

ADJUSTABLE CONSTANT CURRENT LED DRIVER XRC32 (0-10V) PROGRAMMABLE SPECIFICATIONS SHEET

ELECTRICAL SPECIFICATIONS

Input		
Input Voltage (VAC)	120-277V (+/-10%)	
Frequency Range (Hz)	50-60Hz	
	120V	277V
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 (A _{pk})	3.75	4.30
Output		
Output Current (mA)	350 - 700mA	
Output Voltage (VDC)	24 - 46V	
Output Ripple Current (mA)		
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	XRC32-0700Z-UNV-I
Type	Constant Current, Class 2
Output Power	32W (Maximum)
Programming Method	I-LOC Keys

DIMMING

Dimming Control	0-10V Dimming
Dimming Range	Dims to 1%*
Dimming Input Isolation	2.5kV
Source Current (Max)	1.2mA

*@277V dims to <10%.

ENVIRONMENTAL SPECIFICATIONS

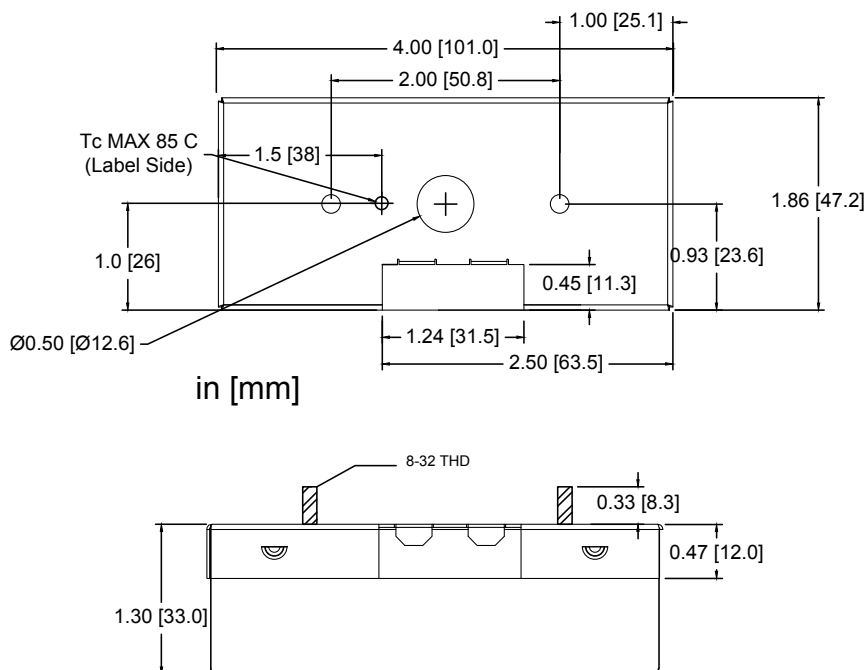
Minimum Operating Temperature	-30°C
Maximum Case Temperature (T _c)	85°C ¹
Maximum Storage Temperature	70°C
Maximum Relative Humidity (%)	85%, non-condensing
Transient Protection	NEMA SSL1-2010 Non-Roadway 2.5kV
UL Environment Rating	Dry & Damp
UL File Number	E341915
EMI Compliance	FCC Part 15 Class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

¹80°C Maximum Case Temperature for Warranty Purposes

WIRING

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

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.

