

REVEAL COVE & PATHWAY

24VDC PLASTER-IN LED SYSTEM, WARM DIM

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REV 05.16.25



Let The Drywall Be Your Canvas

DESCRIPTION

Reveal Cove/Pathway 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. The system is sold in 1' increments up to 20' and can be cut in the field. Continuing to redefine the relationship between lighting and interior design, Reveal Wall Wash invokes dramatic yet refined illumination by highlighting art and creating depth of architectural features. The Reveal Wall Wash with Warm Dim technology (27D & 30D) mimics an incandescent atmosphere by decreasing the color temperature as you dim. Our Warm Dim strips can be dimmed all the way down to a soothing amber hue at 1800K, reminiscent of candlelight along the halogen curve. [Click here for all Other Color Temperatures](#). 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 Soft Strip

LAMP

- Warm Dim: **27D** and **30D** dim down to 1800K, resembling halogen light sources
- Lumen Performance: 298m/ft at 3000K (30D) 5W per foot
- CRI 95+
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

MAXIMUM LENGTHS BEFORE RE-FEEDING

- 5WDC - 4.8 watts per foot - 20'

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

24VDC, Class 2 wiring

- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)
- [Lutron Hi-Lume/Ecosystem](#)

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

MAKE IT SMART

[Pure Smart™ WiZ Pro Controls](#)

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.

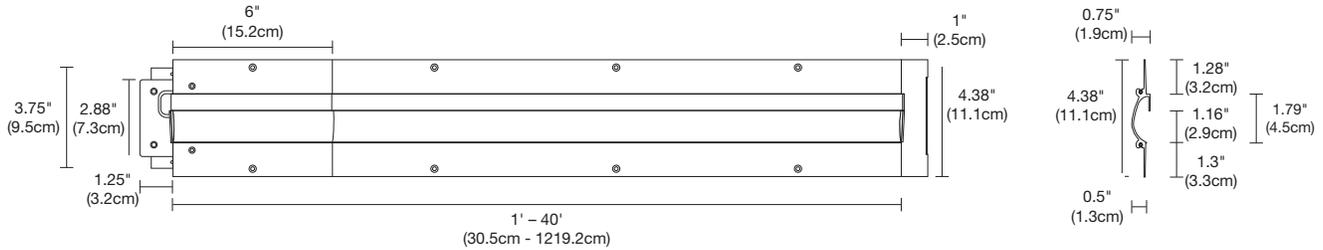
For quick & easy reference, plus the most up-to-date pricing, use our [Reveal Cove Pathway Configurator](#).

System	Watts Per Foot	Length in Feet	Color Temperature
RV	5WDC	20FT	ST27D
RV Reveal	5WDC 4.8 Watts	1-20FT	ST27D 2700K Warm Dim ST30D 3000K Warm Dim

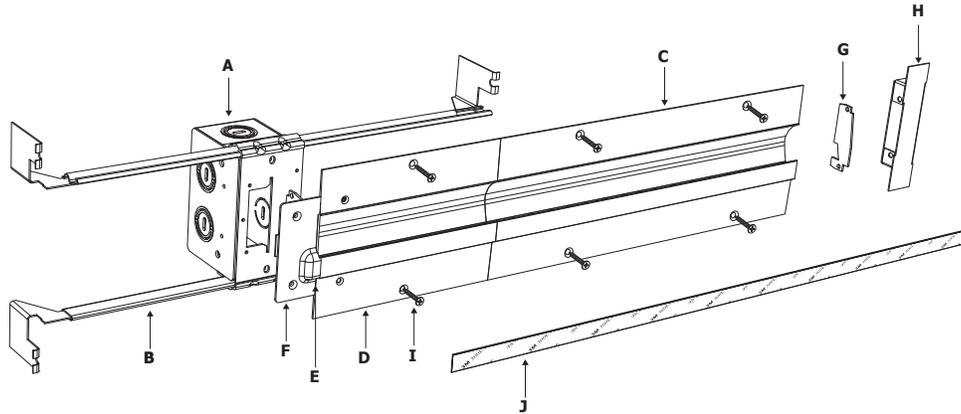
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INCLUDED COMPONENTS



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

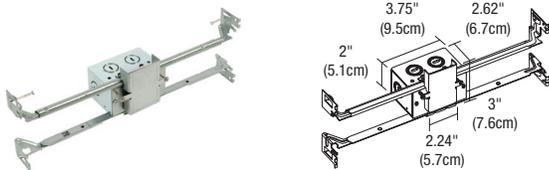
Secure channel to drywall and stud.

