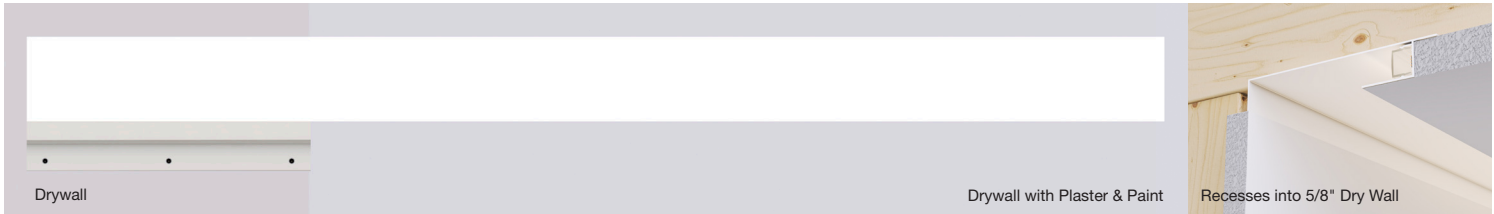


VERGE CEILING TUNABLE WHITE

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



DESCRIPTION

Verge Ceiling Tunable White is an innovative design that comes from the family of Plaster-in 24VDC systems pioneered by PureEdge that recesses within 5/8" drywall, without joist modification. Continuing to redefine the relationship between lighting, architecture and interior design, this visionary and highly Efficient system elegantly Highlights ceiling Perimeters while emitting smooth and continuous ambient illumination. Field-cuttable, Verge Ceiling is ordered in 1' increments up to 40', the slim plaster-in aluminum extrusion has a 4" paintable backer plate. 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](#). Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send drawings to design@PureEdgeLighting.com. Designed by Gregory Kay.

DESIGN NOTE

Verge Ceiling can be installed on a single surface such as the Perimeter of the ceiling accentuate or highlight Coves and other Architectural elements. Ambient and harmonious, the plaster-in LED system blends into 5/8" thick drywall to enhance the contemporary aesthetic of interior spaces. Verge offers unsurpassed precision and flexibility that transforms spaces into thoughtful and refined works of art.

INCLUDED COMPONENTS

Junction Box, Adjustable Mounting Bars, Backer Plate, Verge Ceiling Channel(s), Drywall Screws, LED Strip, and Lens(es)

LAMP

- Tunable White: 2000K-6500K (**2K6K**) and 2700K-6500K (**27K6**) grants independent control for adjusting color temperature and intensity
- Lumen Performance: 193lm/ft at 3000K 7W per foot
- CRI 95+
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

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 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

Indoor damp or dry locations only. Ideal for Ceiling Perimeters and outlining Architectural Elements in Residential, Commercial, Retail, Education, or Healthcare Institutions and Hospitality environments.

COMPLIANCE

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

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

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
VGCE	2WDC	10FT	ST2K6K
VGCE Verge Ceiling	2WDC 2.5 Watts (40ft Max) 5WDC 5 Watts (20ft Max) 7WDC 7.5 Watts (12ft Max)	1-40FT 1-20FT 1-12FT	ST2K6K Tunable White 2000K-6500K ST27K6 Tunable White 2700K-6500K

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--



VERGE CEILING TUNABLE WHITE

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



REV 05.16.25

NOMINAL LAMP DATA

	2K6K 2W (2.5 watts)										2K6K 5W (4.4 watts)										2K6K 7W (7.5 watts)									
WATTS PER FOOT																														
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)	50	50	51	52	52	54	59	63	68	120	125	130	135	140	150	160	162	163	167	175	183	191	199	214	226	228	230			
LUMENS PER WATT (lm/w)	27	25	26	26	26	27	90	32	38	26	26	27	28	29	31	33	34	36	26	24	25	27	28	30	31	32	36			
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 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)	54	64	66	67	74	79	75	134	137	142	148	146	145	144	181	185	192	199	197	195	195										
LUMENS PER WATT (lm/w)	30	32	33	34	37	40	42	34	30	31	32	32	31	36	28	26	27	28	27	27	30										
CRI	91+	91+	91+	94+	94+	94+	91+	91+	91+	91+	94+	94+	94+	91+	92+	92+	92+	95+	93+	93+	93+										

2.5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	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	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	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

