



### Let The Drywall Be Your Canvas

#### DESCRIPTION

Reveal Cove/Pathway Tunable White 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 slim extrusions and LED strips are field-cuttable and ordered in 1' increments (up to 40' before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and Glare-free general illumination. Using the latest in LED technology, Dynamic Tunable White 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control and adjustment of color temperature and intensity from 2000K (Sunset) through 6500K (Day Light White). **2K6K**, Ideal for both residential including, dining rooms, bedrooms, bathrooms and commercial environments (27K6) including hospitality, healthcare, retail, education and more. Human-Centric lighting promotes, focus, performance, mood, and overall well-being by fine-tuning the emotional effects that light has on the circadian cycle. 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](mailto:design@PureEdgeLighting.com). [Click here for all Other Color Temperatures](#).

#### 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. The 2.5 Watt Reveal is ideal for pathway 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-cuttable 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

- Tunable White: 2000K-6500K (**2K6K**) or 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Lumen Performance: 476lm/ft at 3000K 7 watts per foot
- CRI 95+
- Average Lamp Life 50,000 hours

#### MAXIMUM LENGTHS BEFORE RE-FEEDING:

- 2WDC - 2.5 watts per foot - 40'
- 5WDC - 4.4 watts per foot - 20'
- 7WDC - 7.5 watts per foot - 12'

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

24VDC, Class 2 wiring

- Pure Smart™ WiZ Pro Connected [Power Supplies & Controls](#)
- [0-10V](#) Requires two dimmers, one for intensity and one for color temperature
- [DMX Dynamic Color Changing](#): Must be used with PureEdge [Controllers](#)

\*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.

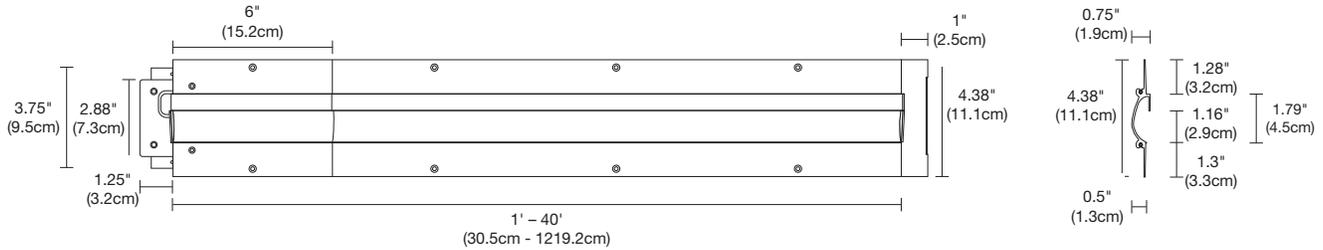
#### COMPLIANCE

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

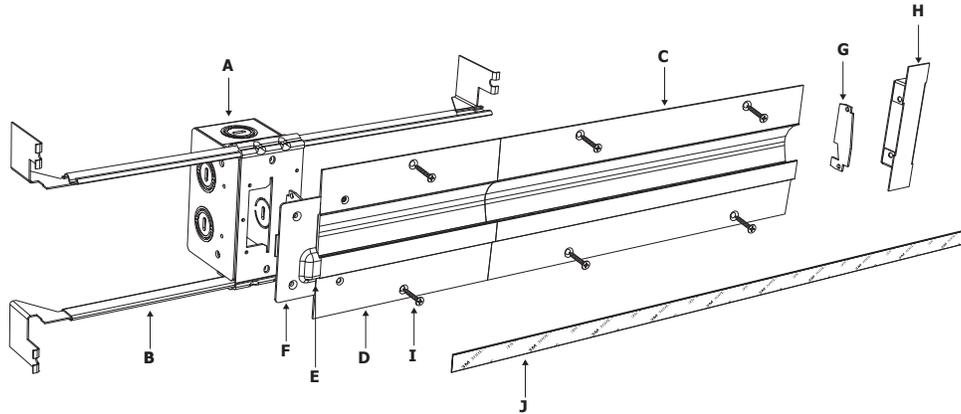
For quick & easy reference, plus the most up-to-date pricing, use our [Reveal Cove Pathway Configurator](#).

