VEIL CEILING, STATIC WHITE WITH LUCY DOWNLIGHT
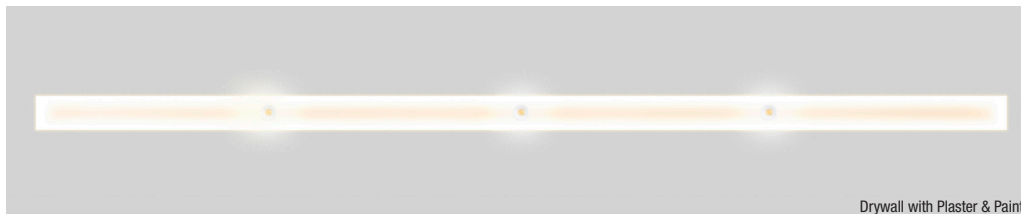## PLASTER-IN LED SYSTEM, 24VDC

DESIGNED BY GREGORY KAY | MADE IN AMERICA

REV 11.10.23

PURE EDGE
Pure Smart Lighting

Drywall with Plaster & Paint

Recesses into 5/8" Dry Wall

DESCRIPTION

Veil Ceiling/Wall Static White is another original and innovative design that comes from the family of Plaster-in 24VDC systems pioneered by PureEdge that recesses within 5/8" drywall, without joist modification. The slim extrusions elegantly emit smooth, ambient illumination through the 3" opening, the paintable backer plate creates a seamless aesthetic blending into the drywall. Veil Ceiling/Wall is field-cuttable, and sold in 1' increments up to 8'. Our designer-grade High CRI color rendering LEDs are available in multiple wattages and color temperatures ranging from **24K** through **40K** and Warm Dim (**27D** or **30D**). This plaster-in LED system 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. The Lucy downlights are powered remotely with our UNI drivers (PSB-96W-UNI- 24VDC sold separately) and can be made smart by using the Pure Smart Wi-Fi Dimmer (SWW-DIM-WH sold separately). Coordinate installation with electrical and drywall contractors. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com

APPLICATIONS

Indoor damp or dry locations only. Designed for any indoor space with drywall. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

LAMP

- Offered in multiple Static White Color Temperatures: 2400K, 2700K, 3000K, 3500K & 4000K
- Lumen Performance: LED Cove Strip: 640lm/ft at 3000K 14W per foot, Lucy Downlight: 638lm/ea at 3000K 9 watts
- Designer Grade High CRI 92+ LEDs
- Average life: 50,000 hours
- For additional color temperatures refer to other specification

REMOTE POWER SUPPLIES, DIMMERS & CONTROLS (SOLD SEPARATELY)

Veil Ceiling
24VDC, Class 2 wiring
- Pure Smart™ WiZ Pro PSBR Power Supplies

Pure Smart™ PSBR Power Supply for Remote Bridgebox is developed to support Pure Smart TC TruColor RGBTW luminaires connected by WiZ Pro.
- Pure Smart™ Wi-Fi Controller

Features ON/OFF buttons, CCT and brightness control as well as four preset/custom scenes programmable in the WiZ app. Communicates via 2.4GHz Wi-Fi. No Hub needed. Voice control with Goggle Assistant, Alexa, Siri, Shortcuts, and IFTTT

Lucy Downlight
- UNI Driver: Universal Dimming **(TRIAC, ELV, 0-10V)**
- Pure Smart™ Wi-Fi Dimmer (applies to traditional bulbs and fixtures static CCT/warm dim)

INCLUDED COMPONENTS

Junction Box, Adjustable Mounting Bars, Drywall Screws, Veil Channel(s), Lenses and Backer Plate.

ORDERING & INSTALLATION

Veil may be secured to studs spaced 13"-24" apart or between studs with provided mounting straps. Order in 1' increments up to 8', field-cuttable to any length Veil LED Cove strip.
- 5 watts per foot (2 x 2.5WDC)
- 10 watts per foot (2 x 4.4WDC)
- 14 watts per foot (2 x 7.3WDC)

