**(II)**.



Description: Reveal BIY, a 24VDC linear LED system features a shallow, plaster-in aluminum extrusion no thicker than drywall. The system May be secured directly to studs without joist modification and plasters into 1/2 inch or thicker drywall, or between studs with mounting clips provided. Sold in 1 foot increments up to 40 feet (2WDC), 36 feet (3WDC), 16 feet (6WDC), 12 feet (7WDC), or 10 feet (10WDC) and may be field-cut to any length. Several color temperature options are available, including 24K - 57K (ELV/010), Warm Dim (ELV), Tunable White (ELV/010/DMX), RGB and RGBW (DMX). High CRI commercialgrade white or dynamic color-changing LED Soft Strip projects a clean line of light. Coordinate installation with electrician and drywall contractors. Includes a 5-year pro-rated warranty.

Design Note: Reveal BIY projects an indirect glow onto ceilings or floors to provide a glare-free solution for both cove or pathway lighting applications. The 2.5 watt Reveal BIY is ideal for pathway applications. For cove, use 5, 7.5, or 10 watt Reveal BIY.

Applications: Indoor damp or dry locations only. Toe-kicks and cove lighting for office, residential, retail, hospitality, and institutions.

#### Lamp: The average LED Life is 50,000 hours

•								
Watts	Lun	nens	85+CRI	90+CRI	92+CRI	95+CRI	RGB	RGBW
per Foot	per Watt	per Foot	24k, 35K, 40K, 57K	2K4K	27D, 30D	27K, 30K		
2WDC (2.5WDC)	55	179	•			•		
3WDC	N/A	N/A					٠	
5WDC	46	246	•	•	•	•	٠	
6WDC	N/A	N/A						•
7WDC (7.5WDC)	52	453	•			٠		
10WDC	50	580	•	•		•		

es are based on the 3000K LED test.

#### Remote Power Supplies\*, Dimmers & Controls (Sold Separately):

- Electronic Low Voltage Dimming (ELV)
- 0-10 Volt Dimming (0-10V) .
- Dynamic Color Changing (DMX)

\*In-Wall Mounting Kits available for select power supplies

Included Components: 8 Foot Channel, End Feed Power Channel Connector, Junction Box, Take-Up Box, Channel Joiners, Soft Strip Solderless Snap & Light Straight Joiner, LED Soft Strip(s)

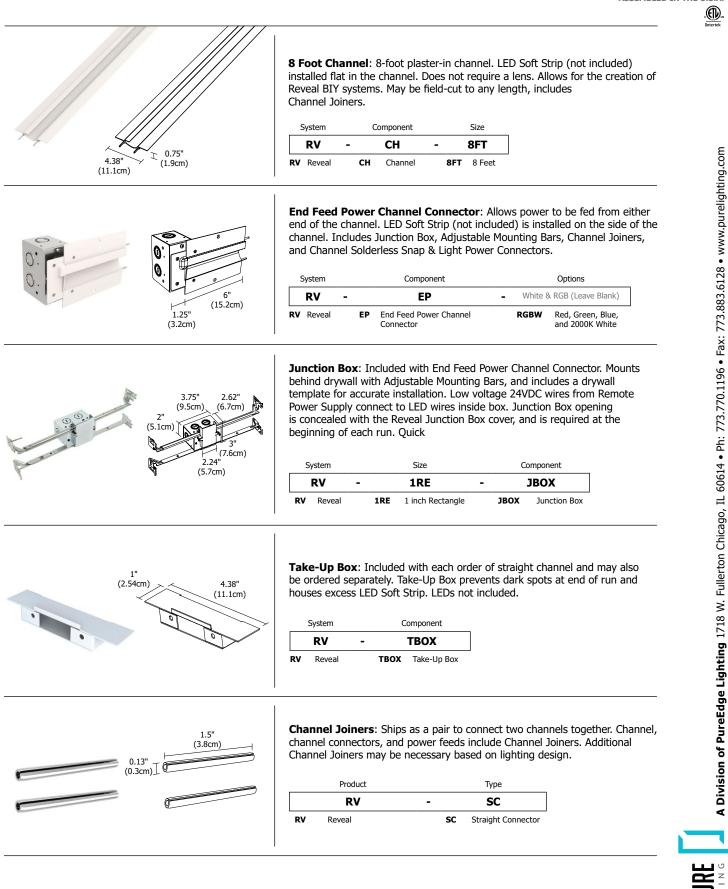


For custom design and layout
assistance, send drawings to
design@PureEdgeLighting.com

For

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section of LED Soft Strip.

