

REVEAL COVE & PATHWAY

24VDC PLASTER-IN LED SYSTEM, RGB & RGB+W

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REV 05.16.25



Let The Drywall Be Your Canvas

DESCRIPTION

Reveal Cove/Pathway RGB & RGBW is Plaster-in 24VDC LED system that Recesses within 5/8" drywall without any joist modification. Redefining the relationship between Lighting and Interior Design, this innovative system blends seamlessly into the drywall, accenting architecture and serves as a practical wayfinding application. Available in 5 or 6 watts per foot, in RGB and RGB+White, and sold in 1' increments up to 20' (5WDC) and 15' (6WDC). PureEdge's RGB+White Soft Strip (SS6) provides dynamic color effects with red, green, blue plus white. Now offered with four choices of White; 2000K and special order in 2700K, 3000K, and 4000K. Our color-changing LED strip provides bright, continuous light, our focus on chromacity quality provides a balanced output across the color gamut, allowing the creation of millions of beautiful colors and pure white. Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

DESIGN NOTE

Reveal Cove/Pathway projects an indirect glow onto ceilings or floors to provide a glare-free architectural solution for both cove or pathway lighting applications.

ORDERING + INSTALLATION

Reveal can be secured to studs spaced 13"-24" apart or between studs with provided mounting clips. Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. Order in 1' increments, field-cutttable to any length.

INCLUDED COMPONENTS

Junction Box with Adjustable Mounting Bars, 6" Starter Piece, Reveal Channel(s), Power Feed End Cap, Junction Box Cover, Dead End Cap, Take-Up Box, Drywall Screws, and LED Strip

LAMP

- RGB: Dynamic Red, Green, and Blue
- RGB+W: Dynamic Red, Green, Blue plus 2000K
- RGB+W Special order in 2700K, 3000K, and 4000K
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

MAXIMUM LENGTHS BEFORE RE-FEEDING:

- 5WDC - 4.4 watts per foot - 20'
- 6WDC - 6.3 watts per foot - 16'

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

RGB

- [DMX & Controls](#)
- [DALI/DALI-2](#)

RGBW

- [DMX & Controls](#)
- [DALI/DALI-2](#)

*In-Wall Mounting and drop ceiling Kits available for select power supplies

APPLICATIONS

Designed for any indoor space with drywall, including damp locations. Ideal applications in residential, commercial, retail, and hospitality environments.

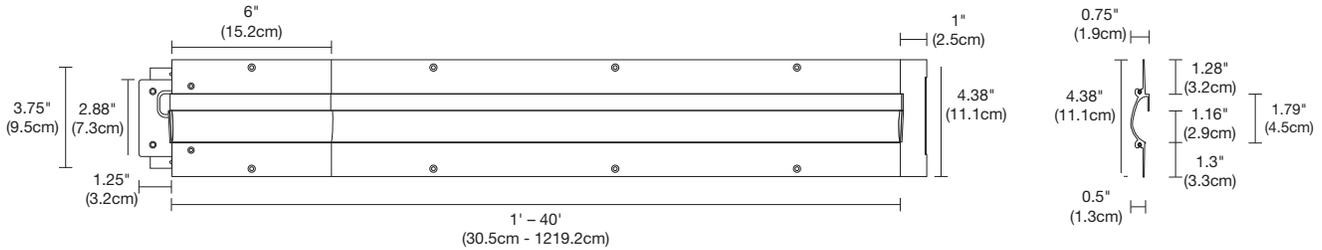
COMPLIANCE

ETL Listed, RoHS, Class 2, Damp Location, Assembled in the USA.

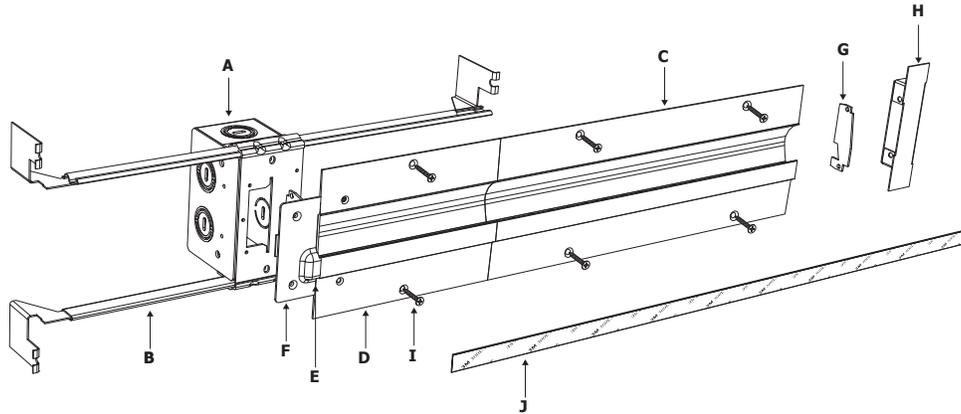
For quick & easy reference, plus the most up-to-date pricing, use our [Reveal Cove Pathway Configurator](#).

