

## ADJUSTABLE CONSTANT CURRENT LED DRIVER XRC32 (PHASE) PROGRAMMABLE SPECIFICATIONS SHEET

### ELECTRICAL SPECIFICATIONS

| <i>Input</i>                             |                    |             |
|------------------------------------------|--------------------|-------------|
| Input Voltage (VAC)                      | 120-277V (+/-10%)  |             |
| Frequency Range (Hz)                     | 50-60Hz            |             |
|                                          | <b>120V</b>        | <b>277V</b> |
| Input Current (A)                        | 0.32               | 0.14        |
| THD @ Full Load                          | <10%               | <20%        |
| Power Factor @ Full Load                 | >0.95              | >0.95       |
| Efficiency @ Full Load                   | >80%               | >80%        |
| Inrush Current (Apk)                     | 3.75               | 4.30        |
| <i>Output</i>                            |                    |             |
| Output Current (mA)                      | 350 - 700mA        |             |
| Output Voltage (VDC)                     | 20 - 46V           |             |
| Output Ripple Current (mA)<br>(Max Load) | 216mA              |             |
| Maximum Output Power (W)                 | 32W                |             |
| LED Power Up Time                        | <500ms             |             |
| Load Regulation                          | <3%                |             |
| Line Regulation (Max Load)               | <3%                |             |
| Over Voltage Protection                  | Yes, Auto Recovery |             |
| Over Load Protection                     | Yes, Auto Recovery |             |
| Output Short-Circuit Protection          | Yes                |             |
| Over Temperature Protection              | Yes                |             |



Type TL

Specifications subject to change without notice.

### GENERAL INFORMATION

|                    |                           |
|--------------------|---------------------------|
| Order Number       | XRC32-0700P-UNV-I         |
| Type               | Constant Current, Class 2 |
| Output Power       | 32W (Maximum)             |
| Programming Method | I-LOC Keys                |

### DIMMING

|                 |                              |
|-----------------|------------------------------|
| Dimming Control | Phase Dimming<br>@ 120V only |
| Dimming Range   | Dims to Off                  |

### ENVIRONMENTAL SPECIFICATIONS

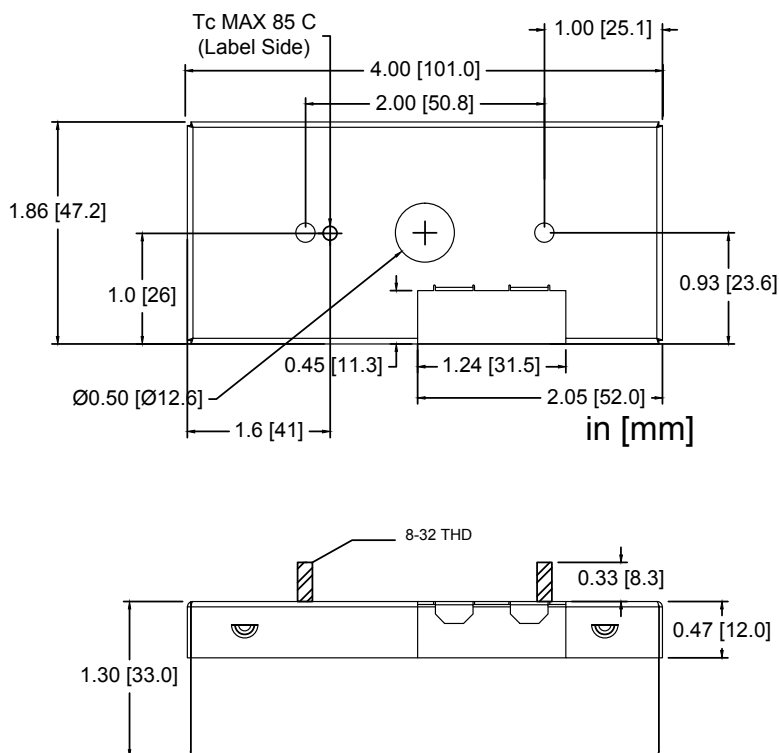
|                               |                                     |
|-------------------------------|-------------------------------------|
| Minimum Operating Temperature | -30°C                               |
| Maximum Case Temperature (Tc) | 85°C <sup>1</sup>                   |
| Maximum Storage Temperature   | 70°C                                |
| Maximum Relative Humidity (%) | 85%,<br>non-condensing              |
| Transient Protection          | NEMA SSL1-2010<br>Non-Roadway 2.5kV |
| UL Environment Rating         | Dry & Damp                          |
| UL File Number                | E341915                             |
| EMI Compliance                | FCC Part 15 Class B                 |
| Sound Rating                  | Class A                             |

