



**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 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 Designer-grade Color Rendering LEDs (95+ CRI). Reveal is offered in multiple wattage and color temperatures ranging from 2400K through 4000K. [Click here for all Other Color Temperatures](#). Remote Power Supply is required and ordered separately. 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).

**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.

**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'
- 10WDC - 9.6 watts per foot - 10'

**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**

- Offered in multiple Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K & 4000K
- Lumen Performance: 557lm/ft at 3000K 10 watts per foot
- CRI 95+ LEDs
- 2, 5, 7 or 10 watts per foot
- 50,000 Hour Lamp Life
- For additional color temperatures refer to other specifications

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

- 24VDC, Class 2 wiring
- Pure Smart™ WiZ Pro [Power Supplies](#) & [Smart Controls](#)
  - [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](#).

PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.

PROJECT		FIXTURE TYPE		DATE	
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# REVEAL COVE & PATHWAY

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

### 2W, 5W & 7W

System	Watts Per Foot	Length in Feet	Color Temperature
<b>RV</b>	<b>5WDC</b>	<b>20FT</b>	<b>ST27K</b>
RV Reveal Cove/Pathway	<b>2WDC</b> 2.5 Watts <b>5WDC</b> 4.4 Watts <b>7WDC</b> 7.5 Watts	<b>1-40FT</b> 2WDC <b>1-20FT</b> 5WDC <b>1-12FT</b> 7WDC	<b>ST24K</b> 2400K Very Warm White <b>ST27K</b> 2700K Incandescent White <b>ST30K</b> 3000K Warm White <b>ST35K</b> 3500K Neutral White <b>ST40K</b> 4000K Cool White

### 10W

System	Watts Per Foot	Length in Feet	Color Temperature
<b>RV</b>	<b>10WDC</b>	<b>1-10FT</b>	<b>27K</b>
RV Reveal Cove/Pathway	<b>10WDC</b> 9.6 Watts	<b>1-10FT</b> 10WDC	<b>24K</b> 2400K Very Warm White <b>27K</b> 2700K Incandescent White <b>30K</b> 3000K Warm White <b>35K</b> 3500K Neutral White <b>40K</b> 4000K Cool White

	ST2A					ST5A					ST7A					SS10				
WATTS PER FOOT	2.5W					4.4W					7.5W					9.6W				
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	134	135	141	162	171	248	250	261	299	316	383	387	403	462	487	464	509	557	638	693
LUMENS PER WATT (lm/w)	54	54	56	65	68	56	57	59	68	72	52	53	55	63	67	48	53	58	66	72
CRI	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+	92+
Rf	90	89	89	88	87	90	90	89	88	87	90	90	89	88	87	90	90	89	88	87
Rg	99	98	98	97	97	99	98	98	97	97	99	99	98	97	97	99	99	98	97	97

**LENGTH LOAD CHARTS:** To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

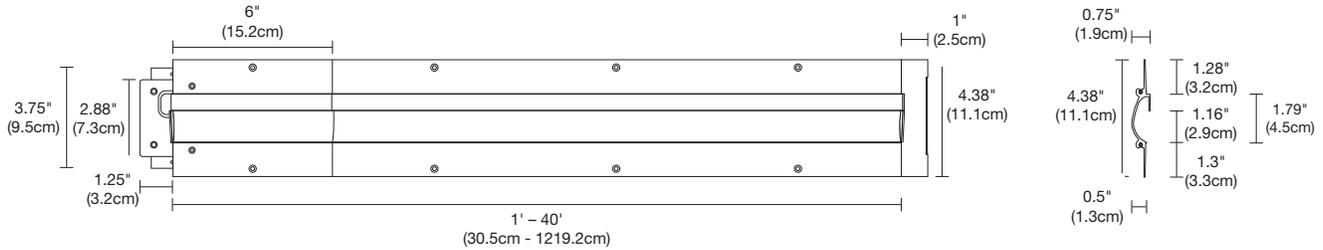
2 WATTS PER FOOT			
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	3	21	51
2	5	22	54
3	8	23	56
4	10	24	58
5	13	25	61
6	15	26	63
7	17	27	66
8	20	28	68
9	22	29	70
10	24	30	72
11	27	31	75
12	29	32	78
13	32	33	80
14	34	34	82
15	37	35	85
16	39	36	87
17	41	37	90
18	44	38	92
19	46	39	94
20	48	40	96

5 WATTS PER FOOT	
LENGTH IN FEET	WATTS
1	5
2	10
3	16
4	20
5	24
6	29
7	34
8	38
9	43
10	48
11	53
12	58
13	63
14	67
15	72
16	77
17	82
18	87
19	91
20	96