COMPLIANCE

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

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

System	Watts Per Foot	Length in Feet/ # of Downlights	Lucy Beam Spread	Color Temperature
VCL	**10W9**	**4FT2L**	**SP**	**24K**
VCL Veil Ceiling with Lucy Downlight	5W9 2x2.5 watts 10W9 2x4.4 watts 14W9 2x7.3 watts	1FT1L 1ft Veil, 1 Lucy Downlight 9 Watts 2FT1L 2ft Veil, 1 Lucy Downlight 9 Watts 3FT1L 3ft Veil, 1 Lucy Downlight 9 Watts 4FT2L 4ft Veil, 2 Lucy Downlights 18 Watts 5FT2L 5ft Veil, 2 Lucy Downlights 18 Watts 6FT3L 6ft Veil, 3 Lucy Downlights 27 Watts 7FT3L 7ft Veil, 3 Lucy Downlights 27 Watts 8FT3L 8ft Veil, 3 Lucy Downlights 27 Watts	NS* Narrow Spot - 15° SP Spot - 20° NF Narrow Flood - 35° FL Flood - 45° *Not available for warm dim	24K 2400K Very Warm White Soft Strip, Lucy with 2400K 27K 2700K Incandescent White Soft Strip, Lucy with 2700K 30K 3000K Warm White Soft Strip, Lucy with 3000K 35K 3500K Neutral White Soft Strip, Lucy with 3500K 40K 4000K Cool White Soft Strip, Lucy with 4000K

