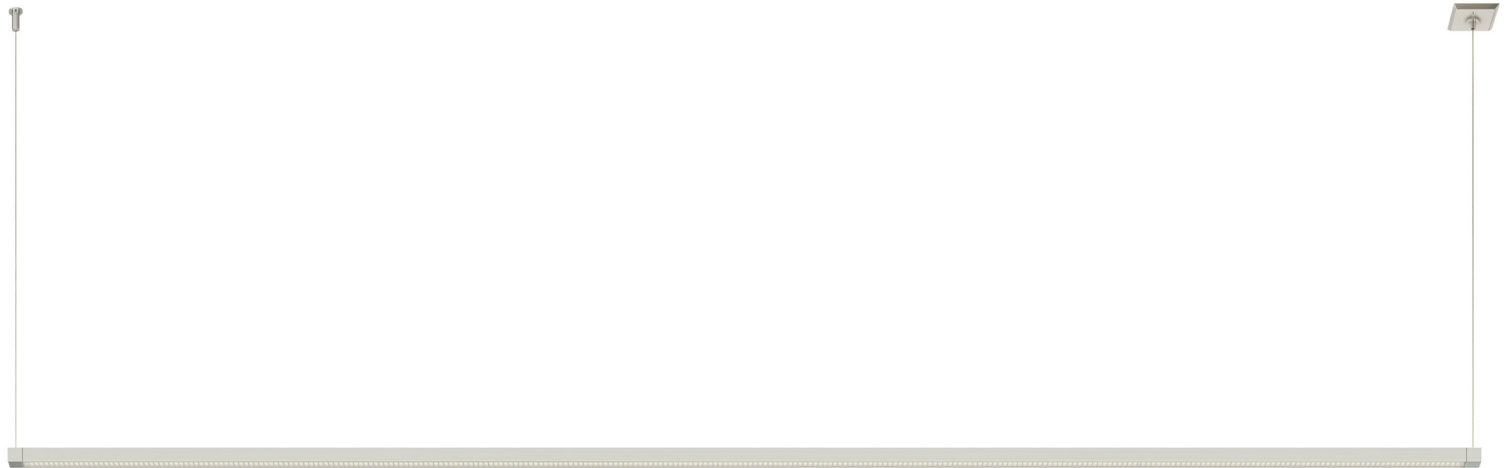


ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 10.09.20



DESCRIPTION

Zip Suspension Downlight with Remote 24VDC power supply is a linear LED fixture that offers spot-free, direct light in a clean, contemporary style. Zip is available in various lengths from 12" to 480" (40ft), a 100° beam spread, optional louver for additional diffusion and a variety of finishes with Warm Dim, Tunable White, and RGB options. Fixture includes a 5-year warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

Wattages for this fixture are available in the following options:

- 2W - 2.5 watts per foot, lengths up to 480" (40ft) before re-feeding
- 5W - 5 watts per foot, lengths up to 240" (20ft) before re-feeding
- 7W - 7.5 watts per foot, lengths up to 144" (12ft) before re-feeding

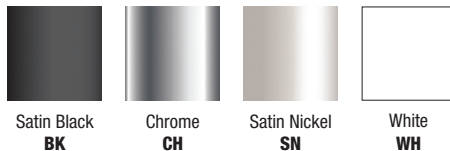
INSTALLATION

- Includes your choice of one or 2 canopies; one for remote power, one blank - 2R2, 2S2, 4R2, 4S2
- Adjustable 12ft coaxial and aircraft cables included; additional aircraft cables included for support when fixture exceeds 96"

LENSES

- Available in a Diffused White Lens with 100° beam spread or Clear Frosted Lens at 60° beam spread with Louver
- Optional black louver available for both lenses

FINISHES



APPLICATIONS

Designed for indoor use only. Ideal applications in Commercial, Retail, Residential, Hospitality, Education, and Healthcare Institutions.