System	Watts Per Foot	Length in Feet	Color Temperature
<b>RV</b>	<b>2WDC</b>	<b>40FT</b>	<b>ST2K6K</b>
RV Reveal	2WDC 2.5 Watts 5WDC 4.4 Watts 7WDC 7.5 Watts	1-40FT 2WDC 1-20FT 5WDC 1-12FT 7WDC	ST2K6K Tunable White 2000K - 6500K ST27K6 Tunable White 2700K - 6500K

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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**

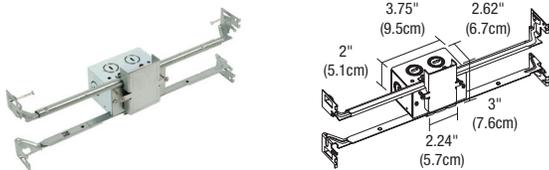
Secure channel to drywall and stud.

**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.

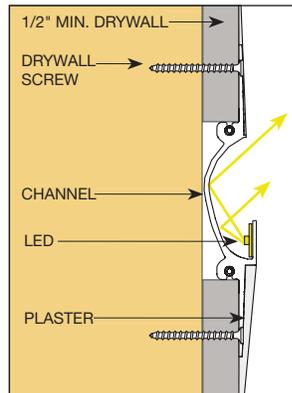


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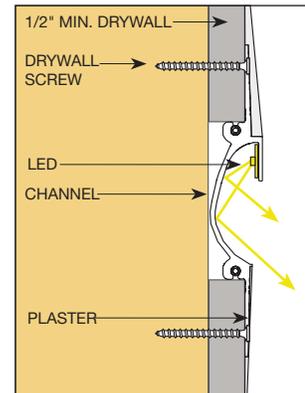
**INSTALLATION**



- 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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# REVEAL COVE & PATHWAY

## 24VDC PLASTER-IN LED SYSTEM, TUNABLE WHITE



REV 05.16.25

WATTS PER FOOT	ST2A 2K6K										ST5A 2K6K										ST7A 2K6K									
	2.5W										4.6W										7.5W									
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K			
LUMENS PER FOOT (lm/ft)	78	92	95	97	106	114	109	194	198	206	213	211	209	208	262	268	278	288	284	282	281	463	476	490	504	485	480			
LUMENS PER WATT (lm/w)	42	46	47	49	53	57	90	97	110	45	44	44	44	43	54	56	58	63	44	39	39	64	66	68	70	67	75			
CRI	91+	91+	91+	94+	93+	92+	92+	91+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+	91+	91+	91+	94+	93+	92+	92+	91+	91+			
Rf	90	90	90	90	90	90	91	87	87	90	90	90	90	90	90	91	87	87	90	90	90	90	90	90	91	87	87			
Rg	99	99	99	99	99	99	101	96	96	99	99	99	99	99	99	101	96	96	99	99	99	99	99	99	101	96	96			

WATTS PER FOOT	ST2A 27K6							ST5A 27K6							ST7A 27K6						
	2.5W							4.6W							7.3W						
COLOR TEMPERATURE	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	57K	65K	27K	30K	35K	40K	57K	65K			
LUMENS PER FOOT (lm/ft)	97	106	114	109	194	198	78	92	95	97	114	109	194	198	206	213	209	208			
LUMENS PER WATT (lm/w)	49	53	57	90	97	110	19	20	21	21	25	27	30	28	29	30	29	33			
CRI	94+	93+	92+	92+	91+	91+	92+	92+	92+	95+	93+	93+	92+	92+	92+	95+	93+	93+			
Rf	90.1	90.1	90.1	90.5	86.6	86.6	90	90	90	89	88	88	90	90	90	89	88	88			
Rg	99.4	99.4	99.4	100.8	96.4	96.4	99	99	99	99	98	98	99	99	99	99	98	98			

### 2.5 WATTS PER FOOT

LENGTH IN FEET	WATTS						
1	3	11	27	21	51	31	75
2	5	12	29	22	54	32	78
3	8	13	32	23	56	33	80
4	10	14	34	24	58	34	82
5	13	15	37	25	61	35	85
6	15	16	39	26	63	36	87
7	17	17	41	27	66	37	90
8	20	18	44	28	68	38	92
9	22	19	46	29	70	39	94
10	24	20	48	30	72	40	96