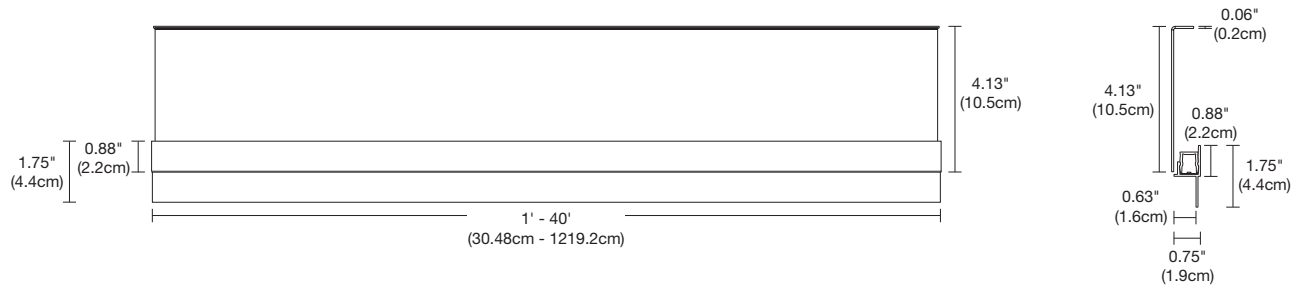
7 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	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

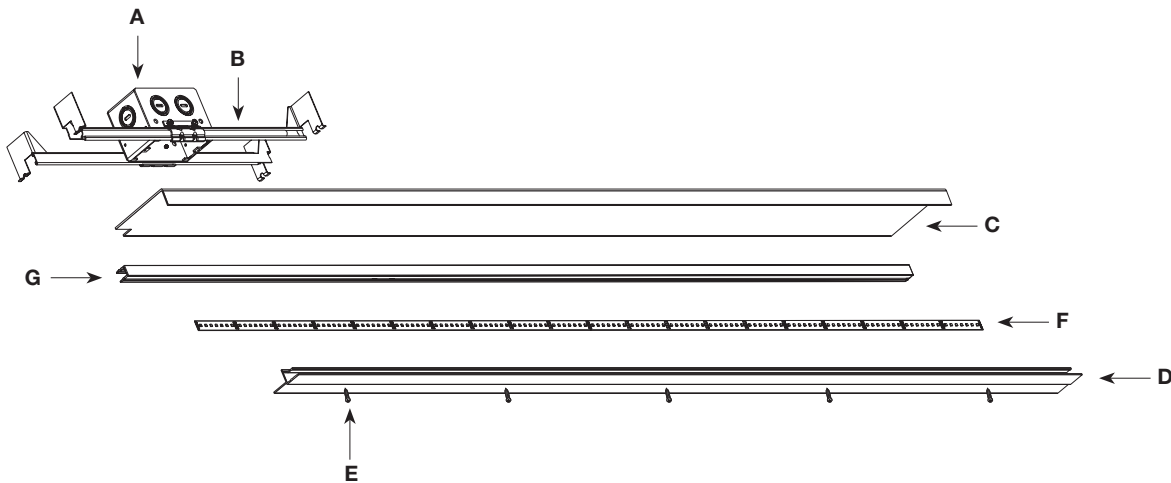
PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

VERGE CEILING TUNABLE WHITE

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 LED wires inside box. Junction Box opening is covered by the channel, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces and orientations. May be secured to studs that are spaced 13"-24" apart.

C. BACKER PLATE

4" paintable aluminum plate that conceals Junction Box and reflects light.

D. VERGE CEILING CHANNEL

5/8" deep extrusion houses a single row of LED Strip.

E. DRYWALL SCREWS

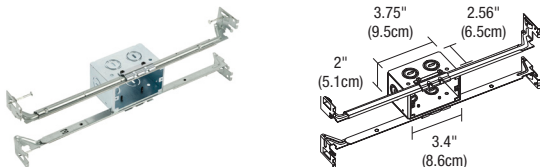
Secures channel to drywall and stud.

F. LED STRIP

Commercial-grade white or dynamic color-changing LED Strip. See lamp data for additional details.

G. LENS

0.6" wide diffused white lens projects a clean line of light without LED dots.



