

# VERGE WALL RGB/RGBW

## 24VDC, PLASTER-IN LED SYSTEM

BY GREGORY KAY, ORIGINAL DESIGNER OF 5/8" DRYWALL PRODUCTS | ASSEMBLED IN AMERICA

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### DESCRIPTION

Verge Wall RGB and RGBW, a slim, plaster-in aluminum channel with a 4" paintable aluminum backer plate, highlights the transition where two drywall surfaces join together, while emitting ambient illumination. The 24VDC linear LED system mounts directly to studs without joist modification and plasters into 5/8" or thicker drywall. Verge is sold in 1' increments up to 20' and field cuttable to any length, delivering Dynamic Color Effects of RGB and RGBW. Click here for all [Other Color Temperatures](#). 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](mailto:design@PureEdgeLighting.com).

### DESIGN NOTE

Verge Wall may be installed on a single surface for Toe-Kick and Cove lighting applications. 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 flexibility that transforms interiors into thoughtful, unique works of art.

### MAXIMUM LENGTHS BEFORE RE-FEEDING

- 5WDC, 5 watts per foot - 20' RGB Only
- 6WDC, 6.3 watts per foot - 16' RGB+W Only

### LAMP

- RGB: Dynamic Red, Green, and Blue
- RGB+W: Dynamic Red, Green, Blue plus 2000K
- RGB+W Special order in 2700K, 3000K, and 4000K
- Average life: 50,000 hours
- For additional color temperatures refer to other specifications

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

24VDC, Class 2 wiring

#### RGB

- [DMX & Controls](#)
- [DALI/DALI-2](#)

#### RGBW

- [DMX & Controls](#)
- [DALI/DALI-2](#)

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

### INCLUDED COMPONENTS

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

### APPLICATIONS

Indoor damp or dry locations only. Wall Mount for use as Cove lighting or use at the Floor for Floating Wall effects. Ideal applications include Residential, Commercial, Retail, 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 Configurator. [Verge Wall](#)

**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	
<b>VG</b>	<b>5WDC</b>	<b>1-20FT</b>	<b>RGB</b>
VG Verge Wall	5WDC 5 Watts (20ft Max) 6WDC* 6.3 Watts (16ft Max)	1-20FT 1-16FT	<b>RGB</b> Dynamic Color Red, Green & Blue (5WDC Only) <b>RGB20K</b> Red, Green, Blue + White 2000K (6WDC Only) <b>RGB27K</b> Red, Green, Blue + White 2700K (6WDC Only) <b>Special Order</b> <b>RGB30K</b> Red, Green, Blue + White 3000K (6WDC Only) <b>Special Order</b> <b>RGB40K</b> Red, Green, Blue + White 4000K (6WDC Only) <b>Special Order</b>

PROJECT		FIXTURE TYPE		DATE	
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# VERGE WALL RGB/RGBW

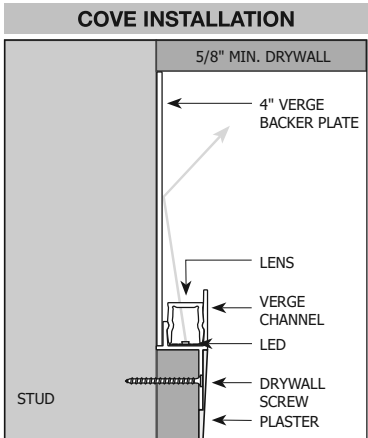
## 24VDC, PLASTER-IN LED SYSTEM

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

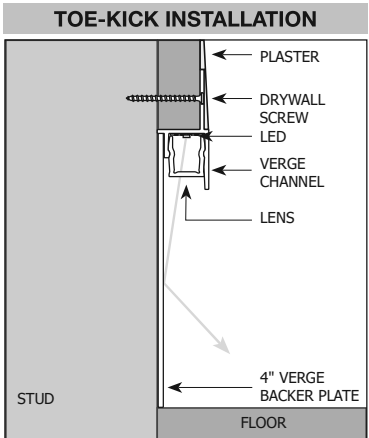
5 WATTS PER FOOT							
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	5	6	30	11	54	16	78
2	10	7	34	12	58	17	82
3	16	8	40	13	64	18	88
4	20	9	44	14	68	19	92
5	24	10	48	15	72	20	96