PROJECT		FIXTURE TYPE		DATE	

VEIL CEILING, STATIC WHITE WITH LUCY DOWNLIGHT
PLASTER-IN LED SYSTEM, 24VDC

DELIVERED LUMENS: Veil Only

REV 11.10.23

	VEIL - STATIC WHITE																
WATTS PER FOOT	5W (2x2.5 Watts)					10W (2x4.4 Watts)						14W (2x7.3 Watts)					
COLOR TEMPERATURE	24K	27K	30K	35K	40K	24K	27K	30K	30D	35K	40K	24K	27K	30K	35K	40K	
LUMENS PER FOOT (lm/ft)	213	215	224	258	271	393	398	414	422	476	501	608	614	640	735	774	
LUMENS PER WATT (lm/w)	43	43	45	52	54	39	40	41	42	48	50	43	44	46	53	55	
CRI	92+	92+	92+	92+	92+	92+	92+	92+	94+	92+	92+	92+	92+	92+	92+	92+	

LUCY DOWNLIGHTS									
Wattage		**Lumens**							
QTY	**WATTS**	**NSP 30K**	**SP 30K**	**SP 30D**	**NF 30K**	**NF 30D**	**FL 30K**	**FL 30D**	
1	9	582	638	407	633	399	634	388	
2	18	1164	1276	814	1266	798	1268	776	
3	27	1746	1914	12221	1899	1197	1902	1164	

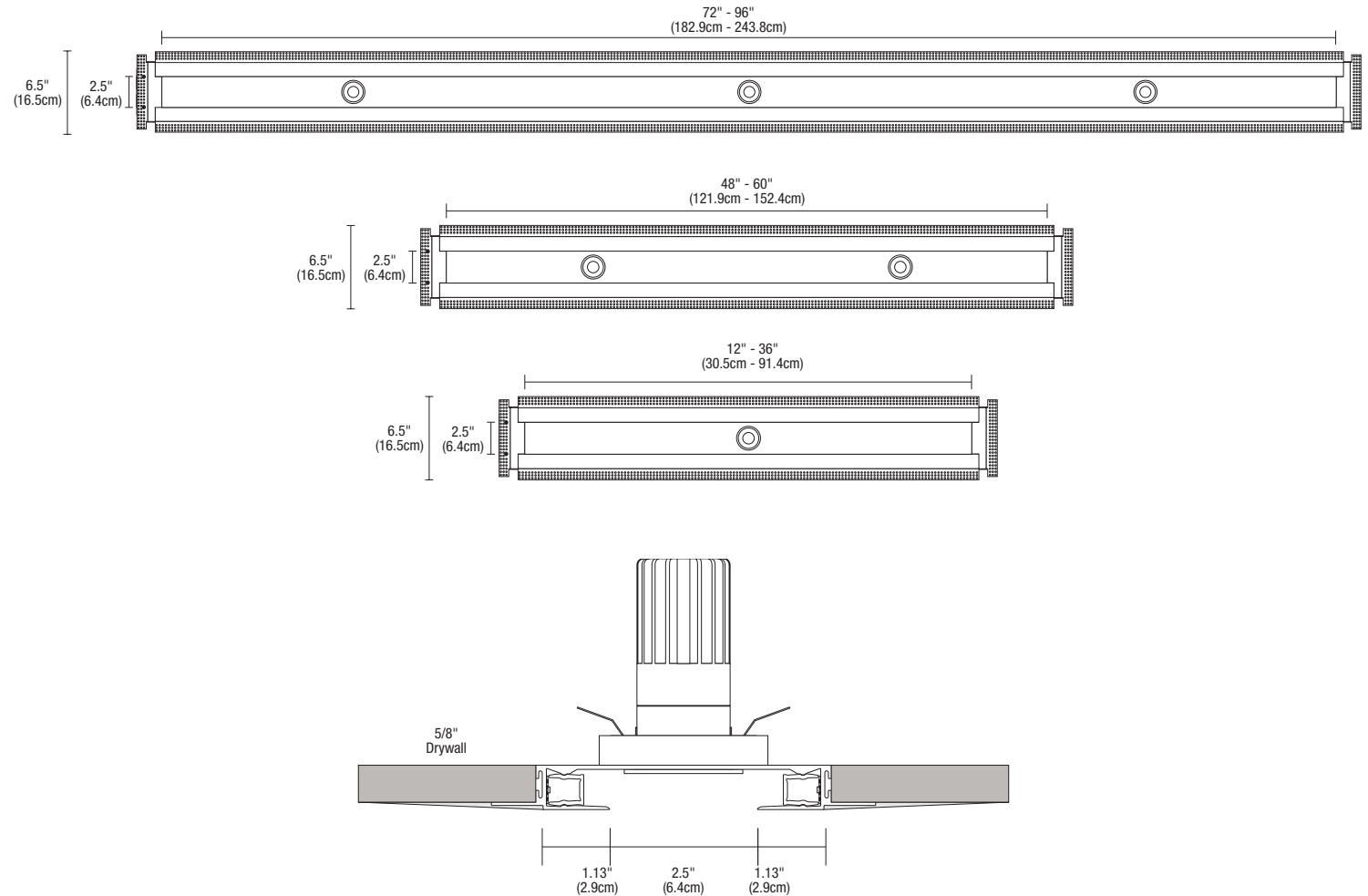**LENGTH LOAD CHARTS:** To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

