GLIDE WOOD DOWNLIGHT SUSPENSION
24VDC REMOTE END FEED, DYNAMIC TUNABLE WHITE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA
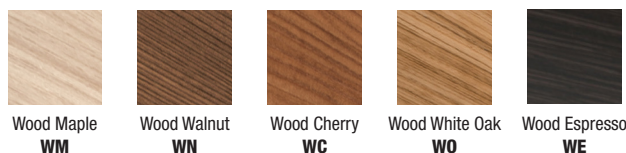
PURE EDGE
LIGHTING

DESCRIPTION

Glide Wood Downlight End-Feed Suspension with Remote Power supply and Dynamic/Tunable White produces a Direct beam of illumination through a Diffused White 100° lens. Housed within Genuine hand-finished Hardwood, each fixture has it's own unique characteristics while preserving a clean and architectural aesthetic. Dynamic Tunable White technology grants independent control for adjusting color temperature and brightness. The **2K4K** option provides a range of 2000K (Amber) through 4000K (Neutral White), ideal for residential and hospitality settings. The **27K6** option ranges from 2700K (Warm White) through 6500K (Cool White), suitable for healthcare, education, office and other commercial applications. Use with two dimmers or use our proprietary Tunable White Controller for fast and accurate adjustment with three pre-set scenes (CDMX1 Ordered separately). Support health, performance, and overall well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle. The Glide Wood Downlight is available in eight standard lengths, with your choice of five Genuine Wood Finishes with a Satin Nickel Canopy for Maple, Walnut, Cherry, and White Oak Finishes, Wood Espresso comes with a Black Canopy. Add optional White or Black louvers for additional diffusion. Remote 24VDC power supplies are sold separately. Fixture includes a 5 year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

INSTALLATION

- Mounts to a Standard Junction Box, pre-wired for either a 120V with a 60 Watt NON-IC (50W-IC) Power Supply that fits in the ceiling Electrical Junction Box, or from a Remote Power Supply feeding 24VDC up to 100 Watts at a distance of 40' away
- Includes Canopy of your choice: Standard Canopy Options: Single 4.6" round canopy **(4R)** or Vanishing Point Plaster-in System with no visible canopy, for additional canopies and accessories refer to page 4.
- Includes adjustable 12' Coaxial and Aircraft Cables (additional Aircraft Cables included for support when fixture exceeds 72")
- Power Supplies sold separately

WOOD FINISHES*

Wood Maple **WM**	Wood Walnut **WN**	Wood Cherry **WC**	Wood White Oak **WO**	Wood Espresso **WE**

Wood finishes are authentic natural products, exact color and grain may vary. If trying to match another wood product please request a sample. Pure Edge may be able to accommodate some requests to match COM.

LUMEN PERFORMANCE

- At 3000K; 5 Watts: 302 Lm/Ft, 10 Watts: 599 Lm/Ft

LAMPING

- Dynamic/Tunable White allows you to pick any color temperature from 2000K-4000K or 2700K-6500K and control any brightness or dim level independently
- 60,000 Hour Lamp Life with normal use
- CRI: 95+

LENS

- Diffused White 100° lens offered with black or white Louvers

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

- UNI Driver **(ELV, 0-10, TRIAC)**
- Lutron Hi-Lume®
- Electronic Low Voltage Dimming **(ELV)**†
- Dynamic Color Changing **(DMX)**
- 0-10 Volt Dimming **(0-10V)**

*In-Wall Mounting Kits available for select power supplies
**Dynamic/Tunable White - Requires two dimmers (one for 2000K/2700K and one for 4000K/6500K) or use our proprietary Tunable White Controller CDMX-1
†ELV power supplies are not compatible with nLight, use only 0-10 volt or Uni driver power supplies

APPLICATIONS

Designed for indoor use only. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

APPROVALS

Damp Location, ETL Listed, Class 2 wiring, Title 24 with Universal Power Supply, 0-10V or Lutron power supplies, Made in America 🇺🇸

System		Wattage Per Foot		Power Feed		Nominal Size (Inches)		Color Temperature		Wood Finish
GLDR		**5W**		**4R**		**72**		**2K4K**		**WM**
GLDR Glide Downlight with Remote Power		**5W** 5 Watt		**4R** 4.6" Round Canopy		**36** 36"	**84** 84"	**2K4K** Tunable White 2000K-4000K		**WM** Wood Maple
GLDBR Glide Downlight with Black Louver with Remote Power		**10W** 10 Watt		**VRD** Vanishing Point Dual Feed Plaster in system with No Canopy		**48** 48"	**96** 96"	**27K6** Tunable White 2700K-6500K		**WN** Wood Walnut
GLDWR Glide Downlight with White Louver with Remote Power						**60** 60"	**108** 108"			**WC** Wood Cherry
				For additional Canopy Options refer to page 4		**72** 72"	**120** 120"			**WO** Wood White Oak
										WE Wood Espresso

PROJECT		FIXTURE TYPE		DATE	

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GLIDE WOOD DOWNLIGHT SUSPENSION
24VDC REMOTE END FEED, DYNAMIC TUNABLE WHITE

PURE EDGE LIGHTING

LAMP DATA Lamp Data for Glide Wood Downlight

GLD

DESCRIPTION	100° Diffused White Lens																												
WATTS PER FOOT	2K4K - 5W (4.6watts)							2K4K - 10W (9.6watts)							27K6 - 5W (4.6watts)							27K6 - 10W (9.6watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	20K	22K	24K	27K	30K	35K	40K	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	235	247	259	271	296	308	320	410	451	492	575	599	612	544	294	302	311	320	308	304	295	558	574	591	608	585	579	560
LUMENS PER WATT (lm/w)	59	54	56	59	64	67	80	51	53	56	60	65	67	68	74	76	76	75	75	76	75	70	62	64	66	64	63	70
CRI	83+	83+	92+	92+	92+	94+	94+	83+	83+	92+	92+	92+	94+	94+	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