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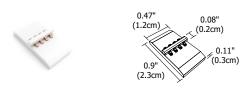
SLC SLC-RGBW

Product

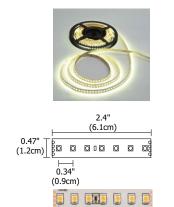
СН

CH Channel

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# LED SOFT STRIP



2.4" (6.1cm)

3" (7.6cm)

ğan adı adı adı adı adı adı

0.36

(0.9cm)

0.47"

(1.2cm)

0.47

(1.2cm)

0.36

(0.9cm)

0.34" (0.9cm) **SS2C White LED Soft Strip:** Commercial-grade LED Soft Strip with high CRI LEDs, offering superior color rendering and enhanced color. Flexible copper strip with optically clear protective coating, and industrial strength  $3M^{TM}$  tape backing. Dims with ELV or 0-10V dimmers (sold separately).

**Soft Strip Solderless Snap & Light Straight Joiner:** Sold separately, and joins 2 sections of LED Soft Strip in the channel. Used when replacing a

Туре

SLC

Snap & Light Straight Joiner, 4 wire (27K-57K, 27D, 30D, and 2K4K) Snap & Light Straight Joiner, 5 wire (RGB+W)

System	Voltage	Length in Feet	Color Temperature					
SS2C	- 24V	- 40	- 27K					
SS2C 2.5W LED Soft Strip	24V 24 Volt	1-40 1 foot increments up to 40 feet	24K 2400K Amber White 35K 3500K Neutral White   27K 2700K Very Warm White 40K 4000K Cool White   30K 3000K Warm White 57K 5700K Daylight White					

**SS5C White LED Soft Strip:** Commercial-grade LED Soft Strip with high CRI LEDs, offering superior color rendering and enhanced color. Flexible copper strip with optically clear protective coating, and industrial strength  $3M^{TM}$  tape backing. Dims with ELV or 0-10V dimmers (sold separately).

System	Voltage	Length in Feet	Color Temperature				
SS5C - 24V -   SS5C 4.4W LED Soft Strip 24V 24 Volt -		20	- 27K				
		1-20 1 foot increments up to 20 feet	24K2400K Amber White35K 3500K Neutral White27K2700K Very Warm White40K 4000K Cool White30K3000K Warm White57K 5700K Daylight White				

**SS5C Warm Dim LED Soft Strip:** Commercial-grade LED Soft Strip with high CRI LEDs, offering superior color rendering and enhanced color. Flexible copper strip with optically clear protective coating, and industrial strength 3M<sup>™</sup> tape backing. Dims with ELV dimmers (sold separately) and dim to 2200K.

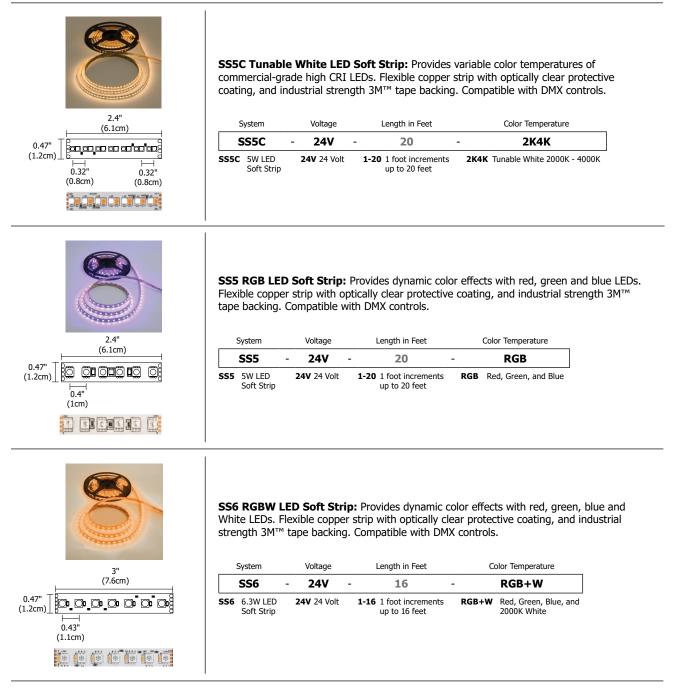
System Voltage			Length in Feet		Color Temperature			
SS5C	- 24V	-	20	-		27D		
SS5C 5W LED Soft Strip	24V 24 Volt		1-20 1 foot increments up to 20 feet		27D 30D	2700K Warm Dim 3000K Warm Dim		