5 WATTS PER FOOT (2 X 2.5W)	
LENGTH IN FEET	**WATTS**
1	5
2	10
3	14
4	19
5	24
6	29
7	34
8	38

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

14 WATTS PER FOOT (2 X 7.3W)	
LENGTH IN FEET	**WATTS**
1	14
2	28
3	42
4	56
5	70
6	84

WATTAGE FOR LUCY FIXTURE	
LENGTH IN FEET	**WATTS**
1	9
2	18
3	27

DRAWINGS

72" - 96" (182.9cm - 243.8cm)
6.5" (16.5cm) 2.5" (6.4cm)

48" - 60" (121.9cm - 152.4cm)
6.5" (16.5cm) 2.5" (6.4cm)

12" - 36" (30.5cm - 91.4cm)
6.5" (16.5cm) 2.5" (6.4cm)

5/8" Drywall

1.13" (2.9cm) 2.5" (6.4cm) 1.13" (2.9cm)

PROJECT		FIXTURE TYPE		DATE	

VEIL CEILING, STATIC WHITE WITH LUCY DOWNLIGHT
PLASTER-IN LED SYSTEM, 24VDC

PURE EDGE
Pure Smart Lighting

FIXTURE COMPONENTS
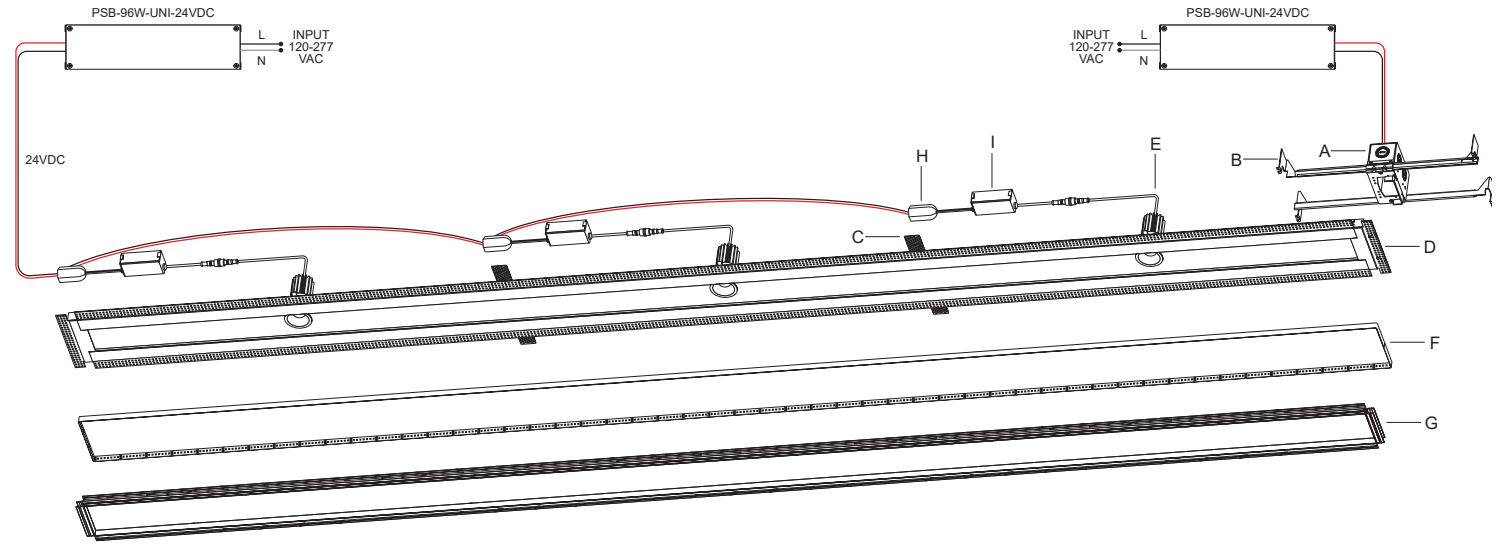
A. JUNCTION BOX
Mounts behind drywall with Adjustable Mounting Bars. 6 Low Voltage 24VDC wires from Remote Power Supply connect to LED wires inside box. Remote Power supply. Single Gang Junction Box opening is covered by the channel, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS
Provide flexibility for mounting in a variety of spaces. Veil Ceiling includes two sets of mounting hardware.

C. PERFORATED MOUNTING STRAP (MBAR)
Secures channel to drywall when wall stud is unavailable.

D. VEIL CHANNEL
5/8" deep extrusion houses a double row of LED Strip.

E. LUCY DOWNLIGHT WITH DRIVER & QUICK CONNECTOR
1.5" downlight with driver and quick connector.

F. LED STRIP
Static or Warm Dim LED strip See lamp data for additional details.

G. LENS
Diffused lens produces a clean line of light without pixelation. Veil includes four lenses.
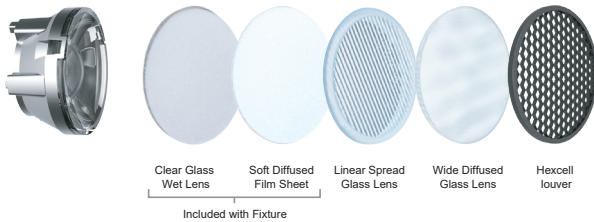
H. 24V QUICK CONNECTOR

I. 24V DRIVER

JUNCTION BOX ROUGH-IN COMPONENT
One Junction Box is included with Veil Ceiling/Wall. Order additional Junction Box(es) separately to rough-in electrical wiring before drywall installation. Quick shipment available.
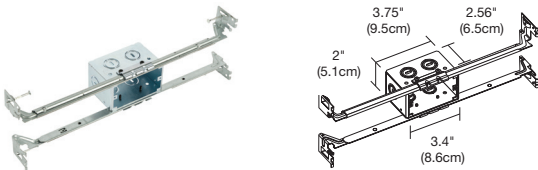
System	Size	Component
VG	**1RE**	**JBOX**
VG Verge	**1RE** 1" Rectangle	**JBOX** Junction Box

Clear Glass Wet Lens | Soft Diffused Film Sheet | Linear Spread Glass Lens | Wide Diffused Glass Lens | Hexcell louver

Included with Fixture Ordering Code

LENSES & ACCESSORIES
In addition to the standard glass wet Lens and soft diffusion film we offer a variety of beam spreads, and lens accessories to tailor the output and beam shape for specific applications. The Linear spread lens glass produces an oval illumination pattern, while the Wide diffused glass lens evenly distribute the light. Additionally, the Hexcell Louver is available for enhanced glare control.

