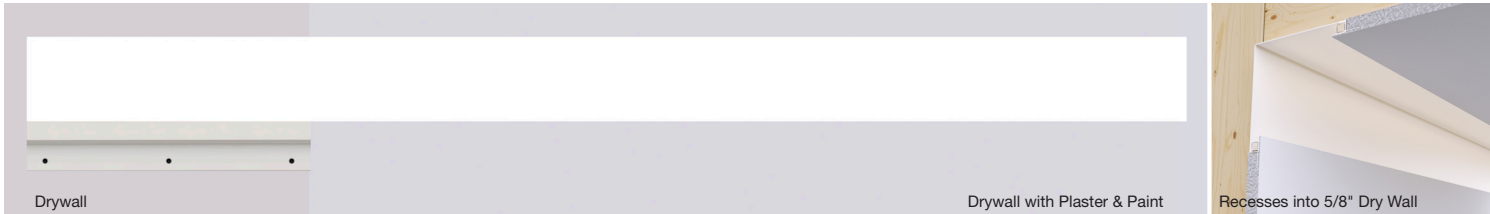


VERGE CORNER TUNABLE WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 07.08.25



DESCRIPTION

Verge Corner Tunable White is another innovative design from PureEdge's family of 24VDC plaster-in systems, continuing to redefine the relationship between lighting and architecture. Verge Corner mounts directly to studs and joists without modification because it recesses within 5/8" or thicker drywall. The slim plaster-in aluminum channel has a 4" paintable backer plate creating visually interesting and dramatic illumination by highlighting the inside corners of two drywall surfaces such as ceiling, coves, and skylights. Field-cutttable, Verge Corner is ordered in 1' increments up to 40'. Our Designer-grade High CRI Tunable White technology in 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). Tunable white lighting visually, biologically and emotionally contributes to human interaction with the physical world. Human centric lighting (HCL) builds on this technology bringing the dynamics of natural daylight indoors, and delivering a positive effect on human health, wellbeing and performance. [Click here for all Other Color Temperatures](#). Verge brings together a Modern and Dynamic appearance to Residential and Commercial environments, offering unlimited creativity and empowering you to design One-of-a-kind spaces every time. Remote Power supplies are required and sold separately. Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send drawings to design@PureEdgeLighting.com. Designed by Gregory Kay.

MAXIMUM LENGTHS BEFORE RE-FEEDING:

- 5 watts per foot - 40' (2 x 2.5WDC)
- 10 watts per foot - 20' (2 x 5WDC)
- 14 watts per foot - 12' (2 x 7.5WDC)

LAMP

- Tunable White: 2000K-6500K (**2K6K**) and 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Lumen Performance: 413lm/ft at 3000K 14 watts per foot
- Designer Grade High CRI 95+ LEDs
- Average life: 50,000 hours
- 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](#)
- [0-10V](#) Requires two dimmers, one for intensity and one for color temperature
- [DMX & Controls](#)

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

ORDERING

Verge Corner is installed behind drywall with Adjustable Mounting Bars Requires Remote Power Supply (ordered separately) In-Wall Mounting Kits are available for select power supplies. Order in 1' increments (12") field-cutttable to any length.

INCLUDED COMPONENTS

(2) Junction Boxes, Adjustable Mounting Bars, (2) Backer Plates, (2) Verge Corner Channels, Drywall Screws, (2) LED Strips, and (2) Lenses

APPLICATIONS

Indoor damp or dry locations only. Ideal for inside corners of drywall surfaces such as Walls and Ceilings, Coves, Windows and Skylights in Residential, Commercial, Retail and Hospitality environments.

COMPLIANCE

ETL, Class 2, Damp Location, Made in USA.

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

PureEdge is the Original Designer of 5/8" Drywall Products, Backed by Over 30 Years of Precision Manufacturing and Design.