GLDB

DESCRIPTION	100° Diffused White Lens with Black Louver																												
WATTS PER FOOT	2K4K - 5W (4.6watts)							2K4K - 10W (9.6watts)							27K6 - 5W (4.6watts)							27K6 - 10W (9.6watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	20K	22K	24K	27K	30K	35K	40K	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	103	108	113	119	130	135	140	179	198	216	252	262	268	238	129	132	136	140	135	133	129	244	251	259	266	256	253	245
LUMENS PER WATT (lm/w)	26	24	25	26	28	29	35	22	23	24	26	29	29	30	32	33	33	33	33	33	33	31	27	28	29	28	28	31
CRI	83+	83+	92+	92+	92+	94+	94+	83+	83+	92+	92+	92+	94+	94+	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

GLDW

DESCRIPTION	100° Diffused White Lens with White Louver																												
WATTS PER FOOT	2K4K - 5W (4.6watts)							2K4K - 10W (9.6watts)							27K6 - 5W (4.6watts)							27K6 - 10W (9.6watts)						
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	20K	22K	24K	27K	30K	35K	40K	27K	30K	35K	40K	45K	57K	65K	27K	30K	35K	40K	45K	57K	65K
LUMENS PER FOOT (lm/ft)	164	173	181	190	207	216	224	287	316	345	403	419	429	381	206	212	218	224	216	213	206	391	402	414	426	410	405	392
LUMENS PER WATT (lm/w)	41	38	39	41	45	47	56	36	37	39	42	46	47	48	52	53	53	52	52	53	52	49	44	45	46	45	44	49
CRI	83+	83+	92+	92+	92+	94+	94+	83+	83+	92+	92+	92+	94+	94+	93+	93+	94+	94+	94+	93+	93+	93+	93+	94+	94+	94+	93+	93+

Wood Maple

Wood Walnut

Wood Cherry
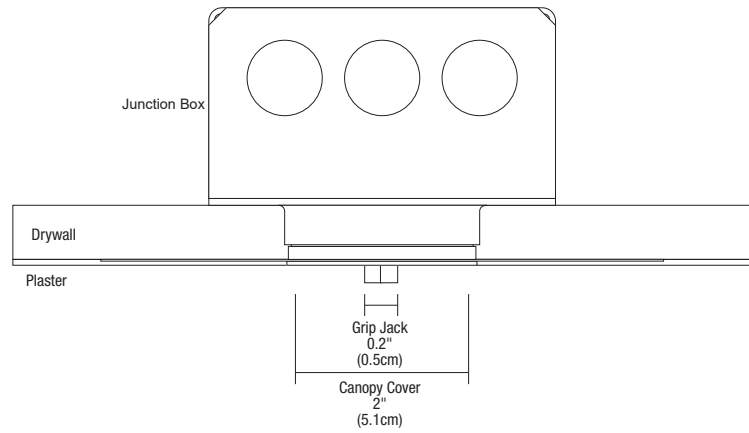

Wood White Oak

Wood Espresso

LENGTH CHART Actual lengths for Glide Wood Downlight Dynamic Tunable White Channel

ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH	5W				10W			
		WITH TWO DIMMERS: YOU NEED TWO UNI DRIVER POWER SUPPLIES, ONE FOR 2000K/2700K AND ONE FOR 4000K/6500K (SEE PAGES BELOW)		DMX POWER AND CDMX CONTROLLER: YOU NEED ONE POWER SUPPLY ONLY (SEE PAGES BELOW)		WITH TWO DIMMERS: YOU NEED TWO UNI DRIVER POWER SUPPLIES, ONE FOR 2000K/2700K AND ONE FOR 4000K/6500K (SEE PAGES BELOW)		DMX POWER AND CDMX CONTROLLER: YOU NEED ONE POWER SUPPLY ONLY (SEE PAGES BELOW)	
		TUNABLE @ 5 WATTS PER FT	POWER SUPPLY	POWER SUPPLY		TUNABLE @ 10 WATTS PER FT	POWER SUPPLY	POWER SUPPLY	
36	36	15	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK		30	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK	
48	48	20	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK		40	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK	
60	60	25	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK		50	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK	
72	72	30	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK		60	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK	
84	84	35	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK		70	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK	
96	96	40	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK		80	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK	
108	108	45	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK		90	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK	
120*	120	50	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK		100	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK	

*Maximum Shipping Length

PROJECT		FIXTURE TYPE		DATE	

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GLIDE WOOD DOWNLIGHT SUSPENSION
24VDC REMOTE END FEED, DYNAMIC TUNABLE WHITE

CANOPY Sizes & Wattages for the Glide Wood Downlight

Remote Power Feed
E Version

Coaxial
Power Cable

Field-Adjustable Up
to 12' (365.8cm)

2.5"
(6.4cm)

36" - 120"
(91.4cm - 304.8cm)

Remote Power Feed
E2 Version

Coaxial
Power Cable

Field-Adjustable Up
to 12' (365.8cm)

2.5"
(6.4cm)

36" - 120"
(91.4cm - 304.8cm)

4" flush canopy
without decorative glass cover

4.6"
(11.6cm)