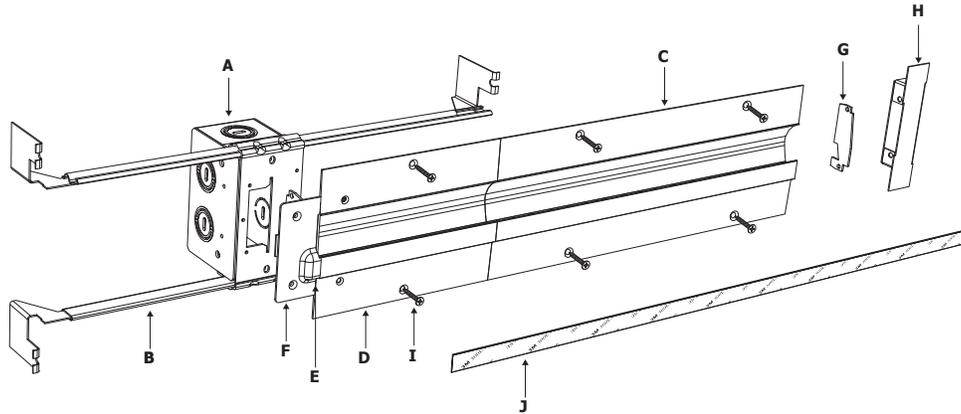
7 WATTS PER FOOT	
LENGTH IN FEET	WATTS
1	8
2	15
3	23
4	30
5	38
6	45
7	53
8	60
9	68
10	75
11	83
12	90

10 WATTS PER FOOT	
LENGTH IN FEET	WATTS
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

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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**

Provides flexibility for mounting in a variety of spaces.

**C. REVEAL CHANNEL**

0.5" deep extrusion houses a single row of LED Strip.

**D. 6" STARTER PIECE**

Provides power at the beginning of each run.

**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**

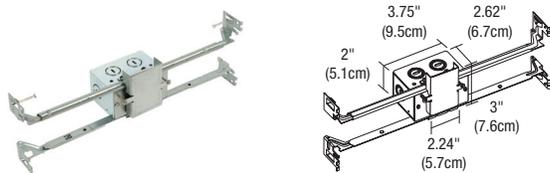
Secure channel to drywall and stud.

**J. LED STRIP**

LED strip (back side shown). See lamp data on for additional details.

**JUNCTION BOX ROUGH-IN COMPONENT**

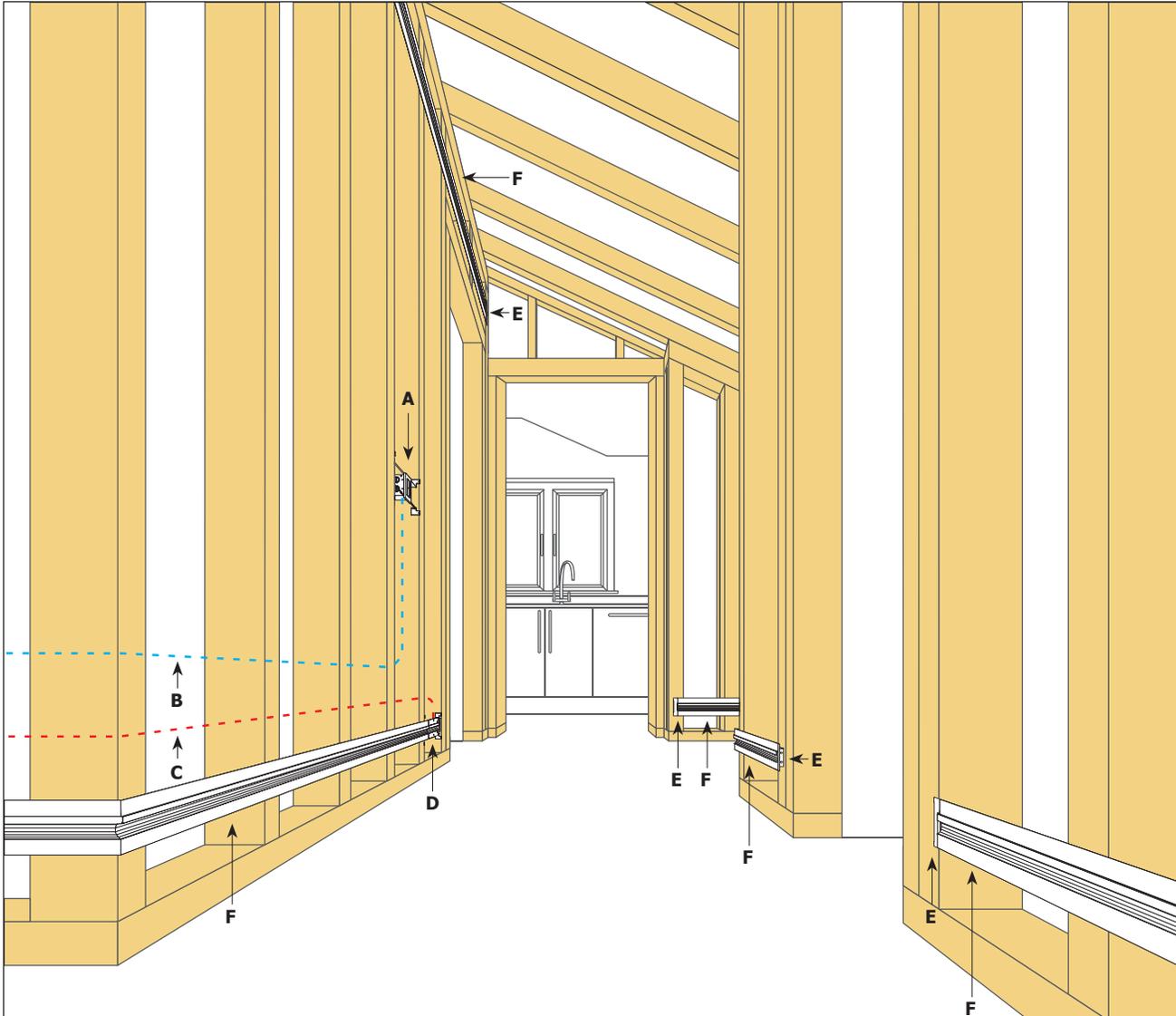
One Junction Box is included with Reveal. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.