System	Watts Per Foot	Length in Feet	Color Temperature
VGCO	5WDC	1-20FT	ST2K6K
VGCO Verge Corner	5WDC 2x2.5 Watts (40 ft Max) 10WDC 2x5 Watts (20 ft Max) 14WDC 2x7.5 Watts (12 ft Max)	1-40FT 1-20FT 1-12FT	ST2K6K Tunable White 2000K-6500K ST27K6 Tunable White 2700K-6500K

PROJECT		FIXTURE TYPE		DATE	
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DELIVERED LUMENS

	2K6K																											
WATTS PER FOOT	2K6K 2W (2.5 watts)									2K6K 5W (4.4 watts)									2K6K 7W (7.5 watts)									
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)	103	105	106	108	109	112	122	132	141	250	260	270	280	291	311	333	337	340	348	364	380	397	413	446	469	474	479	
LUMENS PER WATT (lm/w)	30	52	53	54	54	56	90	66	78	54	54	56	58	61	65	69	70	74	54	51	53	55	57	62	65	66	75	
CRI	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	91+	91+	94+	94+	94+	91+	

WATTS PER FOOT	27K6																											
	27K6 2W (2.5 watts)								27K6 5W (4.4 watts)								27K6 7W (7.5 watts)											
COLOR TEMPERATURE	27K	30K	35K	40K	45K	57K	65K		27K	30K	35K	40K	45K	57K	65K		27K	30K	35K	40K	45K	57K	65K					
LUMENS PER FOOT (lm/ft)	118	141	144	148	162	174	166		296	303	314	325	322	319	318		399	408	424	439	434	431	429					
LUMENS PER WATT (lm/w)	33	35	36	37	41	44	46		37	33	34	35	35	35	40		31	28	29	30	30	30	34					
CRI	91+	91+	91+	94+	94+	94+	91+		91+	91+	91+	94+	94+	94+	91+		92+	92+	92+	95+	93+	93+	93+					

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

5 WATTS PER FOOT (2 X 2.5W)			
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	5	21	102
2	10	22	106
3	14	23	110
4	19	24	116
5	24	25	120
6	29	26	124
7	34	27	130
8	38	28	134
9	43	29	140
10	48	30	144
11	53	31	148
12	58	32	154
13	63	33	158
14	67	34	164
15	72	35	168
16	77	36	172
17	82	37	178
18	87	38	182
19	91	39	188
20	96	40	192

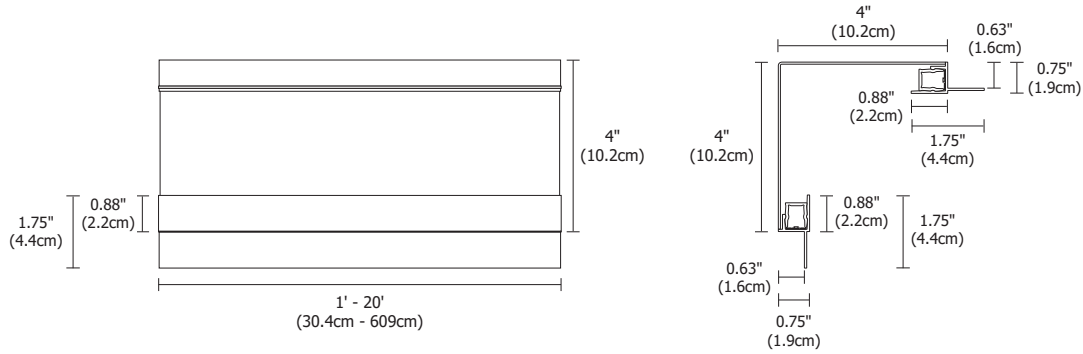
10 WATTS PER FOOT (2 X 4.4W)	
LENGTH IN FEET	WATTS
1	10
2	19
3	29
4	38
5	48
6	58
7	67
8	77
9	86
10	96
11	106
12	116
13	124
14	134
15	144
16	154
17	164
18	174
19	182
20	192