LAMPING

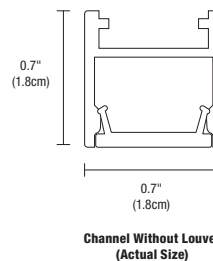
- Choose from 11 color temperatures from 2200K-5700K including Warm Dim, Tunable White and RGB
- Warm Dim (optional): 2700K to 2000K (**27D**) or 3000K to 2000K (**30D**)
- Tunable White (optional): 2000K-4000K
- RGB (optional): Red, Green, Blue
- 50,000 Hour Lamp Life

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

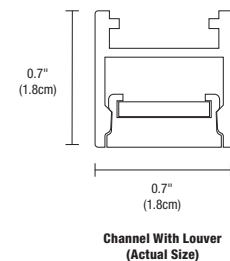
- Universal Power Supply (**UNI**) (TRIAC, ELV, 0-10V) with corresponding dimmer
- Electronic Low Voltage (**ELV**)
- Lutron Hi-Lume®
- Dynamic Color Changing (**DMX**)

*In-Wall Mounting Kits available for select power supplies

**Dynamic/Tunable White - Requires two dimmers (one for 2000K and one for 4000K) or use our proprietary Tunable White Controller CDMX-1



Channel Without Louver (Actual Size)



Channel With Louver (Actual Size)

System	Wattage Per Foot	Canopy	Nominal Size	Color Temperature	Finish
ZSD	2W	2R	480	22K	SN
ZSD Zip Suspension Diffused Lens without Louver	2W 2.5 Watts (480" Max, 40ft)	2R 2.8" Round Canopy	12-480 Order in various increments from 12" to 480"	22K 2200K Candle White	BK Satin Black
ZSDB Zip Suspension Diffused Lens with Black Louver	5W 5 Watts (240" Max, 20ft)	2S 2.8" Square Canopy		24K 2400K Very Warm White	CH Chrome
ZSCB Zip Suspension Clear Frosted Lens with Black Louver	4R 4.6" Round Canopy	4S 4.6" Square Canopy		27K 2700K Incandescent White	SN Satin Nickel
	7W 7.5 Watts (144" Max, 12ft)	2R2 2x2.8" Round Canopy		27D 2700K Warm Dim (5W only)	WH White
		2S2 2x2.8" Square Canopy		30K 3000K Warm White (Halogen)	
		4R2 2x4.6" Round Canopy		30D 3000K Warm Dim (Halogen, 5W only)	
		4S2 2x4.6" Square Canopy		35K 3500K Neutral White	
		VR Vanishing Point Plaster in system with No Canopy		40K 4000K Cool White	
		VRD Vanishing Point Dual Feed		57K 5700K Daylight White	
			*Maximum shipping length is 120"; Maximum shipping length for Chrome is 84".	2K4K Tunable White 2000K-4000K (5W only, 20ft. max)	
			*See length chart for exact dimensions	27K6 Tunable White 2700K-6500K (5W only)	
				RGB RGB (5W only, 20ft. max)	

PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

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Lamp Data: Lamp data for Downlight Channel

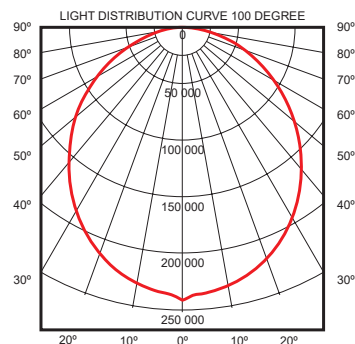
	ZSD																							
DESCRIPTION	100 Degree Diffused White Lens without Louver																							
WATTS PER FOOT	2W (2.5 watts)								5W (4.4 watts)								7W (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	
LUMENS PER FOOT (lm/ft)	80	89	98	107	123	134	142	173	192	211	260	231	284	264	287	306	275	305	335	367	420	456	486	
LUMENS PER WATT (lm/w)	32	35.5	39	43	49	53	57	39	43.5	48	54	52	59	60	65	70	38	42	46	50	58	63	67	
CRI	85+	90+	95+	95+	85+	84	84	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84	