Field-Adjust-
able Up to 12'
(365.8cm)

0.25"
(0.6cm)

2.5"
(6.4cm)

1.74"
(4.4cm)

Junction Box

Drywall

Plaster

Grip Jack
0.2"
(0.5cm)

Canopy Cover
2"
(5.1cm)

Actual Size

0.25"
(0.6cm)

2.5"
(6.4cm)

1.74"
(4.4cm)

Shown with louver

CANDLE POWER DISTRIBUTION 100°

BEAM SPREAD CHART
NSD 3000K 5 Watt 100°

5 WATT 100°		10 WATT 100°	
DISTANCE	**FOOT CANDLES**	**DISTANCE**	**FOOT CANDLES**
1'	152	1'	279
1.5'	100	1.5'	183
2'	74	2'	136
3'	47	3'	87
4'	34	4'	62
5'	25	5'	47
6'	20	6'	37
7'	15	7'	29
8'	13	8'	24

PROJECT		FIXTURE TYPE		DATE	

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3

GLIDE WOOD DOWNLIGHT SUSPENSION
24VDC REMOTE END FEED, DYNAMIC TUNABLE WHITE

PURE EDGE LIGHTING

VR (Vanishing Point)   **Plaster In System**   2.8" (7cm)   4.1" (10.4cm)   **4R (4" Round Canopy)**   4.6" (11.7cm)
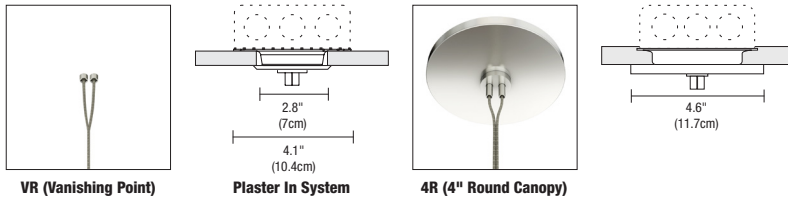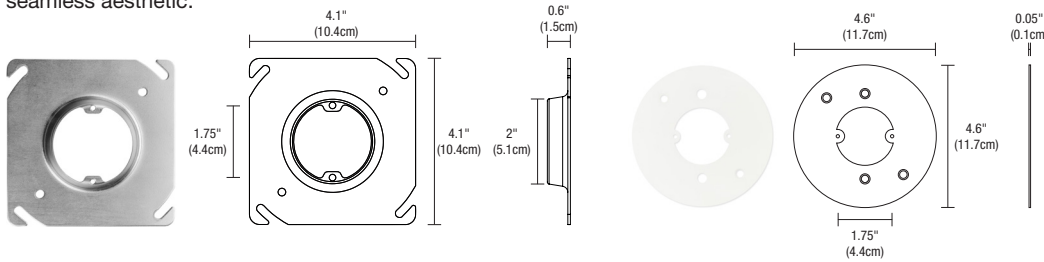
INCLUDED CANOPIES (DEPENDING ON SELECTION)
The 4" canopies mount to a standard 4" junction box. Vanishing Point is the only truly trimless and flush design available on the market as the suspension cables disappear into the ceiling. Refer to the Vanishing Point specification for details and requirements, including millwork options.

NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX
The New Construction NC2-JBOX cover is included with the 2" round and square canopies and is not required for the 4" square canopies. The NC2 cover mounts to a standard 4" junction or octagon box accommodating the 2" Plaster Ring for use with the 2R and 2S canopies. The Remodel RM2-JBOX plaster plate cover can be used with an existing 4" square junction box. The PS-60L-ELV-24VDC (50 Watt IC, 60 Watt Non-IC) fits within the junction box for a seamless aesthetic.

4.1" (10.4cm)   1.75" (4.4cm)   4.1" (10.4cm)   2" (5.1cm)   0.6" (1.5cm)   4.6" (11.7cm)   4.6" (11.7cm)   0.05" (0.1cm)   1.75" (4.4cm)

System		Product	
NC2	–	**JBOX**	
NC2 New Construction 2"		JBOX Junction Box	
RM2 Remodel Plaster Plate			

ACCESSORIES Additional components may be required based on lighting design and application.

2R (2" Round Canopy)   **2S (2" Square Canopy)**   **4S (4" Square Canopy)**   2.8" (7cm)   4.1" (10.4cm)   4.6" (11.7cm)

ADDITIONAL CANOPY OPTIONS
Additional canopies are offered in 2" Round or Square, and 4" square. Matching canopies available, one with power and one for a blank end cap.
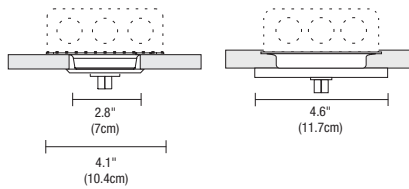
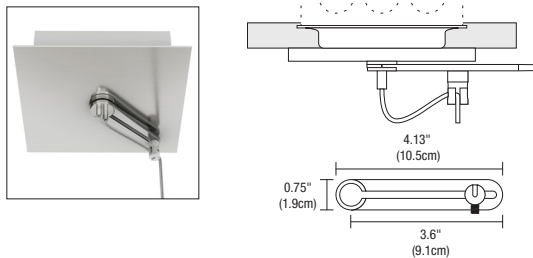| Product	
2R2	
2R 2.8" Round Canopy	2R2 2x2.8" Round Canopies (one blank)
2S 2.8" Square Canopy	2S2 2x2.8" Square Canopies (one blank)
4S 4.6" Square Canopy	4R2 2x4.6" Round Canopies (one blank)
	4S2 2x4.6" Square Canopies (one blank)