### 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

### 7 WATTS PER FOOT

LENGTH IN FEET	WATTS						
1	7.5	4	30	7	52.5	10	75
2	15	5	37.5	8	60	11	82.5
3	22.5	6	45	9	67.5	12	90

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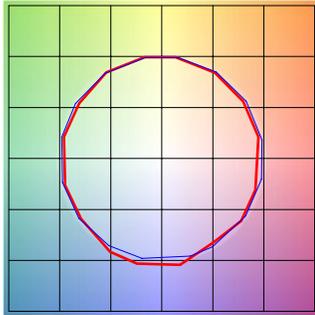
# TM30 DATA

## 24VDC PLASTER-IN LED SYSTEM, TUNABLE WHITE

**TM-30-15 DATA:** The data below is for Tunable White bare LED 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.

### 2000K ONLY (2K6K/27K6) | Rf: 90.6 | Rg: 98.5

Color Vector Graphic

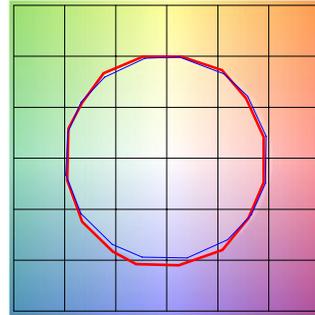


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.7	-5.5%	1.2%
2	88.7	-3.9%	4.2%
3	90.5	-1.5%	4.3%
4	95.0	-1.7%	0.8%
5	95.2	-0.2%	2.1%
6	94.2	1.6%	1.9%
7	95.9	-0.8%	-2.2%
8	95.5	-1.7%	1.3%
9	93.8	-1.4	2.6%
10	91.9	-0.7%	4.2%
11	91.3	3.6%	3.7%
12	91.2	4.2%	-1.0%
13	86.6	3.8%	-12.7%
14	67.2	-3.0%	-16.3%
15	84.9	-3.3%	-9.4%
16	84.2	-5.7%	-7.5%

### 3000K (2K6K/27K6) | Rf: 90.5 | Rg: 100.7

Color Vector Graphic

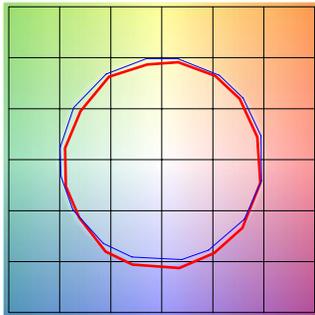


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.5	-3.5%	1.2%
2	92.4	-1.8%	2.7%
3	89.8	0.3%	4.5%
4	92.4	-1.7%	0.4%
5	93.3	-0.1%	1.4%
6	94.5	2.1%	-0.6%
7	91.0	-2.5%	0.3%
8	96.9	-0.8%	-0.2%
9	91.6	-0.9%	4.6%
10	86.7	0.7%	7.8%
11	86.3	3.8%	8.5%
12	88.3	6.1%	0.6%
13	90.9	3.1%	-5.2%
14	87.3	4.7%	-7.9%
15	92.1	-1.9%	-2.5%
16	84.5	-0.9%	-10.9%

### 4000K ONLY (2K6K/27K6) | Rf: 86.4 | Rg: 96.1

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	86.5	-5.5%	1.3%
2	90.4	-3.0%	2.3%
3	89.8	-2.1%	3.6%
4	89.1	-3.4%	0.4%
5	88.5	-5.9%	0.1%
6	93.6	-3.0%	-0.4%
7	88.9	-6.2%	1.7%
8	87.3	-5.0%	4.9%
9	82.4	-3.6%	11.3%
10	77.4	-1.8%	12.7%
11	79.8	4.9%	11.4%
12	88.7	4.4%	2.7%
13	88.7	4.0%	-5.1%
14	91.2	2.2%	-3.8%
15	82.7	-0.1%	-9.2%
16	82.8	-2.2%	-7.6%

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