

## XAC (0-10V) PROGRAMMABLE

## CASE: XAC METAL

### GENERAL INFORMATION

LED Drive Type	Programmable Constant Current, Class 2
Input Voltage	120-277 (+/-10%)
Input Frequency	50/60Hz
Programming Method	I-LOC Keys
Dimming Control	0-10V Dimming
Dimming Range	Dims to 1%*
Dimming Input Isolation	2.5kV
Source Current (Max)	1.2mA
Power Factor @ Full Load	>0.95%
Efficiency @ Full Load	>80%
LED Power Up Time	<500ms
Load Regulation	<3%
Line Regulation (Max Load)	<3%
Output Over Voltage Protection	Yes, Auto Recovery
Output Overload Protection	Yes, Auto Recovery
Output Short-Circuit Protection	Yes
Over Temperature Protection	Yes
EMI Compliance	FCC Part 15 Class B

\*Do not dim below 10% @ 277V



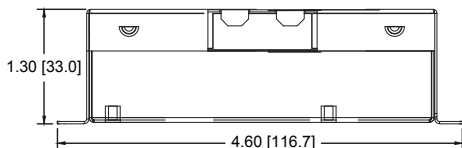
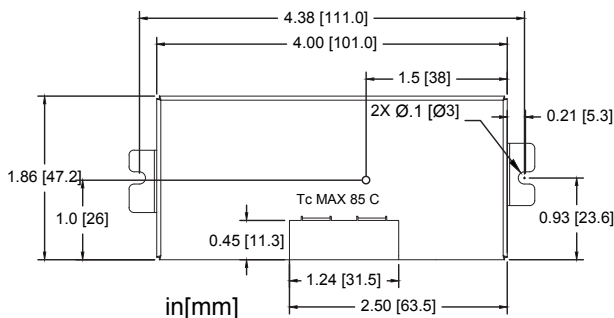
### ENVIRONMENTAL SPECIFICATIONS

Minimum Operating Temp.	-30°C
Maximum Case Temp. †	85°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

†80°C Maximum Case Temperature for Warranty Purposes

### ELECTRICAL SPECIFICATIONS

Max. Power (W)	Output Voltage (VDC)	Output Current (mA)	THD @ Full Load (120/277V)	Input Current (A) (120/277V)	Part Number
16W	24-46V	175-350mA	<10%/<15%	0.16/0.07	EL-XAC-16-350Z
32W	24-46V	350-700mA	<10%/<20%	0.32/0.14	EL-XAC-32-700Z



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" # 22AWG Red (+), Black/White (-)
Dimming:	6" #24AWG Purple (+), Grey (-)