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## LED SOFT STRIP

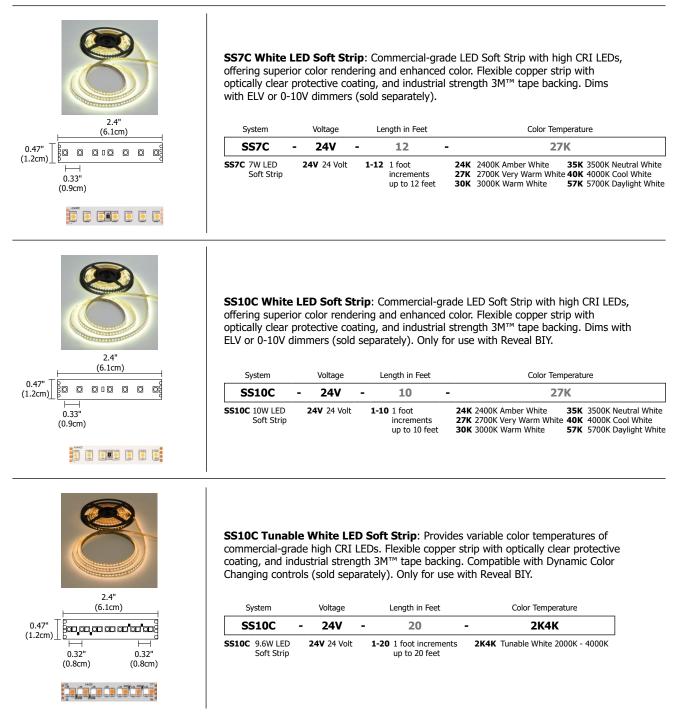




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LED SOFT STRIP



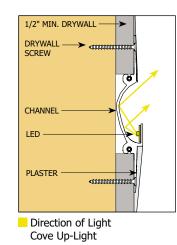


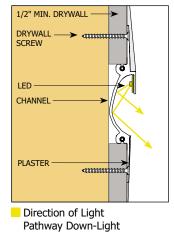
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- A. Dimmer or Switch
- **B.** 120VAC wiring to 120V/24VDC remote power supply, for In-Wall Mounting Kit
- **C.** 24VDC, Class 2 wiring
- **D.** End Feed Power Connector with Junction Box
- E. Take-Up Box
- F. Reveal Channel





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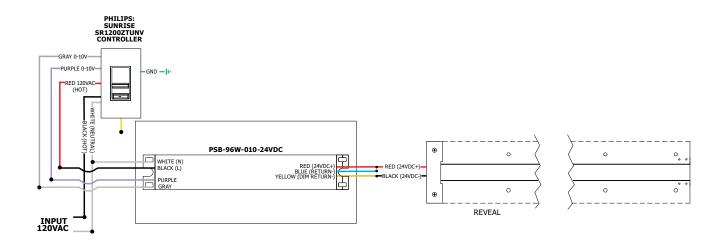
#### Application: 0-10V dimming for Reveal BIY

Power Supply: PSB-96W-010-24VDC (24VDC 96W output) | PSB-2X96W-010-24VDC (24VDC 2X96W output).

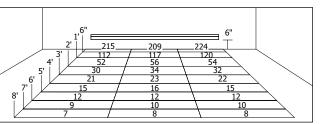
**Dimming:** Radio Ra2 (with GRX-TVI), Grafik Eye Qs (with GRX-TVI), Diva (with PP20); Nova T; Philips: Sunrise SR1200ZTUNV; Leviton: IP710-LF.