System	Watts Per Foot	Length in Feet	Color Temperature
RV	5WDC	20FT	RGB
RV Reveal	5WDC 4.4 Watts 6WDC 6.3 Watts	1-20FT 5WDC 1-16FT 6WDC	RGB Red, Green and Blue (5W only) RGB20K Red, Green, Blue + White 2000K RGB27K Red, Green, Blue + White 2700K Special Order RGB30K Red, Green, Blue + White 3000K Special Order RGB40K Red, Green, Blue + White 4000K Special Order

PROJECT	FIXTURE TYPE	DATE
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INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars, and includes a drywall template for accurate installation. Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Junction Box opening is concealed with the Reveal Junction Box cover and is required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces.

C. REVEAL CHANNEL

0.5" deep extrusion houses a single row of commercial-grade White or Dynamic Color Changing LED Strip.

D. REVEAL 6" STARTER PIECE

E. POWER FEED END CAP

Provides a connection area for 24VDC wires at beginning of run where LED Strip enters channel.

F. JUNCTION BOX COVER

Conceals Junction Box opening. Required at the beginning of each run.

G. DEAD END CAP PLATE

Provides a finished look and prevents light leak at feed-end of run where LED Strip exits channel.

H. TAKE-UP BOX

Prevents dark spots at end of run by tucking excess LED Strip safely behind wall.

I. DRYWALL SCREWS

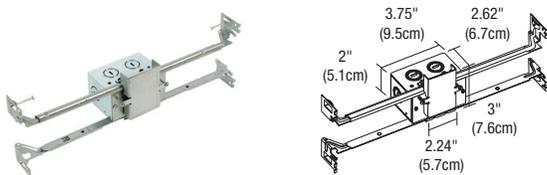
Secure channel to drywall and stud.

J. LED STRIP

(Back Side shown) commercial-grade White or Dynamic Color Changing LED Strip. See lamp data on for additional details.

JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with Reveal. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.



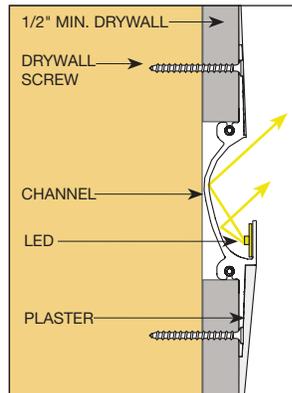
System	Size	Component
RV	1RE	JBOX
RV Reveal	1RE 1" Rectangle	JBOX Junction Box

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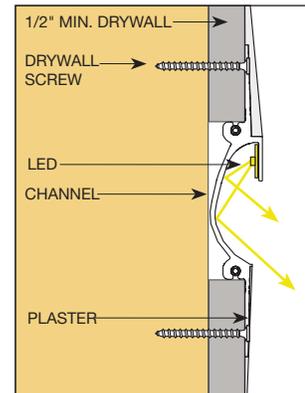
INSTALLATION



- A. DIMMER OR SWITCH**
- B. 120VAC WIRING TO 120V/24VDC REMOTE POWER SUPPLY**
- C. 24VDC, CLASS 2 WIRING**
- D. END FEED POWER CONNECTOR WITH JUNCTION BOX**
- E. TAKE-UP BOX**
- F. REVEAL CHANNEL**



■ Direction of Light
 Cove Up-Light



■ Direction of Light
 Pathway Down-Light

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5 WATTS PER FOOT

LENGTH IN FEET	WATTS						
1	5	6	30	11	54	16	78
2	10	7	34	12	58	17	82
3	16	8	40	13	64	18	88
4	20	9	44	14	68	19	92
5	24	10	48	15	72	20	96

6 WATTS PER FOOT

LENGTH IN FEET	WATTS						
1	6	5	30	9	54	13	78
2	12	6	36	10	60	14	84
3	18	7	42	11	66	15	90
4	24	8	48	12	72	16	96

PROJECT		FIXTURE TYPE		DATE	
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