### Packaging Information

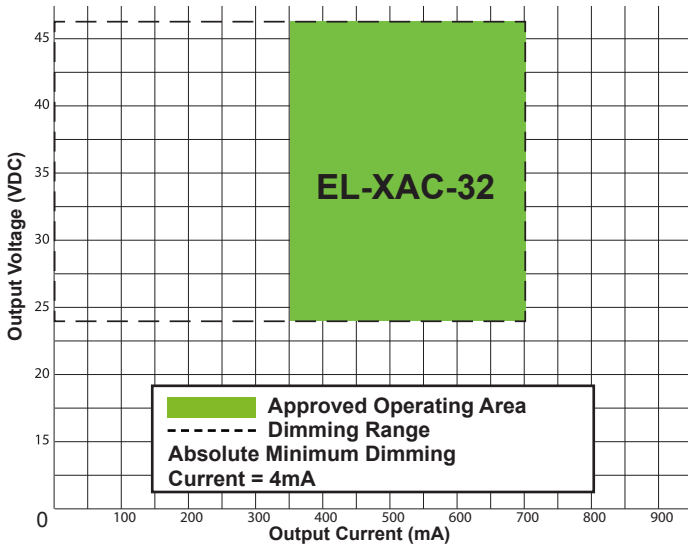
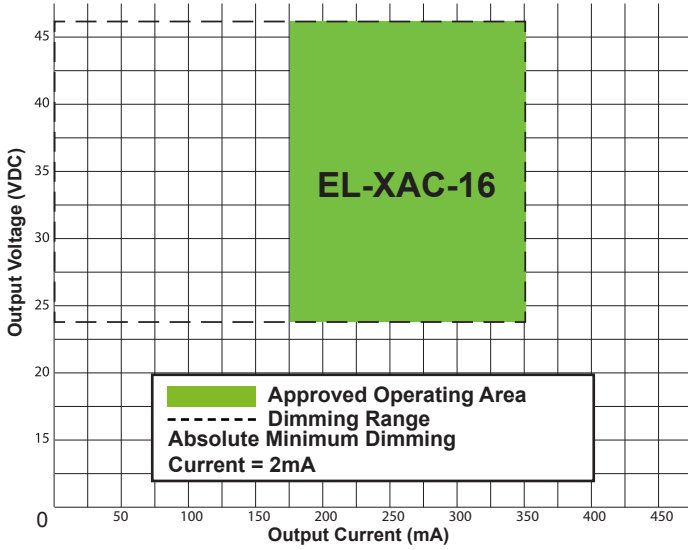
Weight:	0.57 lbs
Quantity:	50 pc/carton

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.

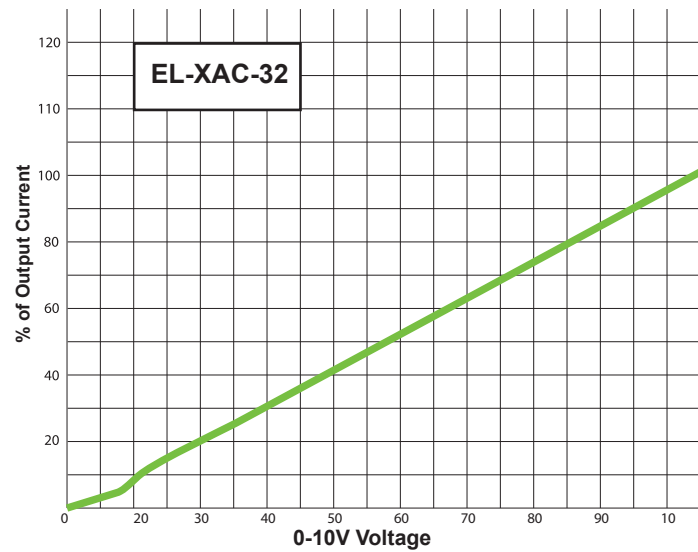
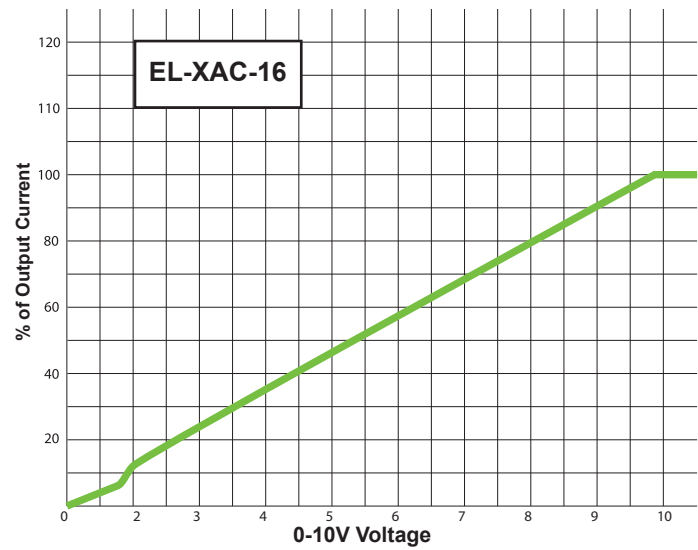
The keys are **Interchangeable** across the Hatch I-LOC LED Driver product family and have a 50% to maximum output range. The 0.28 to 0.48 keys are designed exclusively for the Linear I-LOC family.