14 WATTS PER FOOT (2 X 7.3 OR 7.4W)	
LENGTH IN FEET	WATTS
1	15
2	30
3	45
4	60
5	75
6	90

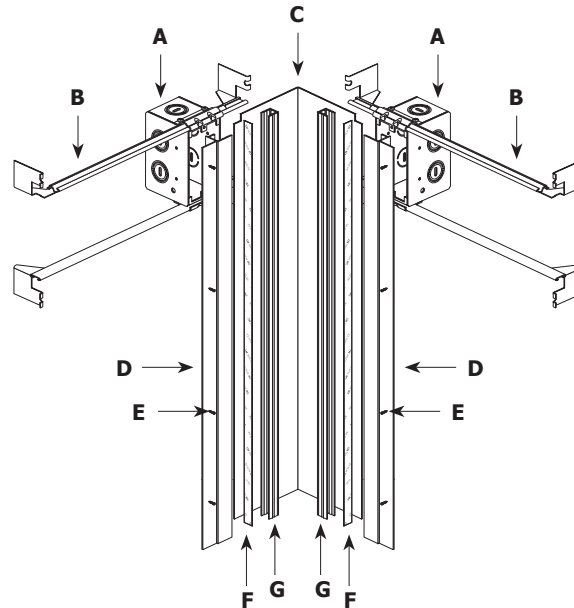
PROJECT		FIXTURE TYPE		DATE	
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24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM



INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with adjustable mounting bars. Low Voltage 24VDC wires from Remote Power Supply connect to the wires inside box. Junction Box opening is covered by the Backer Plate, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces. Verge Corner includes two sets of mounting hardware.

C. BACKER PLATE

4" paintable aluminum plates conceal junction box and reflect light.

D. VERGE CHANNEL

Two 5/8" deep extrusions each house a single row of LED Strip.

E. DRYWALL SCREWS

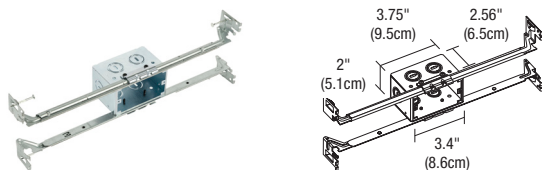
Secure channels to drywall and studs.

F. LED STRIP

Commercial-grade White or Dynamic Color Changing LED Strip. See lamp data on for additional details.

G. LENS

0.6" wide Diffused White lens projects a clean line of light without pixelation. Verge Corner includes two lenses.



JUNCTION BOX ROUGH-IN COMPONENT

One Junction Box is included with Verge Wall and two Junction Boxes are included with Verge Corner. Order additional Junction Box(es) separately to rough-in electrical wiring before drywall installation. Quick shipment available.

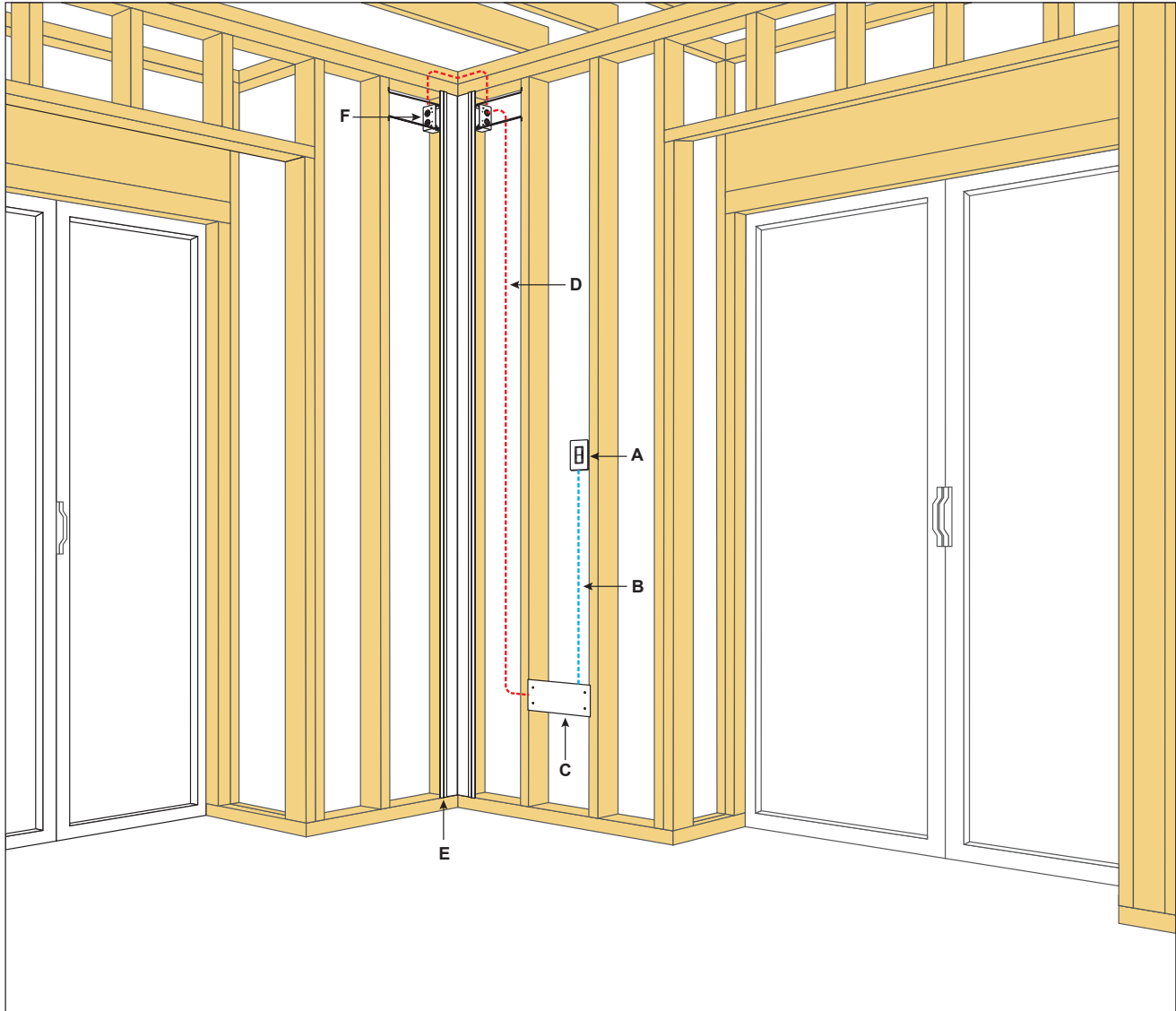
System	Size	Component
VG	1RE	JBOX
VG Verge	1RE 1" Rectangle	JBOX Junction Box