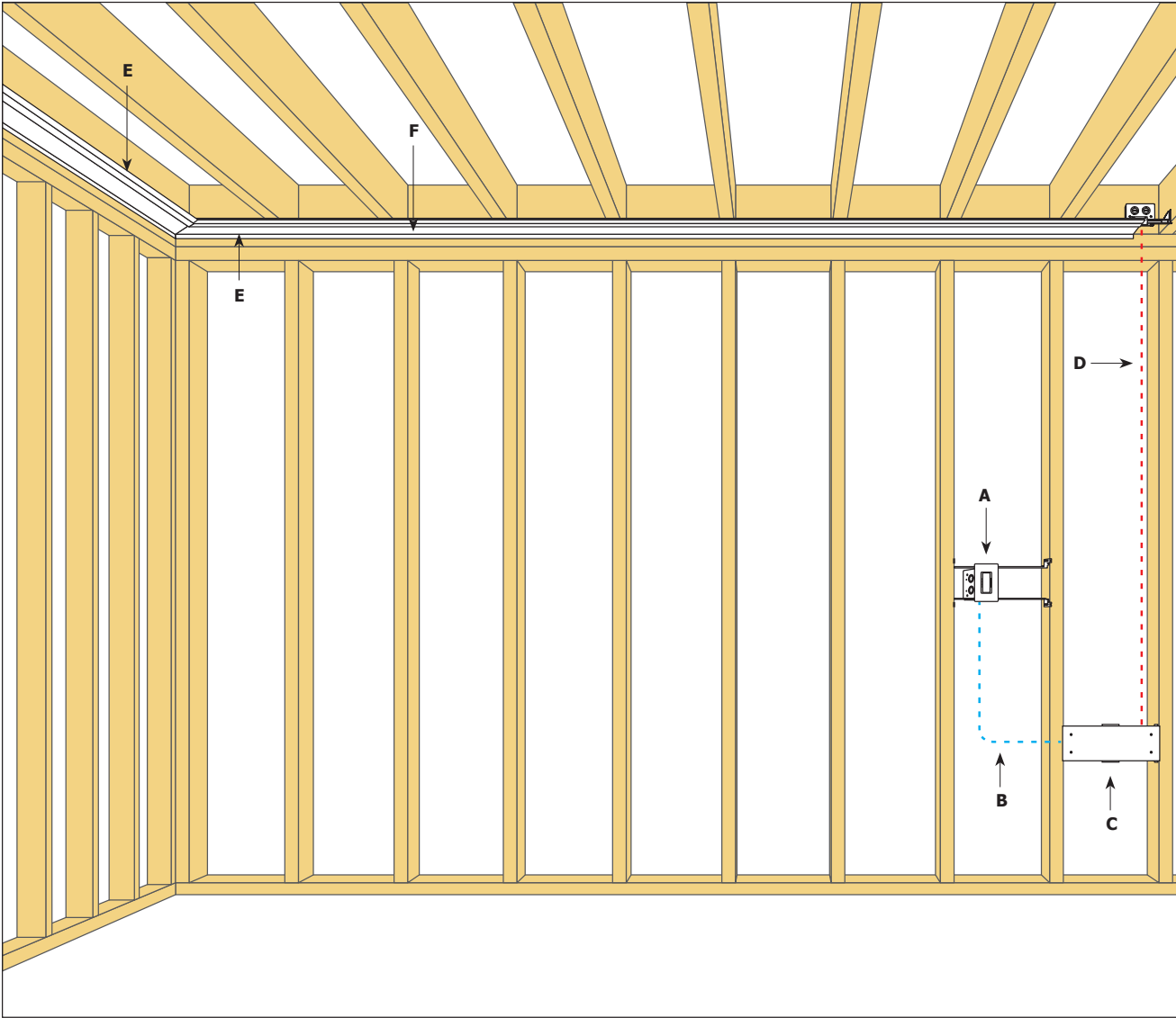
JUNCTION BOX ROUGH-IN COMPONENT

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

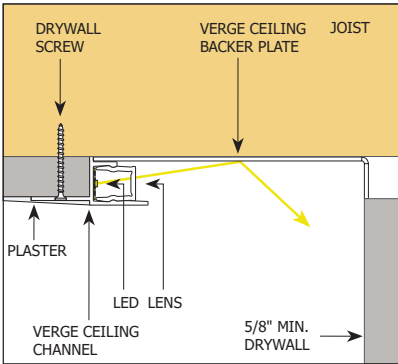
System	Size	Component
VG	1RE	JBOX
VG Verge	1RE 1" Rectangle	JBOX Junction Box
*For RGB+W use VG-1RE-JBOX-RGBW		

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

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 CEILING CHANNEL**
- F. LED STRIP**



 Direction of Light

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

TM30 DATA

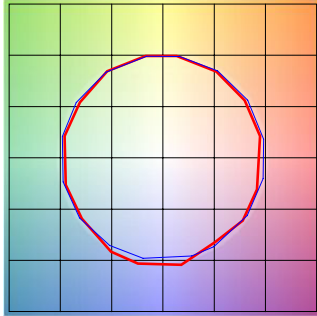
24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

REV 05.16.25

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

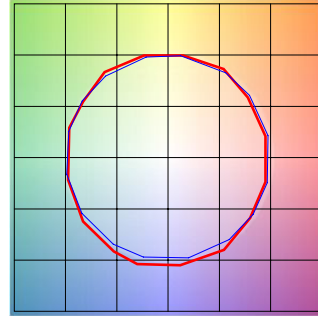


■ Test ■ Reference

		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

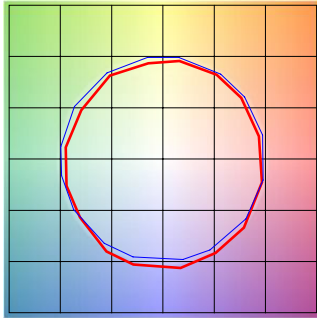


■ Test ■ Reference

		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%

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--