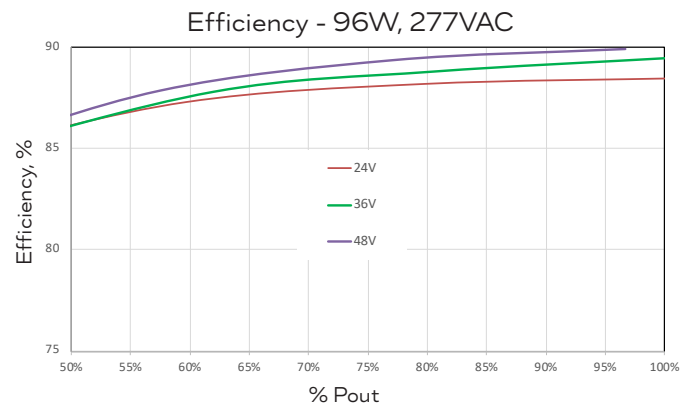
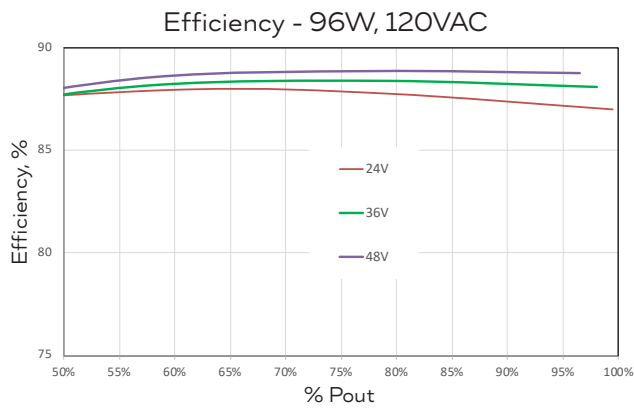
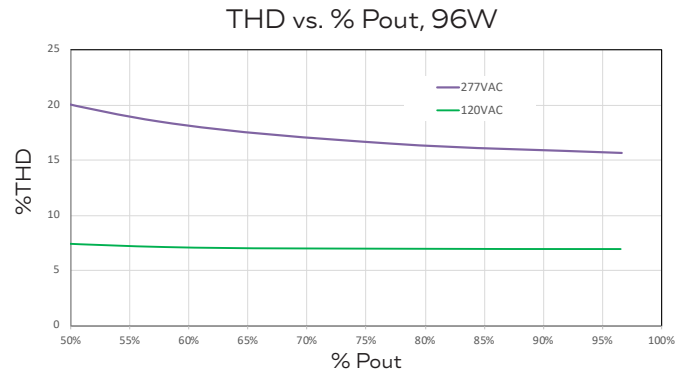
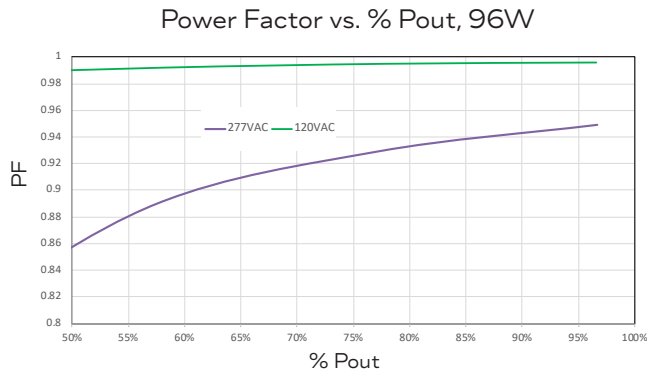
%Pout normalized for dimming level.

## OUTPUT POWER - 60W



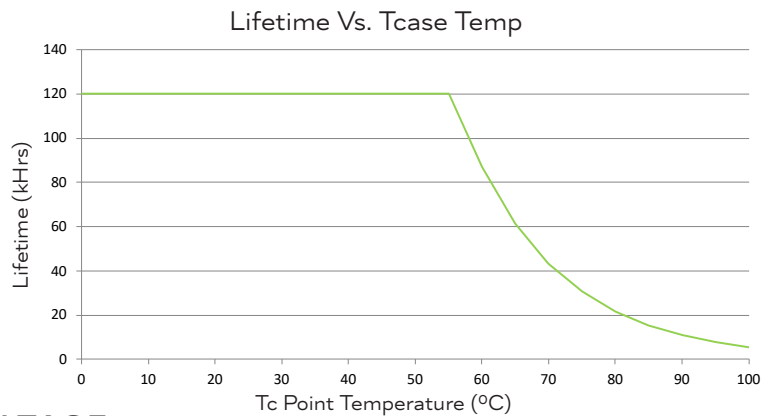
%Pout normalized for dimming level.