OPTICS

Product	Type	Beam Spread	Size 1	Size 2
OPL	**L1.5**	**FL**	**30MM**	**10MM**
OPL Optical Lens	**L1.5** Lucy 1.5	**FL** Flood - 45°	**30MM** 30mm Lens Diameter	**10MM** 10mm Lens Thickness

FILMS AND LOUVER

Product	Type
LF10	**L**
LF10 Lens Film 1.25" Diameter	**L** Linear Spread Film **W** Wide Diffuse Film **S** Soft Diffusion Film
LO10 Louver 1.25" Diameter	**H** Hexcell Louver

PROJECT		FIXTURE TYPE		DATE	

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INSTALLATION
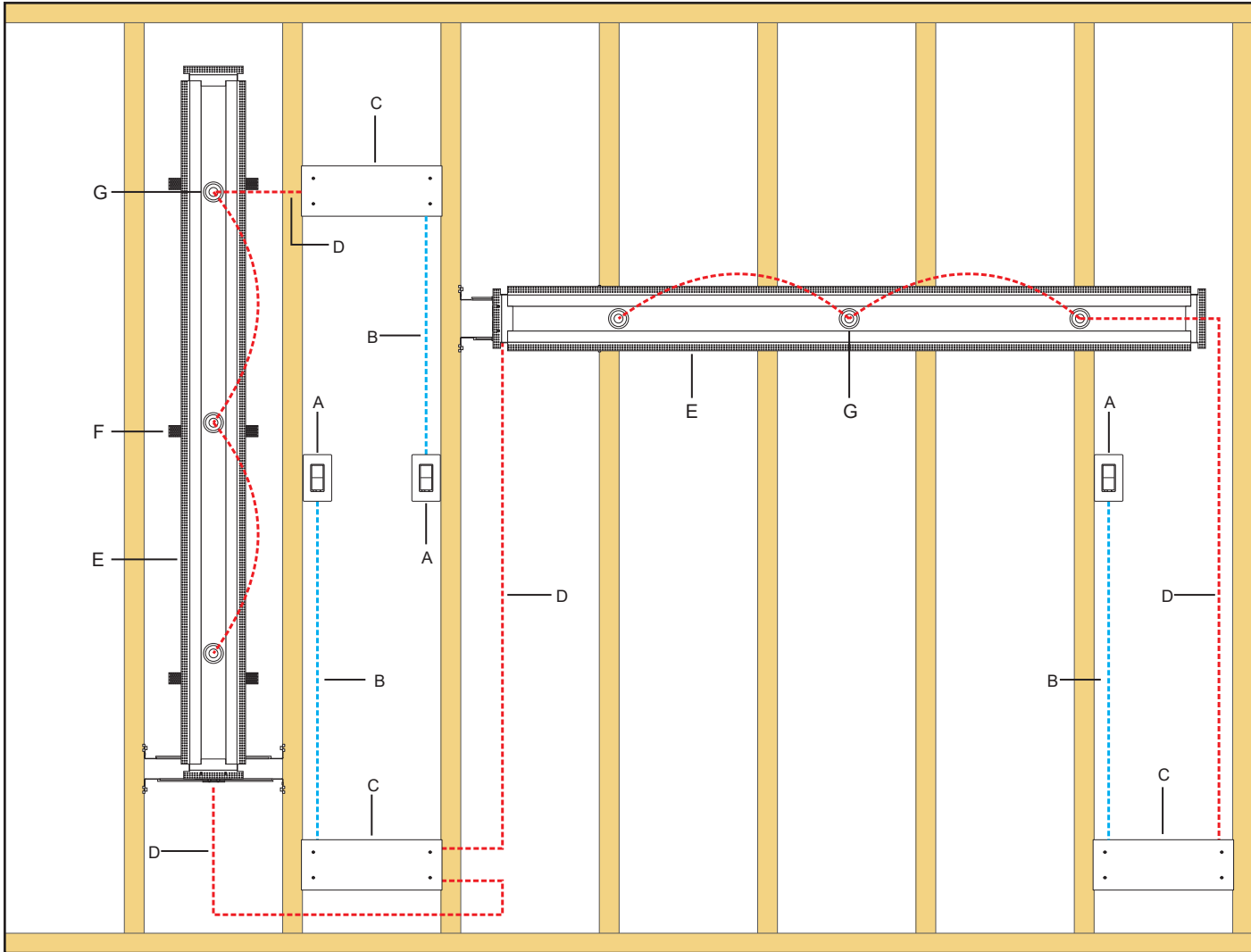
A. SWW-DIM-WH SMART WALL DIMMER