VANISHING POINT NON-POWER CABLE GRIP
The Vanishing Point non-power cable grip is compatible with all PureEdge linear suspensions. Refer to the Vanishing Point specification for details and requirements, including millwork options. Max 33lbs.
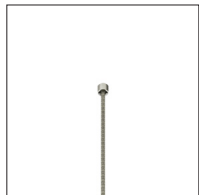
Product		Type/Voltage
VR	–	**CG**
VR Vanishing Point .043" Connection, Plastered in to Drywall. No Outline of Canopy at connection point.		CG Non-Power Cable Grip

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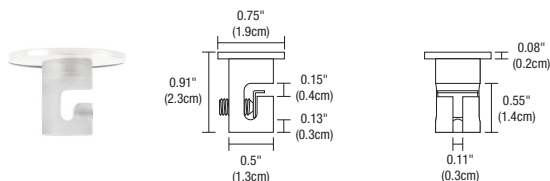### CHANNEL SUSPENSION ADJUSTABLE SWAG BAR AND HOOK
Channel Suspension Adjustable Swag Bar and Hook allows a cable to form a straight connection to the channel when the Power Canopy is not located directly above the fixture. Use when you have two or more canopies (power supplies) on the same fixture run. The Adjustable Swag Hook is compatible with the 2R, 2S, 4R and 4S Power Canopies (Canopy not included).

4.13" (10.5cm)   0.75" (1.9cm)   3.6" (9.1cm)

Product		Type		Finish
CS	–	**ADJ-DP-SWAG**	–	**SN**
CS Channel Suspension		ADJ-SWAG Adjustable Swag Hook for Static White		SN Satin Nickel
		ADJ-DP-SWAG Dual Post Adjustable Swag Hook for 2K4K & RGB		

CHANNEL SUSPENSION SWAG HOOK
The clear plastic Swag Hook extends a cable from an electrical box that is not located directly above desired fixture location.

0.75" (1.9cm)   0.91" (2.3cm)   0.15" (0.4cm)   0.13" (0.3cm)   0.5" (1.3cm)   0.08" (0.2cm)   0.55" (1.4cm)   0.11" (0.3cm)

System		Type
CS	–	**SWAG**
CS Channel Suspension		SWAG Swag Hook

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, ELV

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡				
ORDERING CODES	PS-60L-ELV-24VDC	PSB-60W-ELV-24VDC	PSB-2X60W-ELV-24VDC	PSB-100W-ELV-24VDC
SPECIFICATIONS				
MAXIMUM LOAD	60W NON-IC, 50W-IC (FITS IN JBOX)	60W	2X60W	96W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	2.25" X 1.25" X 0.83"	8.125" X 2" X 1.75"	12.15" X 6.48" X 2.18"	9.25" X 3.5" X 2"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	N/A	PSB-60W-ELV-24VDC-IW	PSB-2X60W-ELV-24VDC-IW	PSB-100W-ELV-24VDC-IW

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†‡			
ORDERING CODES	PSB-2X100W-ELV-24VDC	PSB-3X100W-ELV-24VDC	PSB-4X100W-ELV-24VDC
SPECIFICATIONS			
MAXIMUM LOAD	2X96W	3X96W	4X96W
INPUT VOLTAGE	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	PSB-2X100W-ELV-24VDC-IW	N/A	N/A
DIMMING AND CONTROLS			
LUTRON DIVA: DVELV-300P	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•

†22K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White color temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

‡Electrical Panels using Seimens/Murray AFCI breakers are not compatible with this ELV transformer. Use 0-10 Volt power supplies with this breaker

With N-Lite Dimming Do Not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies
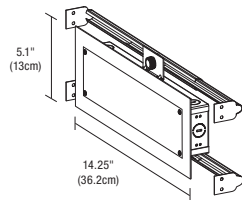
5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.
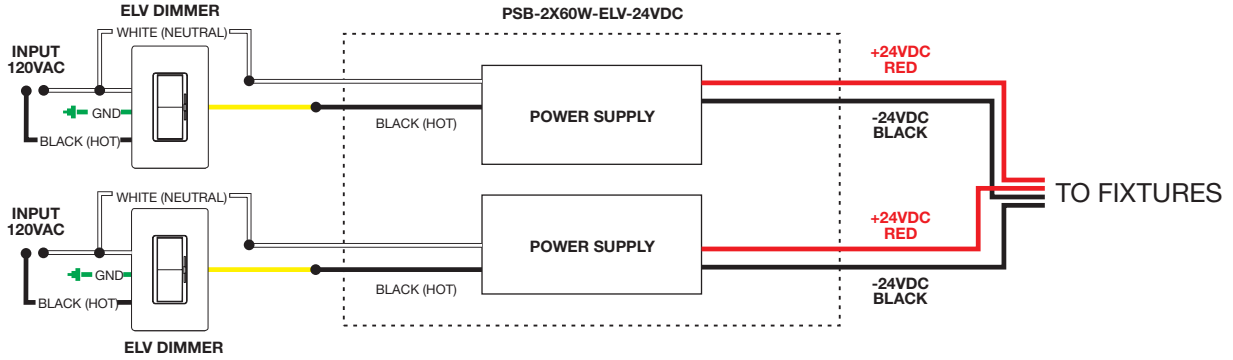
Ordering Codes: PSB-60W-ELV-24VDC-IW
PSB-100W-ELV-24VDC-IW
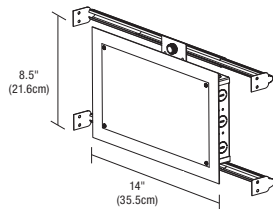
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-2X60W-ELV-24VDC-IW
PSB-2X100W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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SAMPLE WIRING DIAGRAMS 24VDC ELV

Application: Dual ELV dimming for Dynamic/Tunable White

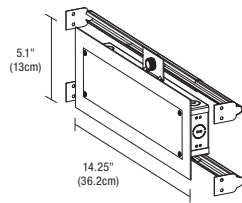**Dimming:**   Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2

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PROJECT | FIXTURE TYPE | DATE

INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES
24VDC 0-10V REMOTE POWER SUPPLY, STATIC & DYNAMIC TUNABLE WHITE DUAL CONTROL.