96W, 24VDC LOW VOLTAGE WIRE SIZE CHART: 3% VOLTAGE DROP

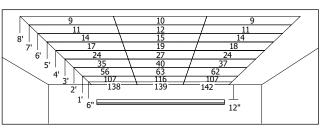
WIRE LENGTH (FT)	UP TO 33FT	34FT-52FT	53FT-86FT	87FT-130FT
WIRE SIZE	14 AWG	12 AWG	10 AWG	8 AWG
VOLTAGE AT END OF WIRE	23.28VDC	23.29VDC	23.28VDC	23.28VDC



REVEAL BIY PATHWAY FOOT CANDLE DISTRIBUTION SHOWN WITH 2.5 WATT 3000K VERSION









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#### 2.5 WATTS PER FOOT - 24K, 27K, 30K, 35K, 40K AND 57K WHITE LEDS

LENGTH IN FEET	WATTS
1	3
2	5
3	8
4	10
5	13
6	15
7	17
8	20
9	22
10	24

LENGTH IN FEET	WATTS
11	27
12	29
13	32
14	34
15	37
16	39
17	41
18	44
19	46
20	48

LENGTH IN FEET	WATTS
21	51
22	54
23	56
24	58
25	61
26	63
27	66
28	68
29	70
30	72

WATTS
75
78
80
82
85
87
90
92
94
96

# 5 WATTS PER FOOT - 24K, 27K, 27D, 30K, 30D, 35K, 40K, 57K AND 2K4K LEDS

LENGTH IN FEET	WATTS
1	5
2	10
3	14
4	19
5	24

LENGTH IN FEET	WATTS
6	29
7	34
8	38
9	43
10	48

LENGTH IN FEET	WATTS
11	53
12	58
13	63
14	67
15	72

LENGTH IN FEET	WATTS
16	77
17	82
18	87
19	91
20	96

# 7.5 WATTS PER FOOT - 24K, 27K, 30K, 35K, 40K AND 57K WHITE LEDS

LENGTH IN FEET	WATTS
1	8
2	15
3	23

LENGTH IN FEET	WATTS
4	30
5	38
6	45

LENGTH IN FEET	WATTS
7	53
8	60
9	68

LENGTH IN FEET	WATTS
10	75
11	83
12	90

# 10 WATTS PER FOOT - 24K, 27K, 30K, 35K, 40K, 57K AND 2K4K LEDS

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	10	4	40
2	20	5	50
3	30	6	60

LENGTH IN FEET	WATTS
7	70
8	80
9	90

LENGTH IN FEET	WATTS
10	100



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# **Reveal BIY 24VDC**

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LENGTH IN FEET	WATTS
1	3
2	5
3	8
4	100
5	13
6	16
7	18
8	21
9	23

2 WATTE	DED EOOT	DCDIEDC
5 WAIIS	PER FUUT	- RGB LEDS

LENGTH IN FEET	WATTS
10	26
11	29
12	31
13	36
14	37
15	39
16	42
17	44
18	47

LENGTH IN FEET	WATTS
19	49
20	52
21	55
22	57
23	60
24	62
25	65
26	68
27	70

LENGTH IN FEET	WATTS
28	73
29	75
30	78
31	81
32	83
33	86
34	88
35	91
36	94

# **5 WATTS PER FOOT - RGB LEDS**

LENGTH IN FEET	WATTS
1	5
2	10
3	16
4	19
5	24

LENGTH IN FEET	WATTS	
6	29	
7	34	
8	38	
9	43	
10	48	

LENGTH IN FEET	WATTS
11	53
12	58
13	63
14	67
15	72

LENGTH IN FEET	WATTS
16	77
17	82
18	87
19	91
20	96

# 6 WATTS PER FOOT - RGBW LEDS

WATTS
6
12
18
24

LENGTH IN FEET	WATTS
5	30
6	36
7	42
8	48

LENGTH IN FEET	WATTS
9	54
10	60
11	66
12	72

LENGTH IN FEET	WATTS
13	78
14	84
15	90
16	96

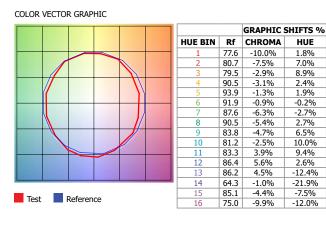


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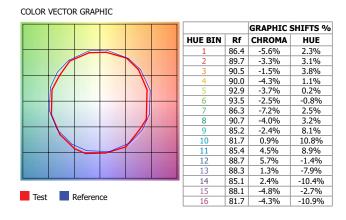
# **Reveal BIY 24VDC**

TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. 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: 83.9 | Rg: 94.9

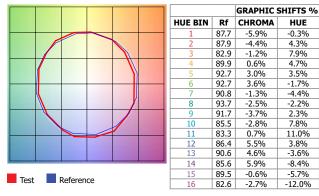


# 2700K | Rf: 87.7 | Rg: 96.1

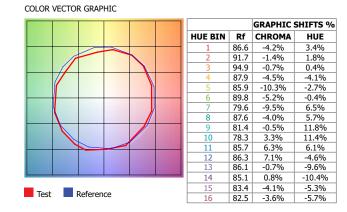


#### 3000K | Rf: 88.1 | Rg: 99.7

COLOR VECTOR GRAPHIC

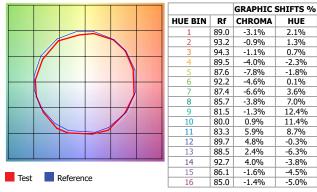


# 3500K | Rf: 86.1 | Rg: 95.5



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

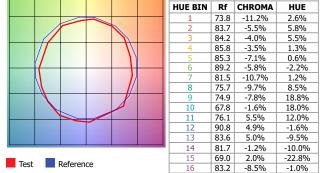
#### COLOR VECTOR GRAPHIC



5700K | Rf: 80.3 | Rg: 91.5

COLOR VECTOR GRAPHIC

# HUE BIN



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**GRAPHIC SHIFTS %** 

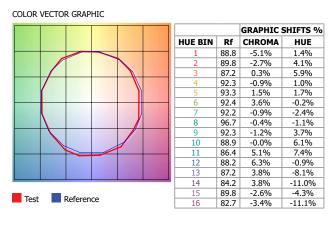
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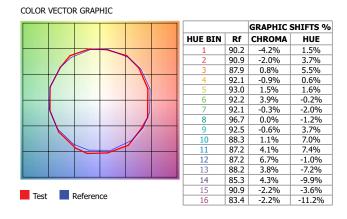
# **Reveal BIY 24VDC**

TM-30-15 DATA: The data below is for SS2C, SS5C, SS7C, and SS10C bare LED Soft Strips. 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: 89.5 | Rg: 100.8

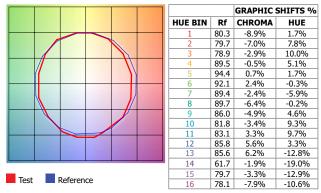


# 3000D | Rf: 89.8 | Rg: 101.4



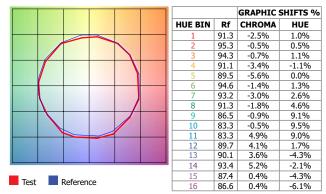
#### 2000K only (2K4K) | Rf: 84.3 | Rg: 96.9

COLOR VECTOR GRAPHIC



# 4000K only (2K4K) | Rf: 89.6 | Rg: 99.1

COLOR VECTOR GRAPHIC



#### 2K4K (3000K) | Rf: 90.2 | Rg: 101.4

COLOR VECTOR GRAPHIC

	GRAPHIC SHIFTS %			
	HUE BIN	Rf	CHROMA	HUE
	1	90.9	-3.8%	1.3%
	2	91.7	-1.9%	3.3%
	3	88.7	0.7%	5.1%
	4	92.4	-1.0%	0.7%
	5	92.9	0.9%	1.7%
	6	93.1	3.3%	-0.6%
	7	91.0	-1.8%	-0.4%
	8	97.0	0.2%	-1.1%
	9	92.8	-0.5%	3.6%
	10	88.3	1.0%	7.0%
	11	87.1	3.8%	7.8%
	12	87.6	6.5%	-0.3%
	13	89.3	3.6%	-6.3%
	14	86.1	4.5%	-9.1%
Task Defenses	15	91.6	-1.9%	-3.1%
Test Reference	16	83.8	-1.5%	-11.2%

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