B. 120VAC WIRING

C. PSB-96W-UNI-24VDC POWER SUPPLY

D. 24VDC, CLASS 2 WIRING, 2 CONDUCTOR

E. VEIL CHANNEL, LENS, & LED STRIP

F. MOUNTING STRAP

G. LUCY DOWNLIGHT
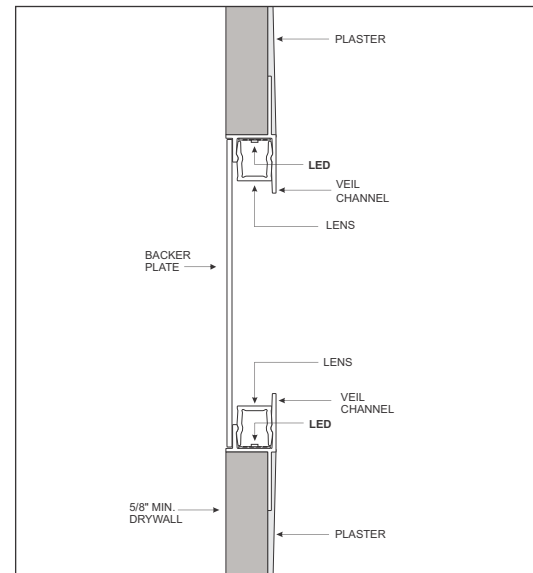
| PROJECT | | FIXTURE TYPE | | DATE | |

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VEIL CEILING, STATIC WHITE WITH LUCY DOWNLIGHT
PLASTER-IN LED SYSTEM, 24VDC

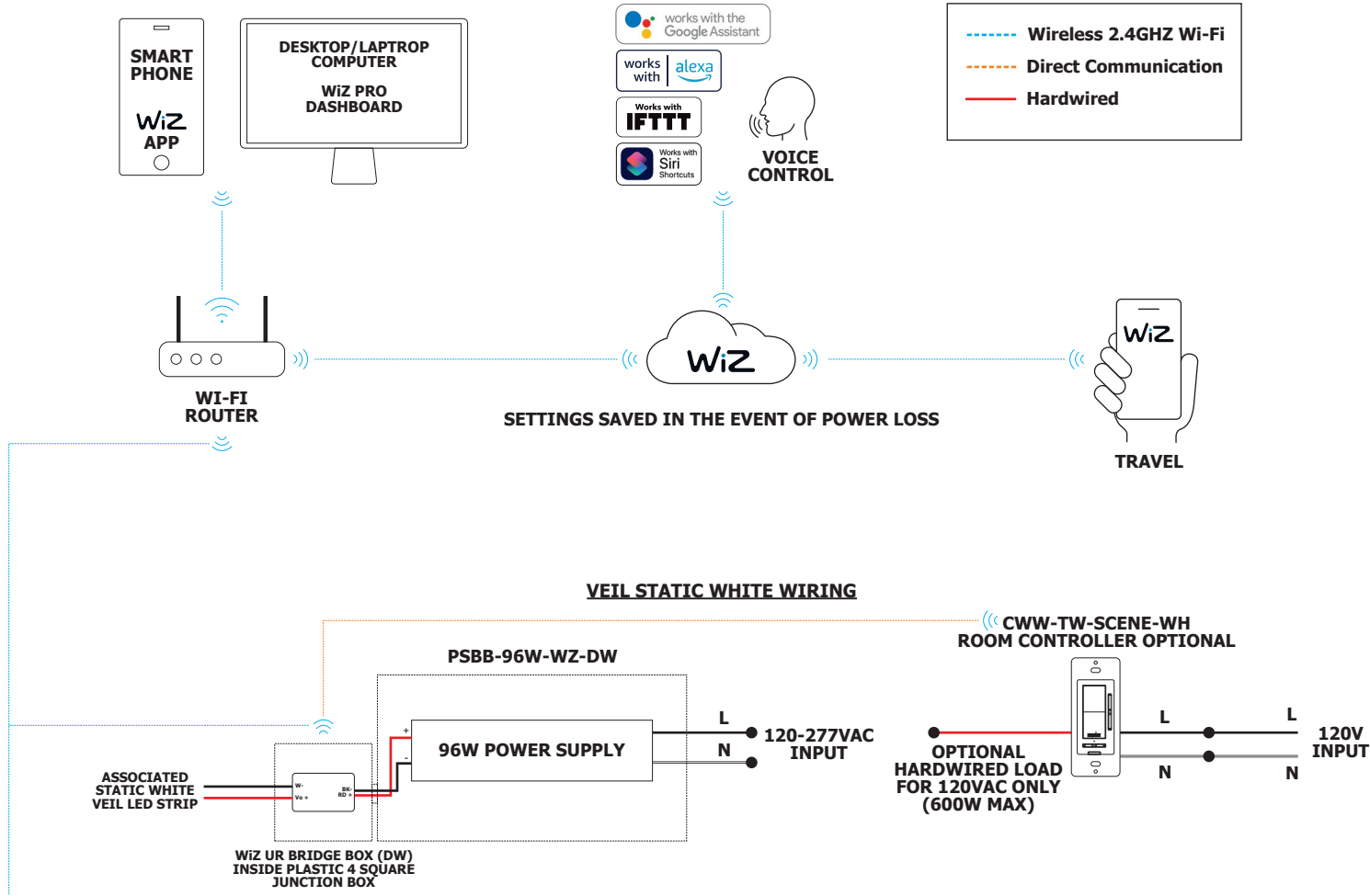**NETWORK TOPOLOGY:** Static White Veil & Static White Lucy with Room Controllers and PSBB Power Supply

