



|                                 |                                        |
|---------------------------------|----------------------------------------|
| LED Drive Type                  | Programmable Constant Current, Class 2 |
| Input Voltage                   | 120-277 (+/- 10%)                      |
| Input Frequency                 | 50/60 Hz                               |
| 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%                                   |
| Start 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                    |

|                           |                    |
|---------------------------|--------------------|
| Minimum Operating Temp.   | -30° C             |
| Maximum Case Temp.        | +85° C             |
| Maximum Storage Temp.     | +70° C             |
| Maximum Relative Humidity | 85% Non-condensing |
| Transient Protection      | 2.5kV              |
| UL Environment Rating     | Dry and Damp       |
| Sound Rating              | Class A            |

**UL**<sup>®</sup>  
TYPE TL  
**US**

**FC**

**RoHS**  
COMPLIANT

- 5 year limited warranty

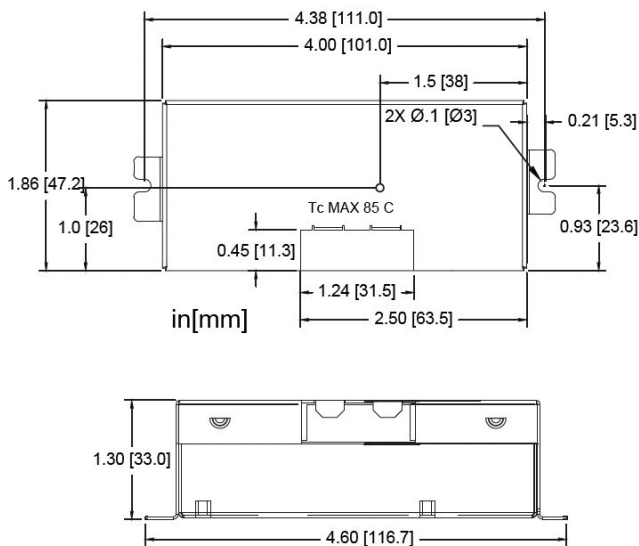
| Max. Power | Output Voltage (VDC) | Output Current (mA) | THD @ Full Load (120/277V) | Input Current (A) (120/277V) | Part Number       |
|------------|----------------------|---------------------|----------------------------|------------------------------|-------------------|
| 16W        | 24-46V               | 175-350mA           | <10%/<15%                  | 0.16/0.07                    | XAC16-0350Z-UNV-I |
| 32W        |                      | 350-700mA           | <10%/<20%                  | 0.32/0.14                    | XAC32-0700Z-UNV-I |
| 34W        | 17-32V               | 525-1050mA          |                            | 0.35/0.15                    | XAC34-1050Z-UNV-I |

# I-LOC<sup>®</sup>

## TECHNOLOGY

Key Programmable Constant Current LED Driver

### SIZING INFORMATION



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

### WIRING INFORMATION

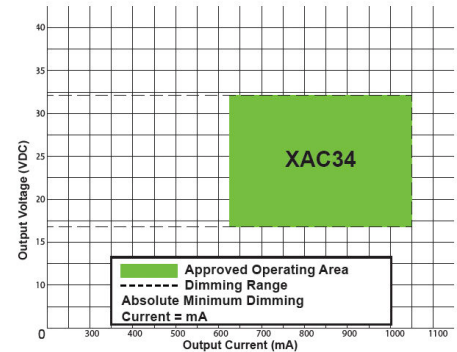
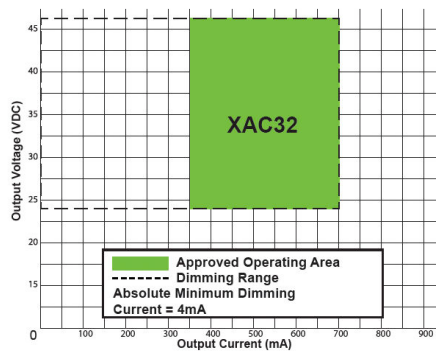
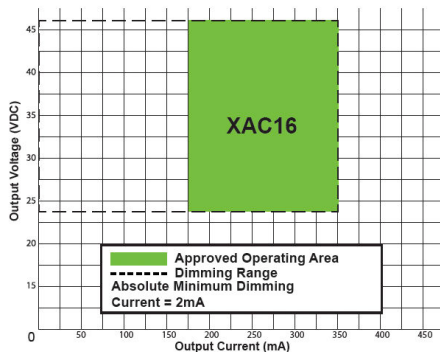
|         |                                               |
|---------|-----------------------------------------------|
| Input   | 6" # 18AWG<br>Black (L), White (N), Green (G) |
| Output  | 6" # 22AWG<br>Red (+), Black/White (-)        |
| Dimming | 6" #24AWG<br>Purple (+), Pink (-)             |