PURE EDGE LIGHTING

REV 01.18.21

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODE	PSB-25W-010-24VDC	PSB-60W-010-24VDC	PSB-96W-010-24VDC	PSB-2X96W-010-24VDC
SPECIFICATIONS				
MAXIMUM LOAD	25W	60W	96W	2X96W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-25W-010-24VDC-IW	PSB-60W-010-24VDC-IW	PSB-96W-010-24VDC-IW	PSB-2X96W-010-24VDC-IW

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†		
ORDERING CODE	PSB-3X96W-010-24VDC	PSB-4X96W-010-24VDC
SPECIFICATIONS		
MAXIMUM LOAD	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2
IN-WALL MOUNTING	N/A	N/A
DIMMING & CONTROLS		
PHILIPS SUNRISE: SR1200ZTUNV	•	•
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•
LUTRON RADIO RA2: RRD-10ND	•	•
LEVITON: LEV40050	•	•
LEVITON IP710-LFZ	•	•
LEGRAND: ADPD4FBL3P2W4	•	•

5.1 x 14.25 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

5.1" (13cm)
14.25" (36.2cm)

Ordering Codes: PSB-25W-010-24VDC-IW, PSB-60W-010-24VDC-IW
PSB-96W-010-24VDC-IW
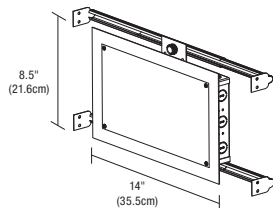
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

8.5" (21.6cm)
14" (35.5cm)

Ordering Codes: PSB-2X96W-010-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE 0-10V REMOTE POWER SUPPLIES

24VDC 0-10V REMOTE POWER SUPPLY, STATIC & DYNAMIC TUNABLE WHITE DUAL CONTROL.

PURE EDGE
L I G H T I N G

SAMPLE WIRING DIAGRAMS 24VDC 010

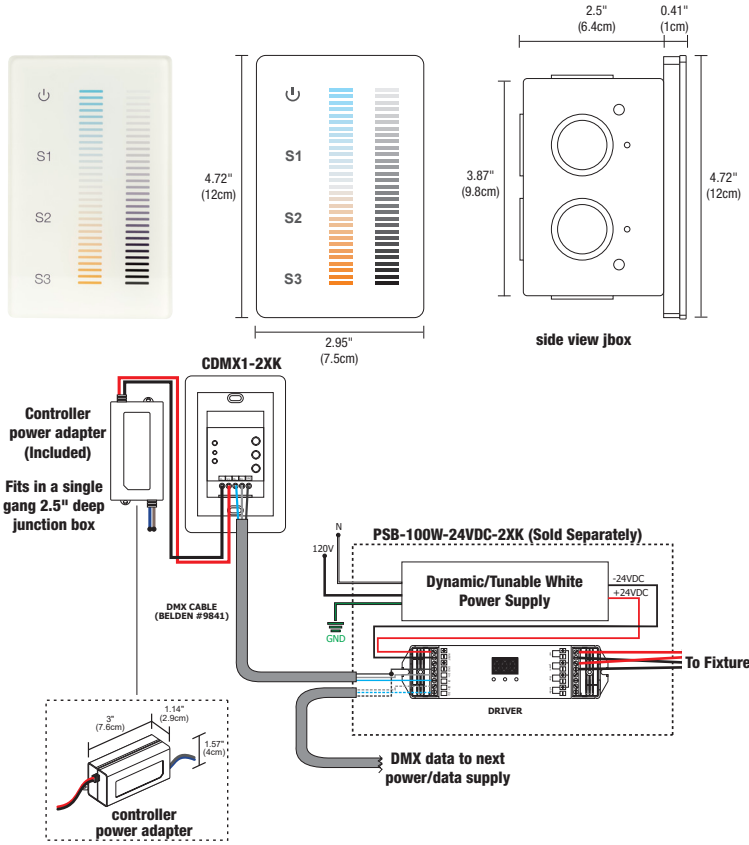**Application:**   Dual 0-10V dimming for Dynamic/Tunable White

Dimming: Dimmable with Dual 0-10V dimmers: Signify (Phillips) Sunrise: SR1200ZTUNV, Leviton Dimmers: LEV40050, IP710-LFZ, *IP710-DLZ *(Built in LED locator light), Legrand Dimmer: ADPD4FBL3P2W4, Lutron Systems: Lutron GRAFIX Eye QS Main Unit (with DRX-TVI) Radio Ra2 (with GRX-TVI)