## OUTPUT POWER - 96W

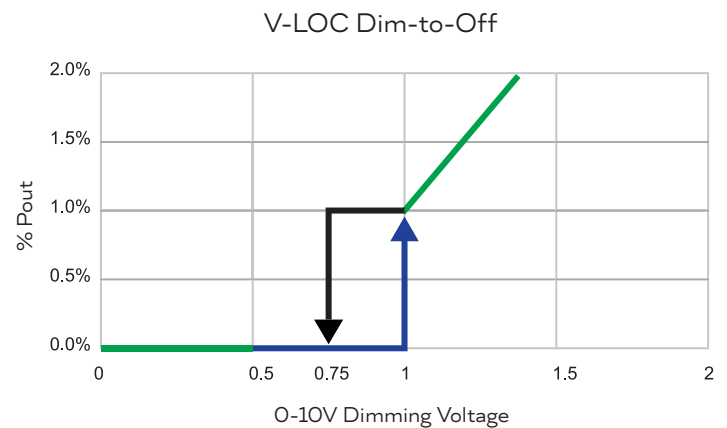
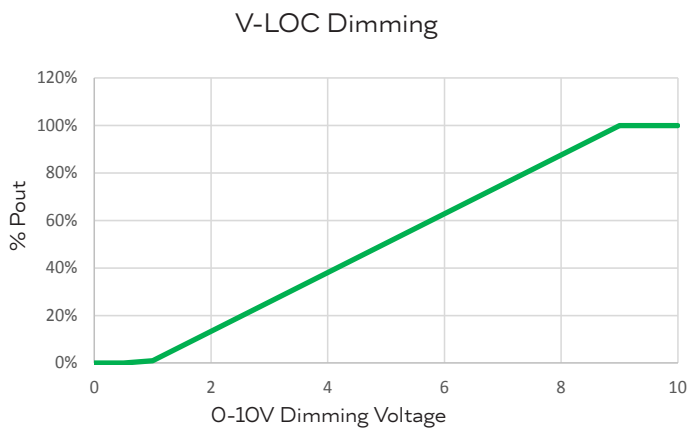


%Pout normalized for dimming level.

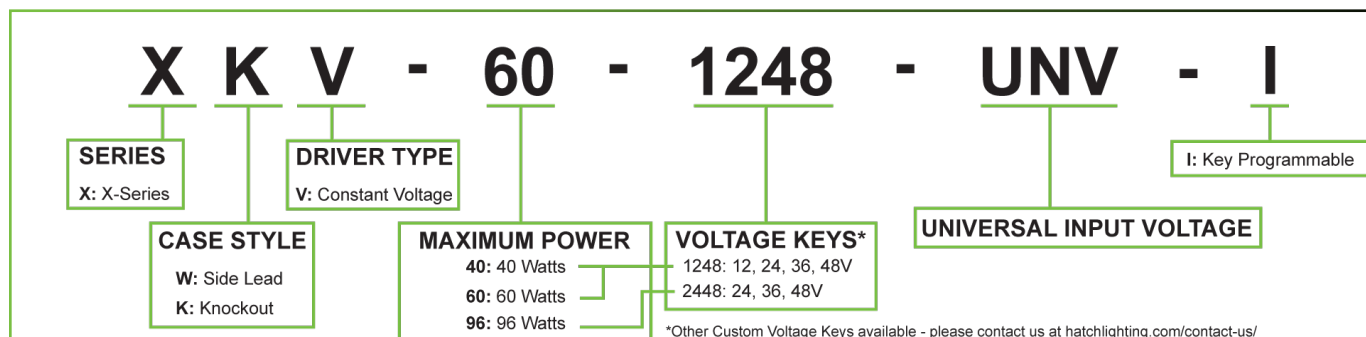
## LIFETIME CURVE



## O-10V DIMMING VOLTAGE



## PART NUMBER GUIDE



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[sales@hatchlighting.com](mailto:sales@hatchlighting.com)

12-08-20

**hatch**<sup>®</sup>  
PRECISION POWER. PERFECT LIGHT.