

V-LOC[®]

TECHNOLOGY

KEY PROGRAMMABLE
CONSTANT VOLTAGE
LED DRIVERS

SALES PRESENTATION



BRINGING ARCHITECTURAL GRADE PERFORMANCE AND VERSATILITY TO CONSTANT VOLTAGE LIGHTING

WHAT IS V-LOC?

- V-LOC builds on Hatch's unique design for programmability that began with I-LOC – using insertable keys to allow the design engineer to create the output they want to design with. They accomplish this flexibility by locking a key into an integral slot on the LED driver.
- Using one SKU, engineers and system integrators can use whatever voltage they want in their fixture or installation. No matter what voltage they select, the full specifications and features of the LED driver are available.



V-LOC ADVANTAGES

SELECTABLE OUTPUT

- Some designers want to create a unique feature in their fixture using an LED load with a voltage different than the configurations in the market.
- Purchasing organizations are trying to reduce the number of SKUs.
- **One Hatch V-LOC SKU can output 12V, 24V, 36V, or 48V.**

DIMMING PROFILE

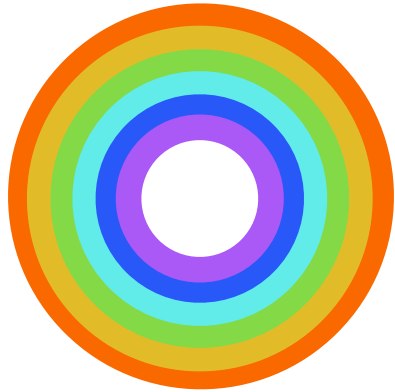
- We hear a lot of negative feedback from designers who want a smooth dimming profile but can't find it in available drivers in the market.
- Many dimming CV LED drivers have a minimum power out requirement such as 10% or 20% of max load.
- **Hatch V-LOC does away with minimum power requirements and can dim down to 1% plus dim-to-off.**

CONSTANT VOLTAGE

- Architectural lighting designers prefer constant voltage because of how well they can design consistency in light output and color uniformity. The market lacks good dimming control so sometimes designers settle for constant current designs.
- **Because V-LOC allows for selectable output voltage and output control using 0-10V, PWM, or Resistor input, designers are more inclined to use what they really want: constant voltage.**

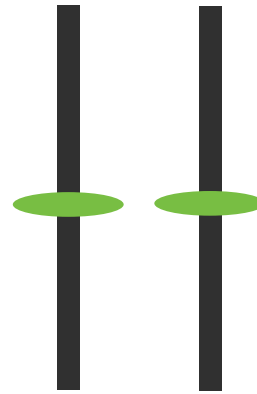
V-LOC KEY FEATURES

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COLOR

- No color shift during dimming – proprietary dimming control.
- Consistent dimming profile throughout the dimming range from fixture-to-fixture.



CONTROL

- Smooth, flicker-free 0-10V dimming down to 1%.
- Dim-to-Off
- TOUCH Dimmer can be used to commission lumen output for on-off installations.



VERSATILITY

- Key technology supports a variety of constant voltage LED loads from 12V to 48V with one driver. Fewer SKUs to stock.

TOUCH DIMMER

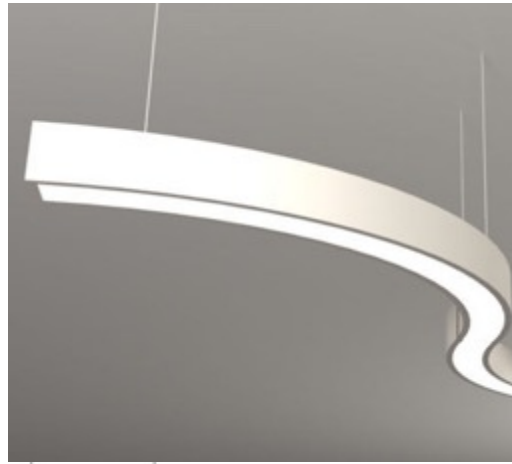
- The Hatch Touch Dimmer connects to the V-LOC driver with a simple 3.5mm jack and integral 6-foot cable.
- The Touch Dimmer can be used to control the brightness of an LED light as well as turn the LED light on and off.
- The Touch Dimmer can also be used to set the maximum brightness of the LED light when dimming is not required. After the brightness is set, the Touch Dimmer can be disconnected, and the LED light will come on again at the level that was set.

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V-LOC APPLICATIONS

ARCHITECTURAL
COMMERCIAL
HOSPITALITY

Linear Lighting
Rope Lighting
Track Lighting



V-LOC SPECIFICATION OVERVIEW

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Highlights:

- Constant Voltage Key Programmable Dimmable LED Driver provides flicker-free dimming down to 1% across multiple programmable outputs
- Technically superior dimming performance
- Architectural Grade Reliability
- 100% Designed in Tampa, Florida

Product Specs:

- Dimming: 0-10V and TOUCH Dimming down to 1%, Dim-To-Off
- Universal Input: 90VAC-305 VAC
- Programmable Output: 12*, 24, 36 or 48 VDC
- Output Power: 40W, 60W and 96W*
- No minimum load required
- UL Class 2 Outputs
- UL8750 Supplement SF Compliant: Isolated 0-10V
- UL/cUL Class P Listed
- Field Installable
- 2 Case Styles: Flying leads or built-in field wiring compartments with knockouts



*96W does not support 12 VDC

THE HATCH STORY

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Since 1985, Hatch Lighting has specialized in the design and manufacture of advanced electronic power supplies for lighting applications. Today, we offer a full range of LED drivers, Emergency Lighting Products, Surge Protection Devices, Ballasts and Transformers. With the introduction of V-LOC, Hatch continues the legacy of releasing unique and innovative products to meet the evolving demands of the lighting industry.