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.



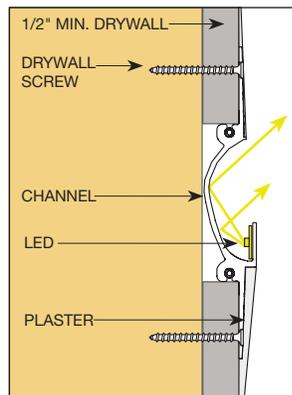
System	Size	Component
RV	1RE	JBOX
RV Reveal	1RE 1" Rectangle	JBOX Junction Box

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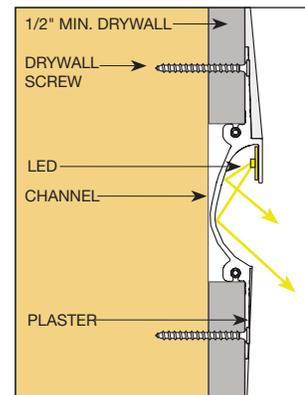
INSTALLATION



- 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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ST5A			
WATTS PER FOOT	4.8W		
COLOR TEMPERATURE	27D		30D
LUMENS PER FOOT (lm/ft)	286		298
LUMENS PER WATT (lm/w)	60		62
CRI	94+		94+
Rf	90		90
Rg	99		99

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

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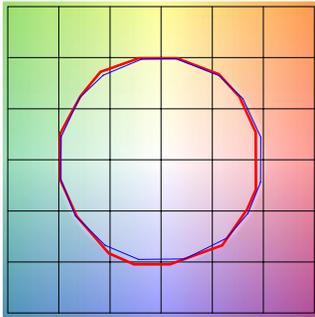
TM30 DATA

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TM-30-15 DATA: The data below is for bare LED Warm Dim Strip. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2700D | Rf: 90.7 | Rg: 101.1

Color Vector Graphic

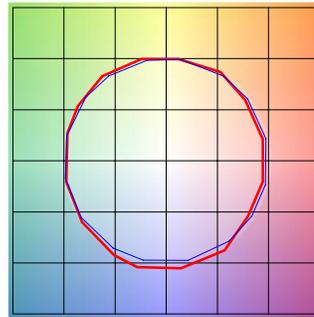


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.9	-4.1%	1.1%
2	91.8	-2.2%	3.2%
3	89.0	0.2%	5.0%
4	92.9	-1.1%	0.8%
5	93.9	1.1%	1.7%
6	93.3	3.3%	0.0%
7	93.1	-0.5%	-1.9%
8	97.2	-0.3%	-0.9%
9	93.4	-1.0%	3.2%
10	89.9	-0.1%	5.6%
11	87.0	4.7%	7.2%
12	89.2	5.8%	-0.2%
13	89.1	3.5%	-6.7%
14	86.3	4.1%	-9.2%
15	91.4	-2.0%	-3.6%
16	84.7	-2.1%	-10.3%

3000D | Rf: 90.6 | Rg: 101.1

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.5	-3.5%	1.3%
2	92.2	-1.8%	3.0%
3	89.3	0.5%	4.8%
4	92.7	-1.1%	0.6%
5	93.3	0.5%	1.4%
6	93.8	2.7%	-0.8%
7	91.2	-2.1%	-0.2%
8	97.0	-0.5%	-0.7%
9	92.5	-0.7%	3.8%
10	88.3	0.9%	7.1%
11	87.5	3.9%	7.6%
12	88.2	6.2%	-0.2%
13	89.9	3.4%	-6.0%
14	86.9	4.4%	-8.5%
15	91.9	-1.9%	-2.9%
16	84.7	-1.3%	-10.6%

PROJECT		FIXTURE TYPE		DATE	
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