SMART PHONE — WiZ APP

DESKTOP/LAPTROP COMPUTER — WiZ PRO DASHBOARD

works with the Google Assistant
works with alexa
Works with IFTTT
Works with Siri Shortcuts

VOICE CONTROL

- - - - Wireless 2.4GHZ Wi-Fi
- - - - Direct Communication
——— Hardwired

WI-FI ROUTER

SETTINGS SAVED IN THE EVENT OF POWER LOSS

TRAVEL

VEIL STATIC WHITE WIRING

CWW-TW-SCENE-WH
ROOM CONTROLLER OPTIONAL

PSBB-96W-WZ-DW

96W POWER SUPPLY

L
N
120-277VAC INPUT

ASSOCIATED STATIC WHITE VEIL LED STRIP

W-
Vo +
BK
RD +

WiZ UR BRIDGE BOX (DW) INSIDE PLASTIC 4 SQUARE JUNCTION BOX

OPTIONAL HARDWIRED LOAD FOR 120VAC ONLY (600W MAX)

L
N

L
N

120V INPUT

PROJECT		FIXTURE TYPE		DATE	

VEIL CEILING, STATIC WHITE WITH LUCY DOWNLIGHT
PLASTER-IN LED SYSTEM, 24VDC

PURE EDGE
Pure Smart Lighting

NETWORK TOPOLOGY: Static White Veil & Static White Lucy with Smart Dimmer and UNI Power Supply

SMART PHONE — WiZ APP

DESKTOP/LAPTROP COMPUTER — WiZ PRO DASHBOARD

works with the Google Assistant
works with alexa
Works with IFTTT
Works with Siri Shortcuts

VOICE CONTROL

---- Wireless 2.4GHZ Wi-Fi
---- Direct Communication
—— Hardwired

WI-FI ROUTER

WiZ — SETTINGS SAVED IN THE EVENT OF POWER LOSS

WiZ — TRAVEL

VEIL STATIC WHITE WIRING

SWW-DIM-WH
(WI-FI DIMMER OPTIONAL)

0-10V WIRES NOT NEEDED

ASSOCIATED STATIC WHITE VEIL LED STRIP

+24VDC
-24VDC

UNI POWER SUPPLY

GND

L
N

LOAD

L — L
N — N

120V INPUT

LUCY STATIC WHITE WIRING

SWW-DIM-WH
(WI-FI DIMMER OPTIONAL)

