Cove S

Features

- Light Source: 9 Quad-color RGBW LEDs at 2.5W
- LED Lifespan: 50,000 hours
- Native Beam Angle (Horizontal): 121.2°
- Lumen Output: 492
- Color Temperature Presets: 1,800K to 10,000K
- Control: Logic Drive 2X (required)
- Dimensions: 12 x 1.22 x 1.81 in (305 x 31 x 46 mm)
- Weight: 0.2 lb (0.1 kg)
- Lens Material: Clear Polycarbonate

Description

Iluminarc LOGIC Cove is a sleek and discreet LED strip luminaire designed for installation into tight spaces. With its high quality 4-color RGBW color mixing system, Cove provides soft, pleasing accent light and indirect illumination of bright, saturated colors and white calibrated CCT presets. Cove utilizes Power Over Ethernet (POE) technology, receiving power and control via an advanced driver. Powerful control options include Calendar Scheduling via onboard webserver, DMX, RDM, Art-Net, Art-RDM, sACN, or you can use the included 8-button wall controller to trigger customizable looks.

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Downloads

📄 Cove S Quick Reference Guide   📄 Cove S Cutsheet

📄 Cove S DMX Chart   📄 Cove S Photometrics Report

📄 Cove S IES

Specifications

Light Source and Optical Specifications

- Light Source: 9 LED (quad-color RGBW) 2.5 W, (870 mA)

- Light Source Life Expectancy: 50,000 hours based on LED manufacturer's specifications

- Installed Optics: Very Wide Filter

- Beam Angle: Open Optics: 121.9° (Horizontal), 122.9° (Vertical), Very Wide Filter: 136.8° (Horizontal), 130° (Vertical)

- Field Angle: Open Optics: 164.5° (Horizontal), 164.2° (Vertical), Very Wide Filter: 168.9° (Horizontal), 240.3° (Vertical)

- Cutoff Angle: Open Optics: 175.6°, Very Wide Filter: 186.4°

- Lumens: Open Optics: 509, Very Wide Filter: 391

- Iluminance: Open Optics: 6 lux @ 5 m, Very Wide Filter: 3 lux @ 5 m

- Efficacy At Full: Open Optics: 27 lm / W, Very Wide Filter: 21 lm / W

- Color Temperature Presets: 1800K - 10000K

Construction & Physical Specifications

- Dimensions: 12 x 1.22 x 1.81 in (305 x 31 x 46 mm)

- Lens Cover: Clear polycarbonate

- Mounting Options: Integrated mounting bracket, 0.157 in (4 mm) bracket holes

- Weight: 0.2 lb (0.1 kg)

Control Specifications

- Operating Modes: Selectable personalities, via Logic Drive 2X

- Personalities:

  - Red (1-channel): Red

  - Green (1-channel): Green

  - Blue (1-channel): Blue

  - White (1-channel): White

  - TW (2-channel): Dimmer, White CCT Preset

  - RGB (3-channel): Red, Green, Blue

  - RGBW (4-channel): Red, Green, Blue, White

  - RGBW+D (5-channel): Red, Green, Blue, White, Dimmer

  - FULL (10-channel): Dimmer, Red, Green, Blue, White, White CCT Presets, Strobe, Auto Programs, Dimmer Speed Presets

- Fixture Setup: Logic Drive 2X (RDM, Webserver or Display), Art-RDM (DMX Workshop)

- Standalone Control: Yes, Logic Wall Con via Logic Drive 2X

Electrical System Specifications

- Electronic

- Input Voltage: 52-56 VDC

- Power and Current:

  - 9.3 W Via POE

- Power Linking: 8 units per port via POE++, IEEE 802.11bt, type 4

- Power Supply: POE++, IEEE 802.11bt, type 4, class 8 (via Logic Drive 2X)

- Recommended Power Cable: Belden 2413F, 2412F

- Required Cable Specifications: Cable type: CAT6/A, Shielded, Conductor Diameter: ≥23 AWG (≥0.5733 mm), Conductor Material: Solid Bare Copper Wire (stranded not supported), Cable plug: RJ45, CAT6/A, Shielded, Cable Termination: T568B standard

- Total Max Cable Length: Drive to first fixture: ≤100 m / 328 ft, Drive to last fixture: ≤140 m / 460 ft, First fixture to last fixture: ≤40 m / 131 ft

Thermal Specifications

- BTU Hour: 31.7

- Cooling: Convection

- Maximum Surface Temperature: 158 °F (70 °C)

- Minimum Distance To Flammable Surface: 11.8 in (0.3 m)

- Operating Temperature Range: -4 °F to 113 °F (-20 °C to 45 °C)

Regulatory & Voluntary Qualification

- Canadian Safety: CSA-C22.2 No. 250.2

- Certification Listings: CE/MET/FCC/RoHS

- Environment Details: All indoor permanent installations. Please refer to the User Manual for more detailed information on installation.

- Environment Locations: Dry

- Installation Orientation: Any

- US Safety: UL 2108, UL 1598A

- Warranty: 36-month manufacturer's limited warranty (for covered regions only)

Accessories

- Included: Very wide filter (installed)

- Optional: RDM2GO

- Required: Logic Drive 2X

Order Code

- Logic Cove- small length-1ft / 305mm: LOGICCVS

- Logic Drive 2X: LOGICDRIVE2X

- Logic Wall Controller: LOGICWALLCON

Applications & Uses

Logic by Iluminarc

Sunrise, FL

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Accessories

Logic Drive 2X

Logic Wall
Controller