PROJECT		FIXTURE TYPE		DATE	
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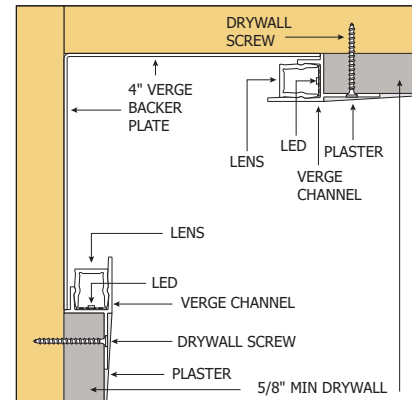
VERGE CORNER TUNABLE WHITE

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INSTALLATION



- A. DIMMER OR SWITCH
- B. 120VAC WIRING
- C. 120V/24VDC REMOTE POWER SUPPLY FOR IN-WALL MOUNTING KIT
- D. 24VDC, CLASS 2 WIRING
- E. VERGE CORNER CHANNEL
- F. JUNCTION BOX



PROJECT		FIXTURE TYPE		DATE	
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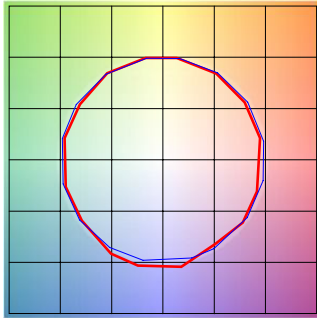
CEILING TM30 DATA

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

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

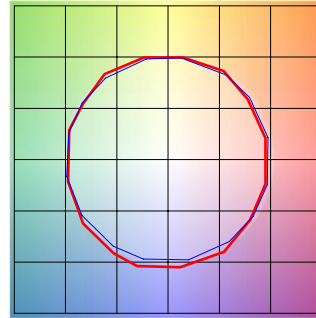


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

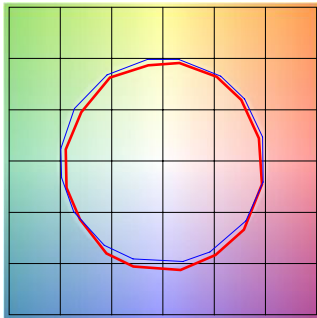


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%