PROJECT		FIXTURE TYPE		DATE	

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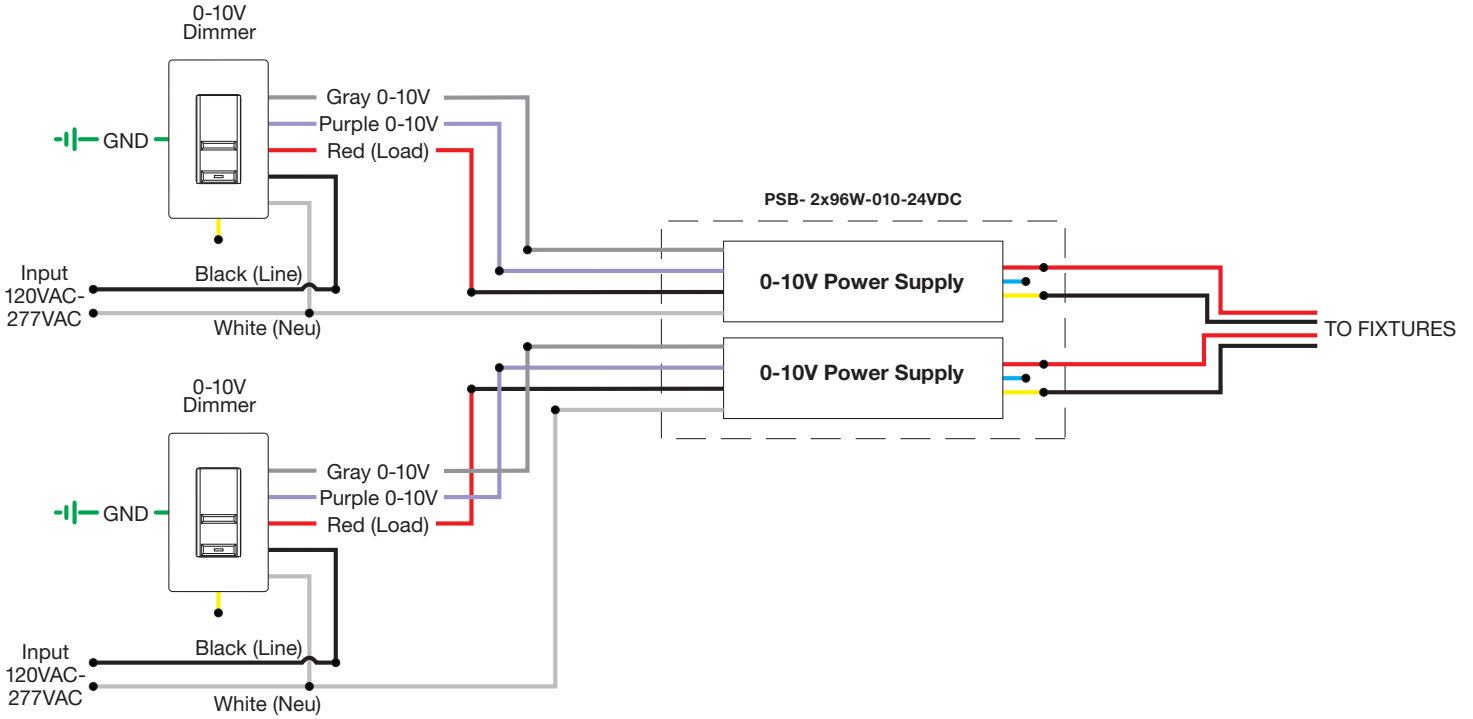
DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES
24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS

PURE EDGE LIGHTING

REV 01.18.21

Diagram Labels

4.72" (12cm)

2.95" (7.5cm)

2.5" (6.4cm)   0.41" (1cm)

3.87" (9.8cm)   4.72" (12cm)

side view jbox

CDMX1-2XK

Controller power adapter (Included)

Fits in a single gang 2.5" deep junction box

DMX CABLE (BELDEN #9841)

PSB-100W-24VDC-2XK (Sold Separately)

N
120V
Dynamic/Tunable White Power Supply
-24VDC
+24VDC
GND

DRIVER

To Fixture

3" (7.6cm)   1.14" (2.9cm)   1.57" (4cm)

controller power adapter

DMX data to next power/data supply

DESCRIPTION:

The Dynamic/Tunable White **(2K4K or 27K6)** Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. Designed for Dynamic/Tunable White, and dual-color LED installations within a single zone. The two Vertical Touch sliders are precise and sensitive, allowing you to fine-tune your perfect Color Temperature at any point between **2000K** (Sunset) to **4000K** (Cool White) or from **2700K** (Incandescent White) to **6500K** (Daylight White) while selecting over 250 levels of Brightness in a smooth, uninterrupted transition. Create Thousands of Dynamic White Color Combinations while maintaining even Brightness and overall saturation. Easily save three pre-set scenes for different times of the day. Support health, performance, and general well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle using the latest in LED technology. Includes a power adapter that fits behind the controller within a standard junction box and fits inside a standard single-gang receptacle (not for use in a multi-gang box). Use with an insulated, 24 AWG stranded, tinned copper wire (Belden #9841). Power Supplies are Sold Separately. Includes a 5 year pro-rated warranty.

APPLICATIONS:
Indoor

INSTALLATION:
Fits in a single gang 2.5 inch deep junction box. Not compatible with multi-gang boxes.

