

Cove M

Features

- Light Source: 18 Quad-color RGBW LEDs at 2.5W
 - LED Lifespan: 50,000 hours
 - Native Beam Angle (Horizontal): 119.9°
 - Lumen Output: 711
 - Color Temperature Presets: 1,800K to 10,000K
 - Control: Logic Drive 2X (required)
 - Dimensions: 23.58 x 1.22 x 1.81 in (599 x 31 x 46 mm)
 - Weight: 0.6 lb (0.3 kg)
 - Lens Material: Clear Polycarbonate
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Description

Iluminarc Logic Cove M is a sleek and discreet architectural batten designed for permanent installation into tight spaces, behind decorative elements, or anywhere an accent of illumination is needed. With its four color RGBW system, Cove can provide everything from a soft and pleasing incandescent glow to bold pops of bright, saturated color. Cove uses Power Over Ethernet (POE) to keep cabling efficient and clean, and supports daisy-chaining using widely available Ethernet cable.


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Downloads

 [Cove M Quick Reference Guide](#)

 [Cove M DMX Chart](#)

 [Cove M Cutsheet](#)

 [Cove S Photometrics Report](#)

 [Cove M IES](#)

Specifications

Light Source and Optical Specifications

- Light Source: 18 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), 123.1° (Vertical), Very Wide Filter: 142.3° (Horizontal), 136.4° (Vertical)
- Field Angle: Open Optics: 164.8°(Horizontal), 165.5° (Vertical), Very Wide Filter: 246.9° (Horizontal), 169.7° (Vertical)
- Cutoff Angle: Open Optics: 176.7°, Very Wide Filter: 287.4°
- Lumens: Open Optics: 922, Very Wide Filter: 688
- Illuminance: Open Optics: 11 lux @ 5 m, Very Wide Filter: 6 lux @ 5 m
- Efficacy At Full: Open Optics: 37 lm / W, Very Wide Filter: 28 lm / W
- Color Temperature Presets: 1800K - 10000K

Construction & Physical Specifications

- Dimensions: 23.58 x 1.22 x 1.81 in (599 x 31 x 46 mm)
- Lens Cover: Clear polycarbonate
- Mounting Options: Integrated mounting bracket, 0.157 in (4 mm) bracket holes
- Weight: 0.6 lb (0.3 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:
 - 15 W Via POE
 - Power Linking: 5 units per port via POE++, IEEE 802.3 bt, type 4
 - Power Supply: POE++, IEEE 802.3 bt, 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
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Thermal Specifications

- BTU Hour: 51.1
 - 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)
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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)
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Accessories

- Included: Very wide filter (installed)
 - Optional: RDM2GO
 - Required: Logic Drive 2X
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Order Code

- Logic Cove- medium length-2ft / 610mm: LOGICCVMM
 - Logic Drive 2X: LOGICDRIVE2X
 - Logic Wall Controller: LOGICWALLCON
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Applications & Uses

Logic by Illuminarc

Sunrise, FL



Accessories



Logic Drive 2X



Logic Wall
Controller