MODEL		EL-XAC-16-350Z			EL-XAC-32-700Z					
Drive Factor	Part Number	Max Output (mA)	Voltage Range (V)	Max Output (W)	Max Output (mA)	Voltage Range (V)	Max Output (W)			
1.00	XA100	350	24-46	16	700	24-46	32			
0.98	XB098	343	24-46	16	686	24-46	32			
0.95	XC095	333	24-46	16	665	24-46	31			
0.93	XD093	326	24-46	15	651	24-46	30			
0.90	XE090	315	24-46	15	630	24-46	29			
0.88	XF088	308	24-46	15	616	24-46	29			
0.85	XG085	298	24-46	14	595	24-46	28			
0.83	XH083	291	24-46	14	581	24-46	27			
0.80	XI080	280	24-46	13	560	24-46	26			
0.78	XJ078	273	24-46	13	546	24-46	26			
0.75	XK075	263	24-46	13	525	24-46	25			
0.73	XL073	256	24-46	12	511	24-46	24			
0.70	XM070	245	24-46	12	490	24-46	23			
0.68	XN068	238	24-46	11	476	24-46	22			
0.65	XO065	228	24-46	11	455	24-46	21			
0.63	XP063	221	24-46	11	441	24-46	21			
0.60	XQ060	210	24-46	10	420	24-46	20			
0.58	XR058	203	24-46	10	406	24-46	19			
0.55	XS055	193	24-46	9	385	24-46	18			
0.53	XT053	186	24-46	9	371	24-46	17			
0.50	XU050	175	24-46	8	350	24-46	16			

### Operating Range

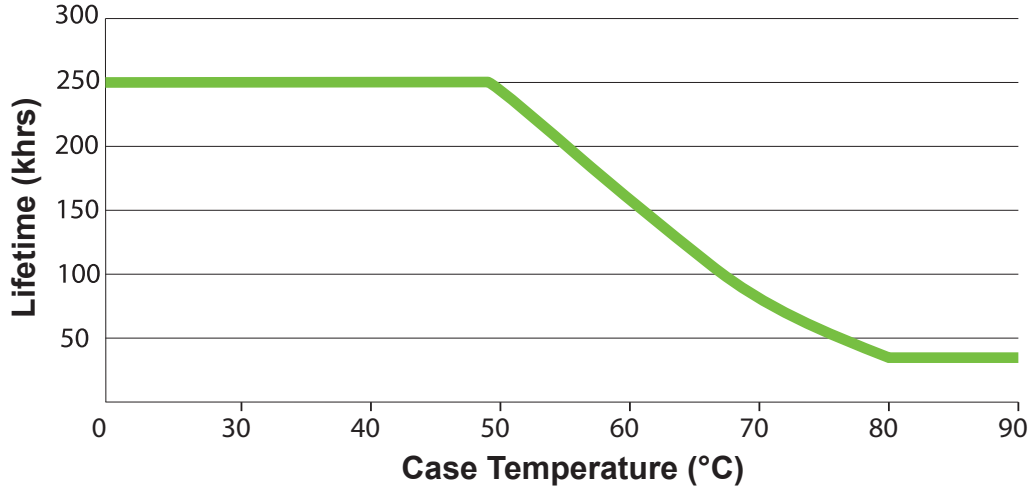


### Dimming Range



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

### Lifetime vs Case Temperature (Full Load)



### TL Information

Product	Key Range	Tref Max	Tref @ 40 °C
EL-XAC-16	0.50-0.65	90°C	66°C
	0.68-0.80	90°C	69°C
	0.83-1.00	90°C	61°C
EL-XAC-32	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

Product	Input Voltage Vin (vrms)	Ipk (A)	T 50%pk (µS)
EL-XAC-16	120	1.70	32
	277	2.76	33
EL-XAC-32	120	3.75	37
	277	4.30	58