6 WATTS PER FOOT							
LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	6	5	30	9	54	13	78
2	12	6	36	10	60	14	84
3	18	7	42	11	66	15	90
4	24	8	48	12	72	16	96



Direction of Light

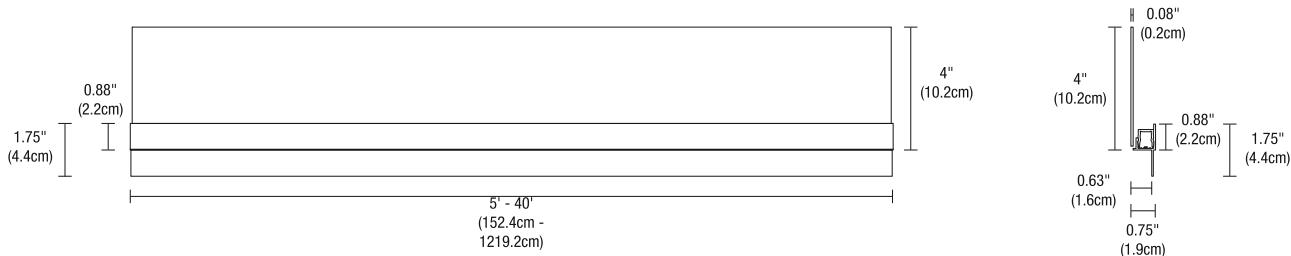


Direction of Light

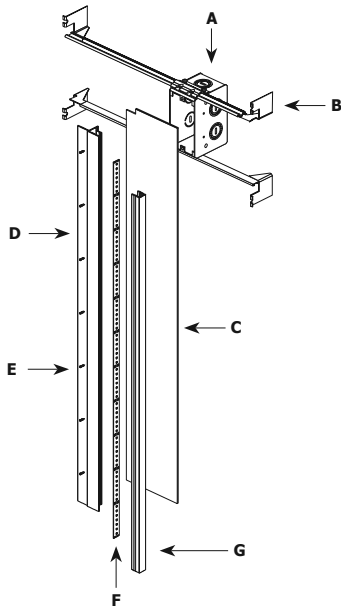
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# VERGE WALL RGB/RGBW

## 24VDC, 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.

#### C. BACKER PLATE

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

#### D. VERGE CHANNEL

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

#### E. DRYWALL SCREWS

Secures channel to drywall and stud.

#### F. LED STRIP

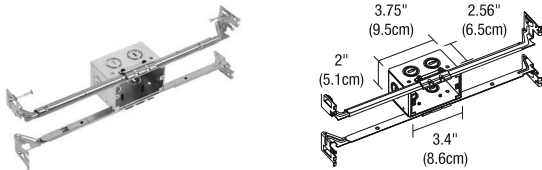
Commercial-grade White or Dynamic Color Changing LED Strip. See lamp data on for additional details.