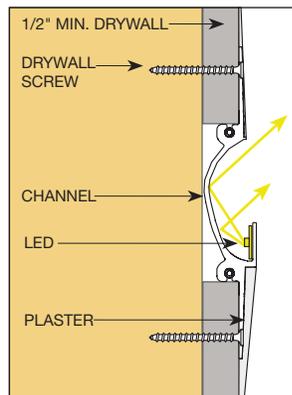
System	Size	Component
<b>RV</b>	<b>1RE</b>	<b>JBOX</b>
RV Reveal	1RE 1" Rectangle	JBOX Junction Box

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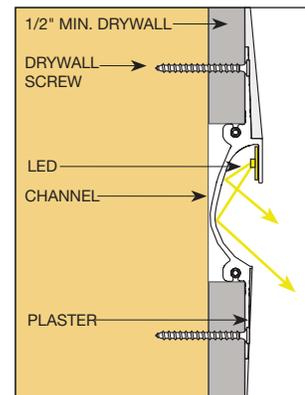
**INSTALLATION**



- 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

PROJECT		FIXTURE TYPE		DATE	
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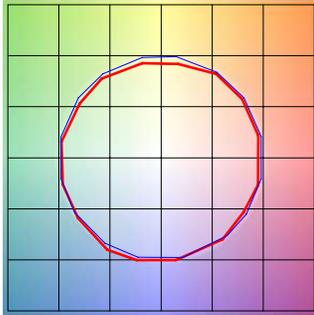
# TM30 DATA

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

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

**2400K** | Rf: 84.5 | Rg: 94.4

Color Vector Graphic

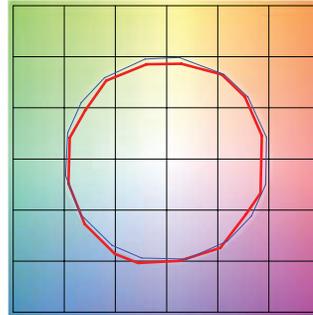


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92	-2.4%	1.5%
2	94.7	-2.1%	-0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

**2700K** | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

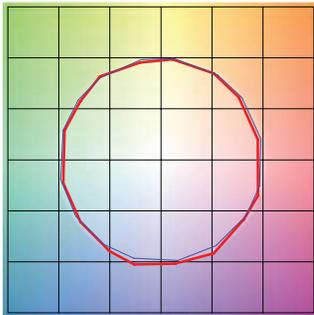


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

**3000K** | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

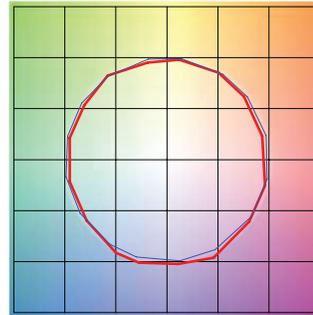


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

**3500K** | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

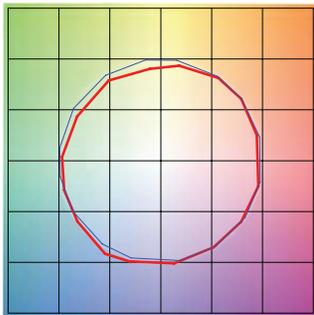


■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

**4000K** | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT		FIXTURE TYPE		DATE	
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