### PACKAGING INFORMATION

|                |               |
|----------------|---------------|
| Package Weight | 0.57 lbs      |
| Quantity       | 50 pcs/carton |

### PERFORMANCE CURVES

#### Operating Range



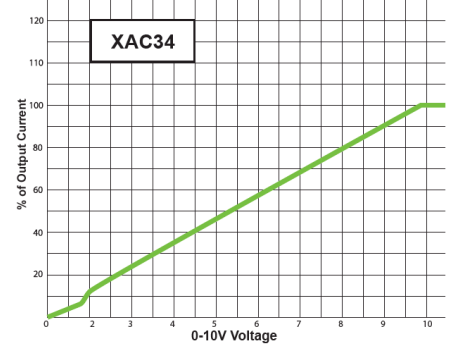
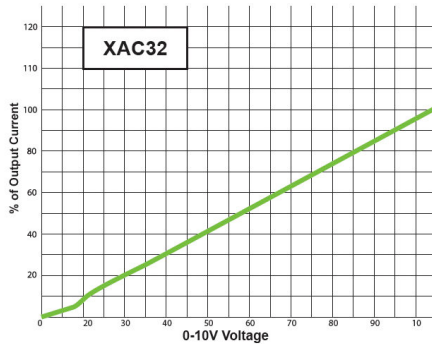
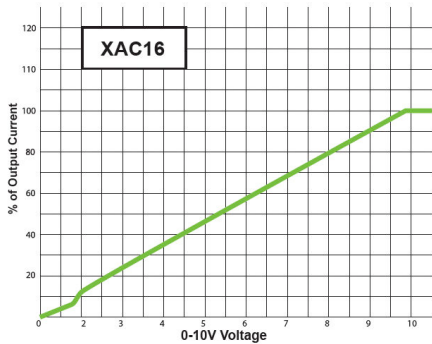
\*0-10V XAC drivers dim to 1% of the adjusted output current.