<sup>1</sup>80°C Maximum Case Temperature for Warranty Purposes

## WIRING

|         |                                       |
|---------|---------------------------------------|
| Input:  | 6" #18AWG<br>Black (L), White (N)     |
| Output: | 6" #24AWG<br>Red (+), Black/White (-) |

## DIMENSIONS



Always confirm fit with a physical sample.

## PACKAGING INFORMATION

Weight: 0.57 lbs

Quantity: 50 pc/carton

## PROGRAMMABILITY

Hatch I-LOC Technology enables quick and easy setting of driver output current with the simple click of a key. Select the appropriate I-LOC key for the desired output current and click it into the driver.

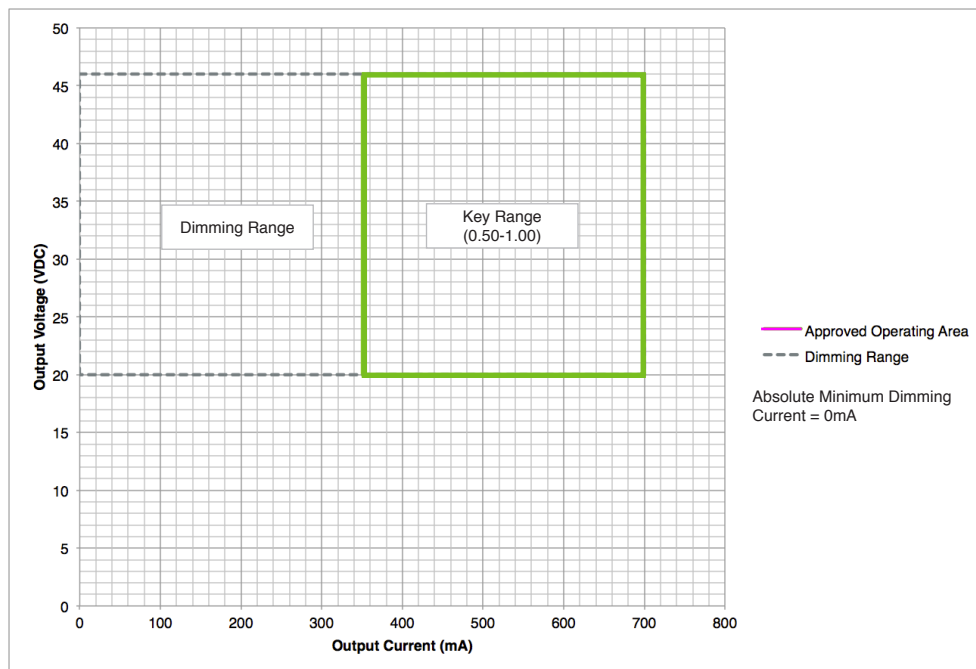
The keys are **Interchangeable** across the Hatch I-LOC LED Driver product family and have a 50% to maximum output range. The 0.28 to 0.48 keys are designed exclusively for the Linear I-LOC family.

| Drive Factor | Part Number | Max Output mA | Voltage Range V | Max Output W |
|--------------|-------------|---------------|-----------------|--------------|
| 1.00         | XA100       | 700           | 20-46           | 32           |
| 0.98         | XB098       | 686           | 20-46           | 32           |
| 0.95         | XC095       | 665           | 20-46           | 31           |
| 0.93         | XD093       | 651           | 20-46           | 30           |
| 0.90         | XE090       | 630           | 20-46           | 29           |
| 0.88         | XF088       | 616           | 20-46           | 29           |
| 0.85         | XG085       | 595           | 20-46           | 28           |
| 0.83         | XH083       | 581           | 20-46           | 27           |
| 0.80         | XI080       | 560           | 20-46           | 26           |
| 0.78         | XJ078       | 546           | 20-46           | 26           |
| 0.75         | XK075       | 525           | 20-46           | 25           |
| 0.73         | XL073       | 511           | 20-46           | 24           |
| 0.70         | XM070       | 490           | 20-46           | 23           |
| 0.68         | XN068       | 476           | 20-46           | 22           |
| 0.65         | XO065       | 455           | 20-46           | 21           |