#### G. LENS

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

### JUNCTION BOX ROUGH-IN COMPONENT

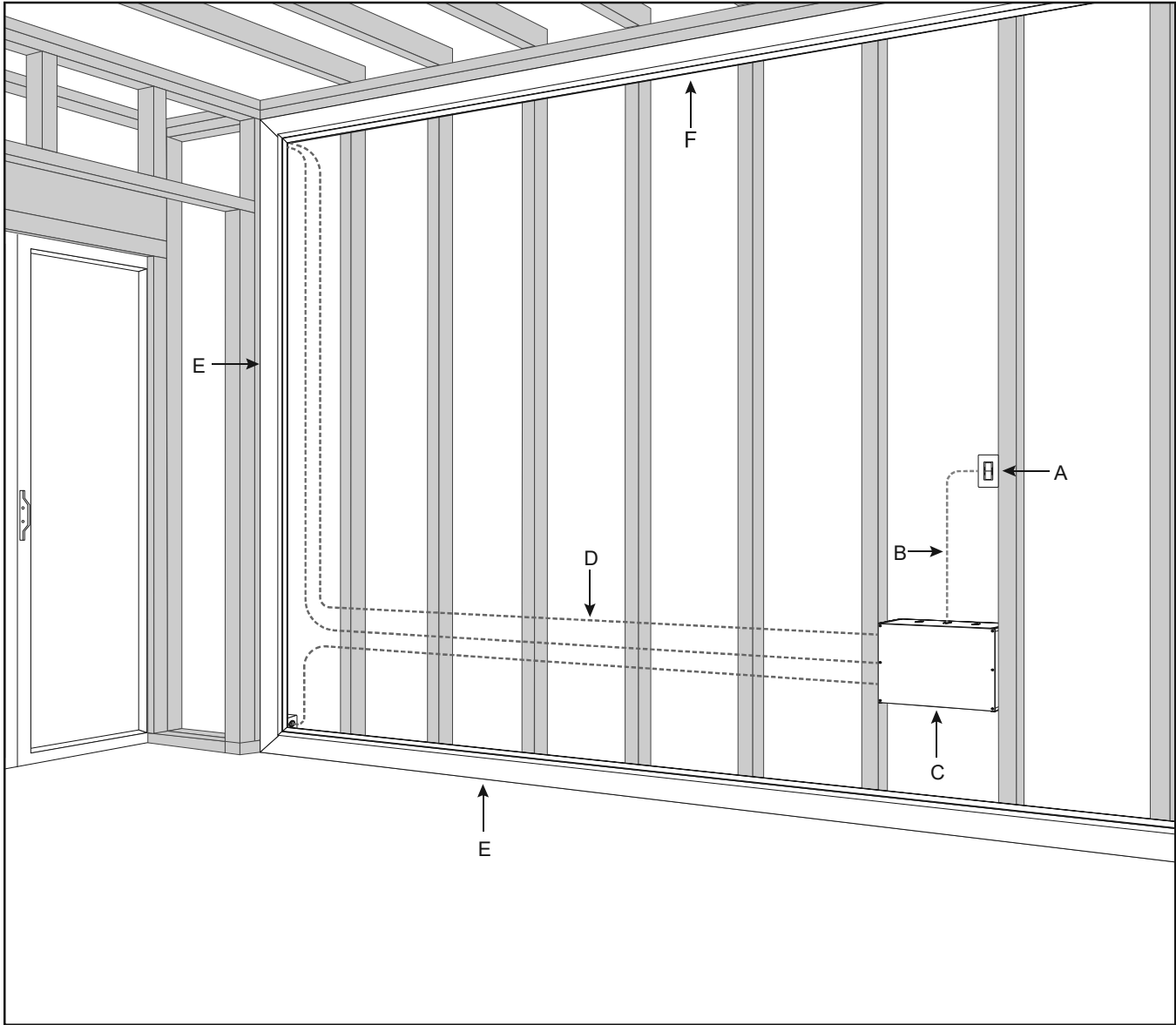
One Junction Box is included with Verge Wall. Order additional Junction Box(es) separately to rough-in electrical wiring before drywall installation. Quick shipment available.



System	Size	Component
<b>VG</b>	<b>1RE</b>	<b>JBOX</b>
VG Verge Wall	1RE 1" Rectangle	JBOX Junction Box
*For RGB+W use VG-1RD-JBOX-RGBW		

# **VERGE WALL RGB/RGBW** 24VDC, PLASTER-IN LED SYSTEM

## **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 WALL CHANNEL**
- F. LED STRIP**

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