POWER INPUT:
120-240VAC

OUTPUT SIGNAL:
USITT DMX 512 (1990)

LABELS:
ROHS, FCC, Damp Location, ETL/UL

Product		Type		Finish
CDMX1	–	**2XK**	–	**WH**

CDMX1 DMX Single Zone Touch Controller   **2XK** Tunable White   **WH** White

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS†

ORDERING CODE	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
SPECIFICATIONS				
MAXIMUM LOAD OF LED STRIP LENGTH	100W 5 WATTS - 20FT MAX. 10 WATTS - 10FT MAX.	2X100W 5 WATTS 2 X 20FT MAX. 10 WATTS - 2 X 10FT MAX.	3X100W 5 WATTS 3 X 20FT MAX. 10 WATTS - 3 X 10FT MAX.	4X100W 5 WATTS 4 X 20FT MAX. 10 WATTS - 4 X 10FT MAX.
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 6.48" X 2.18"	14" X 10" X 3"	17" X 10" X 3"	17" X 10" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-100W-24VDC-2XK-IW	NA	NA	NA
DMX DYNAMIC/TUNABLE WHITE DIMMING & CONTROLS				
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements

- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

IN WALL MOUNTING OPTIONS
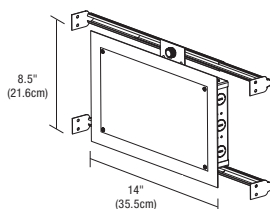
8.5" (21.6cm)

14" (35.5cm)

8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-100W-24VDC-2XK-IW

| PROJECT		FIXTURE TYPE		DATE	

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UNI INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC UNIVERSAL DIMMING WITH ELV, 0-10V, TRIAC | DYNAMIC TUNABLE WHITE TECHNOLOGY

PURE EDGE LIGHTING

REV 01.18.21

UNIVERSAL POWER SUPPLIES & COMPATIBLE DIMMERS†			
ORDERING CODE	**PSB-2X40W-UNI-24VDC**	**PSB-2X60W-UNI-24VDC**	**PSB-2X96W-UNI-24VDC**	**PSB-4X96W-UNI-24VDC**
SPECIFICATIONS			
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-2X40W-UNI-24VDC-IW	PSB-2X60W-UNI-24VDC-IW	PSB-2X96W-UNI-24VDC-IW	NA
ELV DIMMING & CONTROLS			
LUTRON DIVA: DVELV-300P	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•	•
0-10 DIMMING & CONTROLS			
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA: DVTV-WH, DVSTV-WH	•	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•	•
LUTRON GRAFIK EYE QS: QSGRJ-XP	•	•	•	•
LUTRON RADIO RA2: RRD-10ND	•	•	•	•
LEVITON: LEV40050	•	•	•	•
LEVITON IP710-LFZ	•	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•	•
TRIAC DIMMING & CONTROLS			
LUTRON SKYLARK: S2-L-WH	•	•	•	•
LUTRON DVLV-600P-WH	•	•	•	•
LUTRON DVLV-603P-WH	•	•	•	•
LUTRON MALV-600-WH	•	•	•	•
LUTRON MALV-1000-WH	•	•	•	•
LUTRON MA-R-XX	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
  – Triac Dimmer: (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
  – ELV Dimmer: (Reverse Phase) Dimming of Electronic Low Voltage Transformers and Power Supply's used for LED lighting
  – 0-10 Dimmer: Dims the Low Voltage side of a 0-10 volt power supply commonly used in large scale lighting or commercial applications.
- The Uni-Power Supply is recommended with any Siemens/Murray brand of arc fault breaker to overcome the issues with tripping the breakers with an ELV LED Low Voltage Drivers.
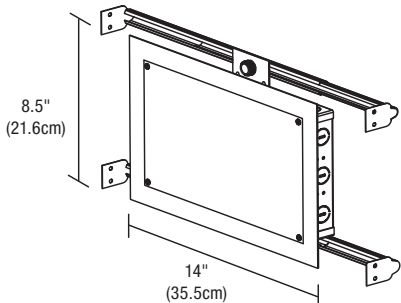
MAXIMUM LENGTH

POWER SUPPLY	5 WATTS	10 WATTS
PSB-2X40W-UNI-24VDC	8 FEET	4 FEET
PSB-2X60W-UNI-24VDC	12 FEET	6 FEET
PSB-2X96-UNI-24VDC	20 FEET	10 FEET
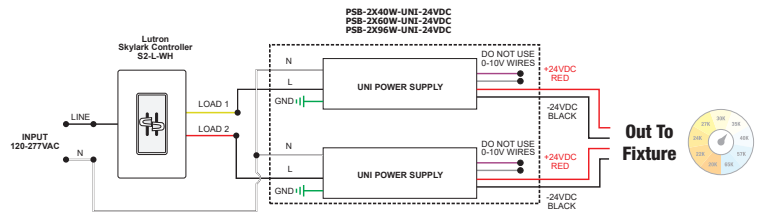
Configuration 1
S2-L-WH (TRIAC) Single Pole Dimming with
Dual Universal Power Supplies

IN WALL MOUNTING OPTIONS

8.5"
(21.6cm)

14"
(35.5cm)

In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes 8.5 x 14.25 inch: PSB-2X40W-UNI-24VDC-IW,
PSB-2X60W-UNI-24VDC-IW,
PSB-2X96W-UNI-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES
24VDC, LUTRON ECOSYSTEM

Dynamic/Tunable White uses one or two power supplies, dependent on the controller or dimmer(s) used. Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s).

LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†

ORDERING CODES	L3D0-96W24V-U	2-WIRE ECOSYSTEM LTEA4U1UKL-CV240	3-WIRE ECOSYSTEM L3DA4U1UKL-CV240
SPECIFICATIONS			
MAXIMUM LOAD	96W	5W-40W	5W-40W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2
DIMMING AND CONTROLS			
RADIO RA2	•	•	•
HOMEWORKS QS	•	•	•
PHPM-3F-120	•	•	•
PHPM-3F-DV	•	•	•
BCI-0-10	•	•	•

*Tunable White Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies.
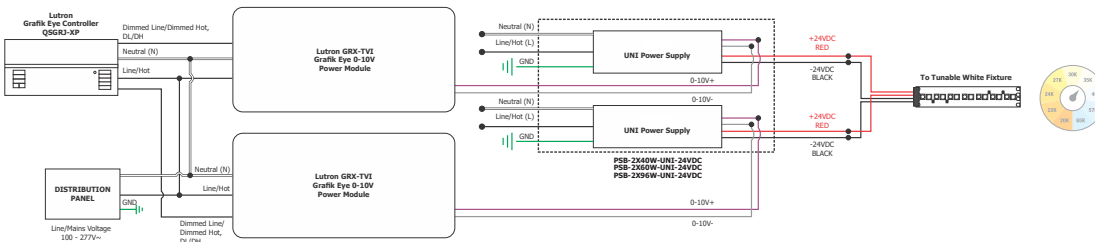
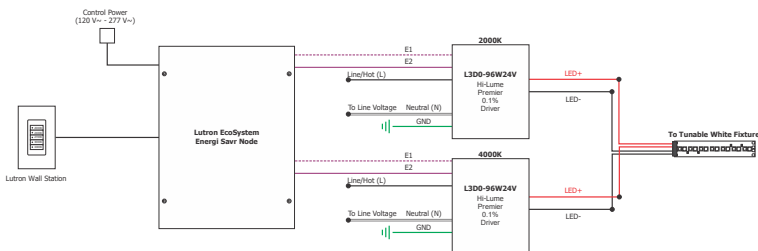**WIRING DIAGRAM:** DMX Control with Lutron Grafik Eye Control Unit
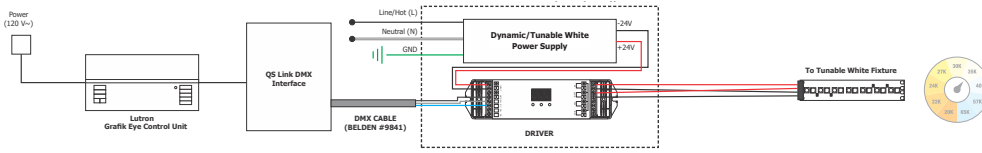
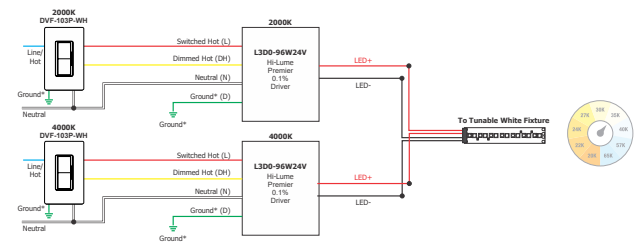**WIRING DIAGRAM:** Line Voltage Dimming with Lutron Grafik Eye Control Unit
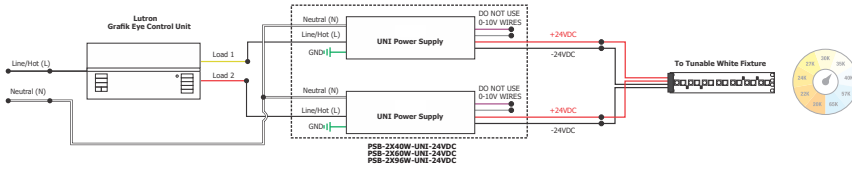
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller

WIRING DIAGRAM: 2-Wire EcoSystem Panel

WIRING DIAGRAM: 3-Wire EcoSystem Wall Box

PROJECT		FIXTURE TYPE		DATE	

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TM-30-15 DATA: The data below is for 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.

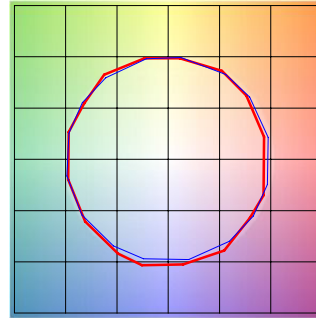### 2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9
Color Vector Graphic
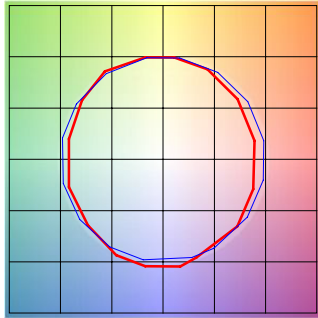
Test Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15	79.7	-3.3%	-12.9%
16	78.1	-7.9%	-10.6%

3000K (2K4K) | Rf: 90.2 | Rg: 101.4
Color Vector Graphic

Test Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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%
15	91.6	-1.9%	-3.1%
16	83.8	-1.5%	-11.2%

4000K ONLY (2K4K) | Rf: 89.6 | Rg: 99.1
Color Vector Graphic
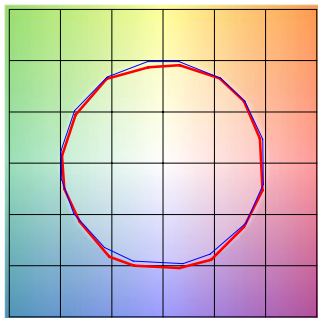
Test Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4	0.4%	-4.3%
16	86.6	0.4%	-6.1%

PROJECT		FIXTURE TYPE		DATE	