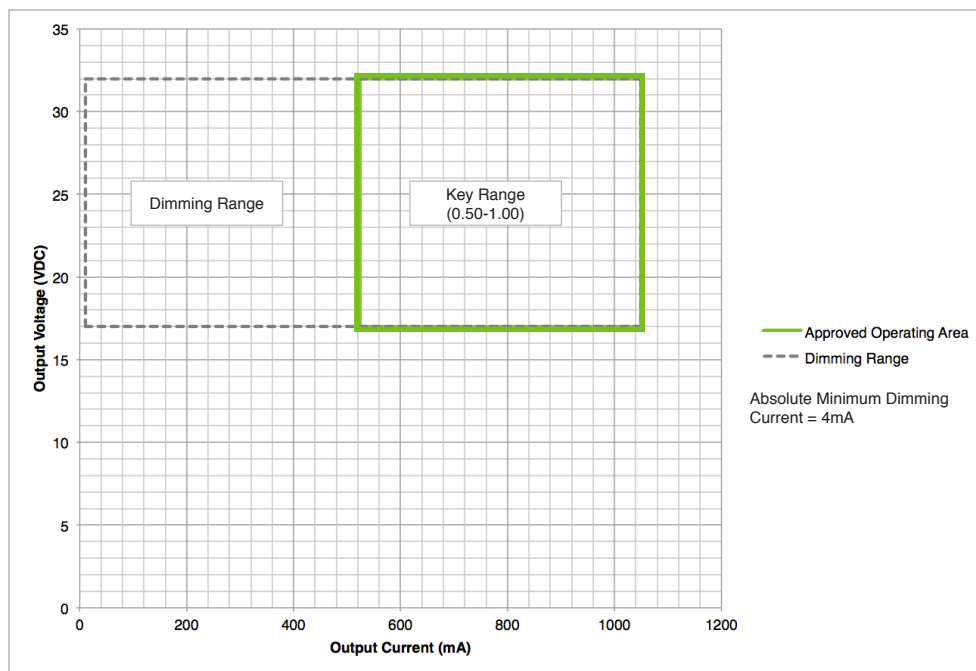
The keys are **Interchangeable** across the Hatch I-LOC LED Driver product family and have a 50% to maximum output range. The 0.28 to 0.48 keys are designed exclusively for the Linear I-LOC family.

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

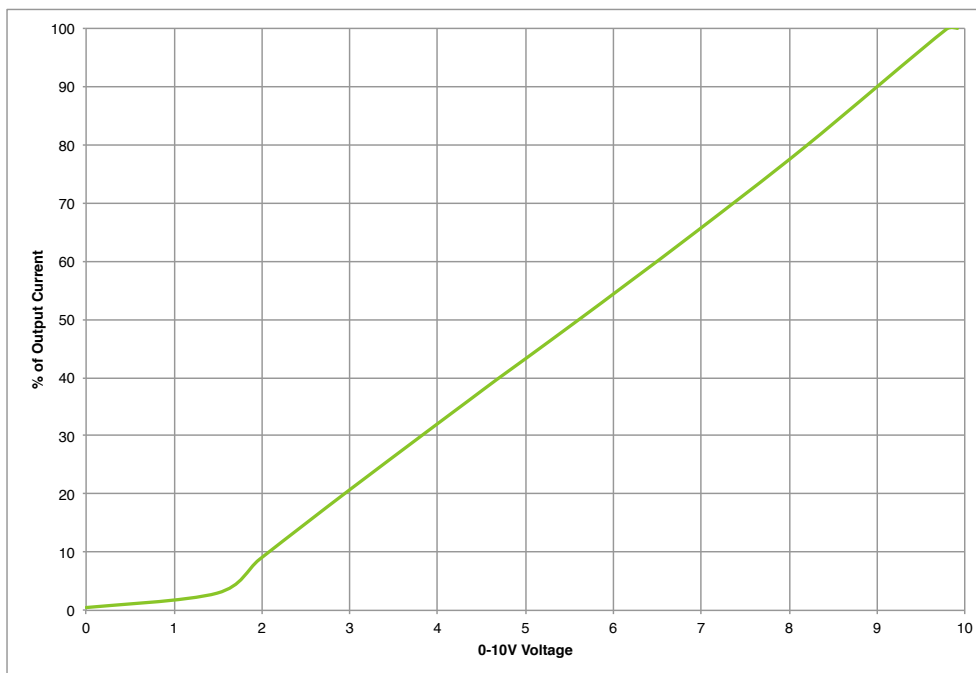
Drive Factor	Part Number	Max Output mA	Voltage Range V	Max Output W
0.63	XP063	441	24-46	21
0.60	XQ060	420	24-46	20
0.58	XR058	406	24-46	19
0.55	XS055	385	24-46	18
0.53	XT053	371	24-46	17
0.50	XU050	350	24-46	16
0.48	XLA048	Not Applicable on XRC Models		
0.45	XLB045			
0.43	XLC043			
0.40	XLD040			
0.38	XLE038			
0.35	XLF035			
0.33	XLG033			
0.30	XLH030			
0.28	XLI028			

Adjusted Output Current
Tolerance +/- 3%

OPERATING RANGE



DIMMING



*0-10V XRC drivers dim to 1% of the adjusted output current.

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	87°C	68°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.