0-10V WIRES NOT NEEDED

LUCY DOWN LIGHT   LUCY DOWN LIGHT   LUCY DOWN LIGHT

+24VDC
-24VDC

UNI POWER SUPPLY

GND

L
N

LOAD

L — L
N — N

120V INPUT

| PROJECT		FIXTURE TYPE		DATE	

TM30 DATA
PLASTER-IN LED SYSTEM, 24VDC

TM-30-15 DATA: The data below is for ST2A, ST5A, and ST7A bare LED Stomp 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.
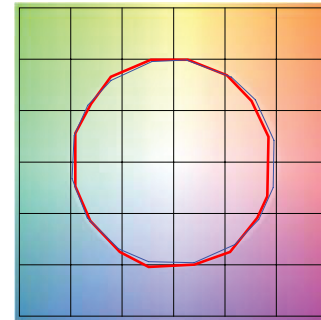
2400K | Rf: 90.2 | Rg: 99.3
Color Vector Graphic
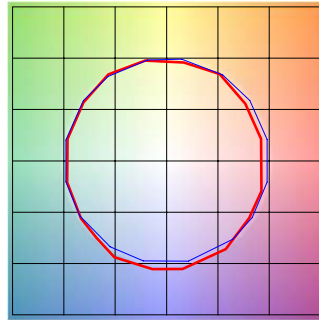
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	89.0	-4.8%	1.1%
2	90.4	-3.7%	3.2%
3	88.1	-0.7%	5.2%
4	93.0	-2.1%	0.9%
5	94.5	-0.1%	2.0%
6	94.7	1.7%	0.6%
7	93.7	-1.9%	-1.5%
8	96.8	-1.2%	0.2%
9	91.9	-1.8%	3.7%
10	88.8	-0.9%	6.1%
11	87.5	3.8%	7.1%
12	89.6	4.3%	0.3%
13	88.1	4.2%	-9.1%
14	82.5	2.8%	-10.6%
15	91.4	-2.1%	-4.2%
16	84.0	-3.6%	-9.9%

2700K | Rf: 89.5 | Rg: 98.3
Color Vector Graphic

Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.6	-5.2%	0.9%
2	90.3	-3.6%	2.9%
3	88.4	-1.5%	5.0%
4	91.9	-2.5%	1.4%
5	93.5	-0.9%	2.3%
6	95.7	0.9%	-0.4%
7	91.1	-3.7%	-0.5%
8	95.8	-2.0%	0.4%
9	90.5	-2.6%	4.5%
10	84.9	-1.1%	8.7%
11	85.0	2.3%	9.8%
12	88.1	5.5%	1.5%
13	90.9	2.9%	-5.2%
14	86.2	4.3%	-8.9%
15	90.7	-2.4%	-3.6%
16	83.0	-2.7%	-11.3%

3000K | Rf: 88.7 | Rg: 98.2
Color Vector Graphic
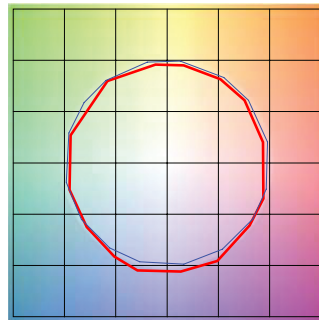
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.3	-5.2%	0.8%
2	90.2	-3.7%	2.7%
3	88.3	-1.6%	4.9%
4	92.2	-2.0%	1.8%
5	91.0	-3.5%	1.8%
6	95.8	0.4%	-0.4%
7	90.2	-4.4%	-0.0%
8	94.8	-2.6%	0.8%
9	89.2	-2.9%	6.0%
10	81.4	-1.5%	9.7%
11	82.9	2.3%	10.5%
12	88.3	6.7%	1.9%
13	91.9	2.8%	-4.0%
14	86.3	4.9%	-8.3%
15	87.1	-1.2%	-6.1%
16	83.2	-1.7%	-11.6%

3500K | Rf: 88.1 | Rg: 97.1
Color Vector Graphic
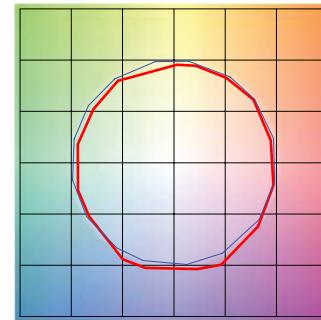
Test ■ Reference ■

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	87.8	-5.2%	1.0%
2	90.8	-3.3%	2.3%
3	89.8	-1.6%	3.9%
4	91.0	-2.7%	0.9%
5	90.0	-5.4%	0.7%
6	95.6	-0.9%	-0.4%
7	90.0	-5.3%	1.4%
8	91.8	-3.6%	3.0%
9	87.1	-2.9%	7.3%
10	80.1	-1.3%	12.2%
11	81.8	4.1%	10.5%
12	88.2	5.1%	2.3%
13	92.4	2.1%	-3.8%
14	86.6	5.0%	-7.9%
15	86.2	-0.7%	-6.8%
16	84.5	-2.1%	-7.0%

4000K | Rf: 87.6 | Rg: 96.8
Color Vector Graphic
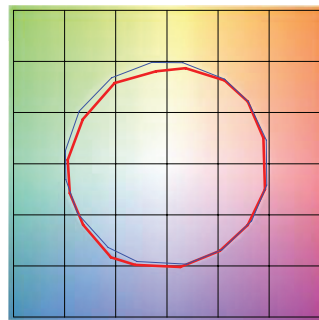
Test ■ Reference ■

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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