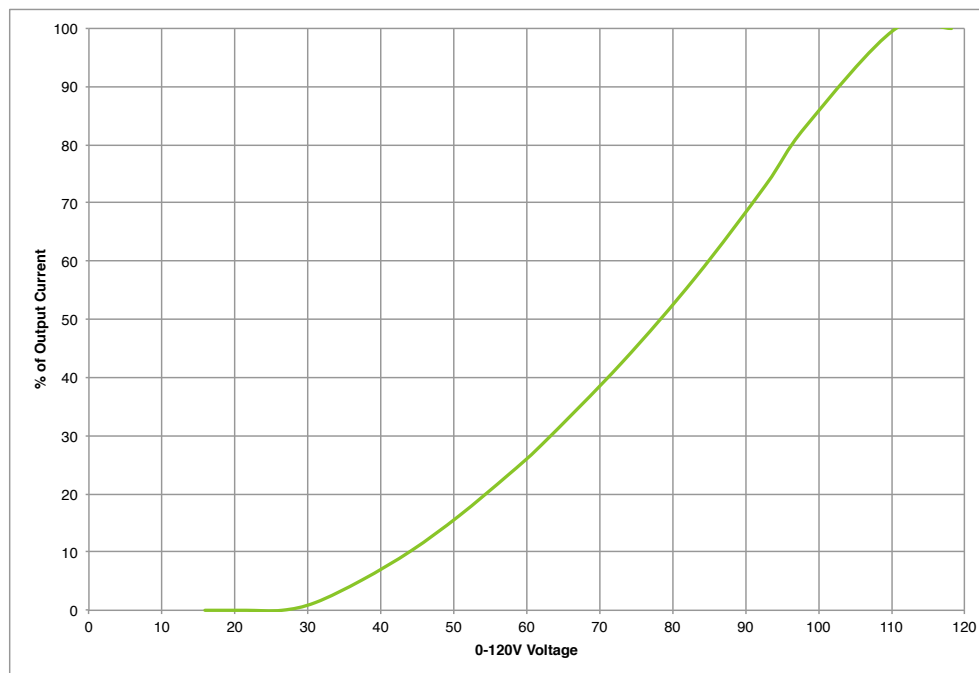
| Drive Factor | Part Number | Max Output mA                   | Voltage Range V | Max Output W |
|--------------|-------------|---------------------------------|-----------------|--------------|
| 0.63         | XP063       | 441                             | 20-46           | 21           |
| 0.60         | XQ060       | 420                             | 20-46           | 20           |
| 0.58         | XR058       | 406                             | 20-46           | 19           |
| 0.55         | XS055       | 385                             | 20-46           | 18           |
| 0.53         | XT053       | 371                             | 20-46           | 17           |
| 0.50         | XU050       | 350                             | 20-46           | 16           |
| 0.48         | XLA048      | Not Applicable<br>on XRC Models |                 |              |
| 0.45         | XLB045      |                                 |                 |              |
| 0.43         | XLC043      |                                 |                 |              |
| 0.40         | XLD040      |                                 |                 |              |
| 0.38         | XLE038      |                                 |                 |              |
| 0.35         | XLF035      |                                 |                 |              |
| 0.33         | XLG033      |                                 |                 |              |
| 0.30         | XLH030      |                                 |                 |              |
| 0.28         | XLI028      |                                 |                 |              |

Adjusted Output Current  
Tolerance +/- 3%

## OPERATING RANGE



## DIMMING



## LIFETIME (FULL LOAD)

**PENDING**

## TL INFORMATION

| Key Range   | Tref Max | Tref - Measured @ 40°C |
|-------------|----------|------------------------|
| 0.50 - 0.65 | 82°C     | 52°C                   |
| 0.68 - 0.80 | 90°C     | 58°C                   |
| 0.83 - 1.00 | 78°C     | 63°C                   |

## INRUSH CHARACTERISTICS

| Input Voltage Vin (Vrms) | Ipk (A) | T 50%pk (μS) |
|--------------------------|---------|--------------|
| 120                      | 3.75    | 37           |
| 277                      | 4.30    | 58           |

For Performance Curves, contact your sales representative.

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