# I-LOC<sup>®</sup> TECHNOLOGY

Key Programmable Constant Current LED Driver

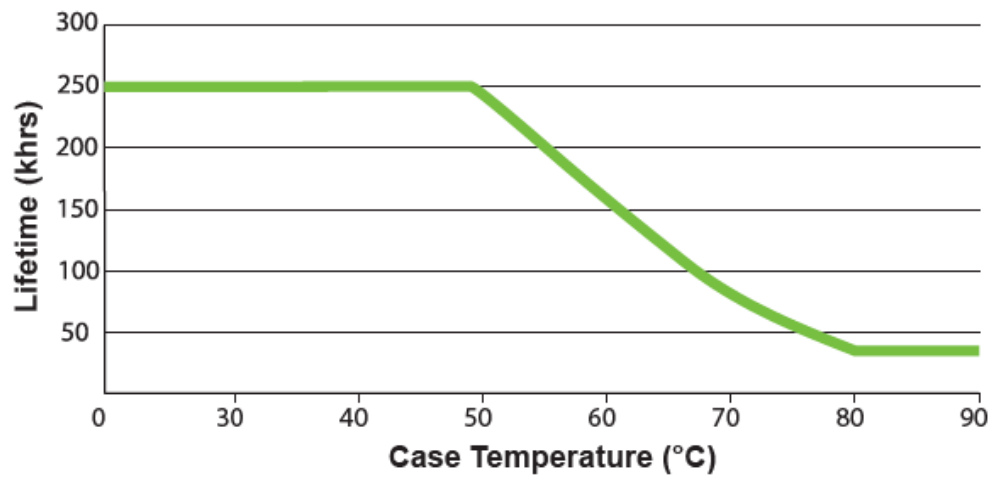
## PERFORMANCE CURVES

### Dimming Range



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

### Lifetime vs Case Temperature (Full Load)



# I-LOC<sup>®</sup>

## TECHNOLOGY

Key Programmable Constant Current LED Driver

### 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.

| Model        |             | XAC-16-0350Z-UNV-I |                   |                | XAC-32-0700Z-UNV-I |                   |                | XAC-34-1050Z-UNV-I |                   |                |
|--------------|-------------|--------------------|-------------------|----------------|--------------------|-------------------|----------------|--------------------|-------------------|----------------|
| Drive Factor | Part Number | Max Output (mA)    | Voltage Range (V) | Max Output (W) | 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             | 1050               | 17-32             | 34             |
| 0.98         | XB098       | 343                | 24-46             | 16             | 686                | 24-46             | 32             | 1029               | 17-32             | 33             |
| 0.95         | XC095       | 333                | 24-46             | 16             | 665                | 24-46             | 31             | 998                | 17-32             | 32             |
| 0.93         | XD093       | 326                | 24-46             | 15             | 651                | 24-46             | 30             | 977                | 17-32             | 32             |
| 0.90         | XE090       | 315                | 24-46             | 15             | 630                | 24-46             | 29             | 945                | 17-32             | 31             |
| 0.88         | XF088       | 308                | 24-46             | 15             | 616                | 24-46             | 29             | 924                | 17-32             | 30             |
| 0.85         | XG085       | 298                | 24-46             | 14             | 595                | 24-46             | 28             | 893                | 17-32             | 29             |
| 0.83         | XH083       | 291                | 24-46             | 14             | 581                | 24-46             | 27             | 872                | 17-32             | 28             |
| 0.80         | XI080       | 280                | 24-46             | 13             | 560                | 24-46             | 26             | 840                | 17-32             | 27             |
| 0.78         | XJ078       | 273                | 24-46             | 13             | 546                | 24-46             | 26             | 819                | 17-32             | 26             |
| 0.75         | XK075       | 263                | 24-46             | 13             | 525                | 24-46             | 25             | 788                | 17-32             | 26             |
| 0.73         | XL073       | 256                | 24-46             | 12             | 511                | 24-46             | 24             | 767                | 17-32             | 25             |
| 0.70         | XM070       | 245                | 24-46             | 12             | 490                | 24-46             | 23             | 735                | 17-32             | 24             |
| 0.68         | XN068       | 238                | 24-46             | 11             | 476                | 24-46             | 22             | 714                | 17-32             | 23             |
| 0.65         | XO065       | 228                | 24-46             | 11             | 455                | 24-46             | 21             | 683                | 17-32             | 22             |
| 0.63         | XP063       | 221                | 24-46             | 11             | 441                | 24-46             | 21             | 662                | 17-32             | 22             |
| 0.60         | XQ060       | 210                | 24-46             | 10             | 420                | 24-46             | 20             | 630                | 17-32             | 21             |
| 0.58         | XR058       | 203                | 24-46             | 10             | 406                | 24-46             | 19             | 609                | 17-32             | 20             |
| 0.55         | XS055       | 193                | 24-46             | 9              | 385                | 24-46             | 18             | 578                | 17-32             | 19             |
| 0.53         | XT053       | 186                | 24-46             | 9              | 371                | 24-46             | 17             | 557                | 17-32             | 18             |
| 0.50         | XU050       | 175                | 24-46             | 8              | 350                | 24-46             | 16             | 525                | 17-32             | 17             |

Adjusted Output Current Tolerance +/- 3%