	ZSDB															
DESCRIPTION	100 Degree Diffused White Lens with Black Louver															
WATTS PER FOOT	5W (5 watts)								7W (7.5watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	67	74.5	82	101	90	110	103	111	119	107	118.5	130	142	163	177	188
LUMENS PER WATT (lm/w)	15	17	19	21	20	23	23	25	27	15	16.5	18	19	22	24	26
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

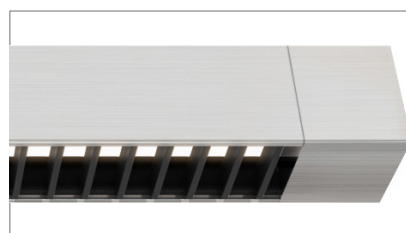
	ZSCB															
DESCRIPTION	60 Degree Clear Frosted White Lens with Black Louver															
WATTS PER FOOT	5W (4.4 watts)								7W (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	76	84.5	93	128	101	140	116	126	134	121	134	147	161	185	201	214
LUMENS PER WATT (lm/w)	17	19	21	27	23	29	26	29	31	17	18.5	20	22	25	27	29
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

*27D, 30D - Warm Dim (4.8 Watts)

5W DIFFUSED WHITE			
Distance	Foot Candles 5W	Beam Width Vert. Spread 101.1°	Beam Width Horiz. Spread 97.4°
1.7ft	120fc	4.1ft	3.9ft
3.3ft	39fc	8.0ft	7.5ft
5.0ft	16fc	12.1ft	11.4ft
6.7ft	10fc	16.3ft	15.3ft
8.3ft	6fc	20.2ft	18.9ft
10.0ft	4fc	24.3ft	22.8ft



Shown without Louver



Shown with Black Louver

PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

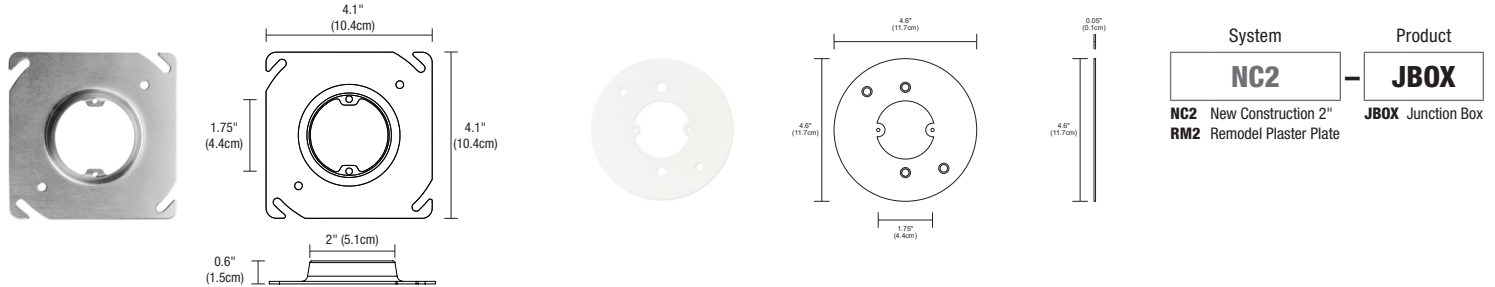
DOWNLIGHT WITH REMOTE POWER, END FEED

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COMPONENTS Swag Bar & Hook, Swag Hook, and T-Bar are compatible with all Power Canopy options and may be required based on lighting design and application

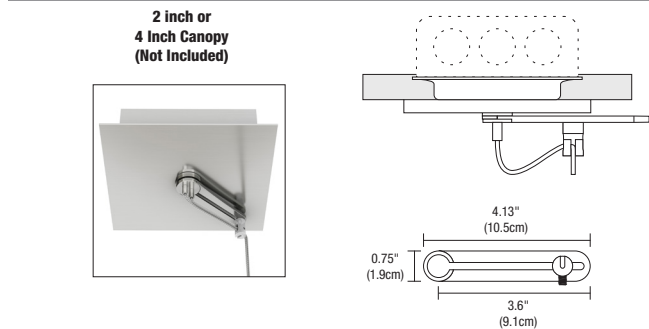
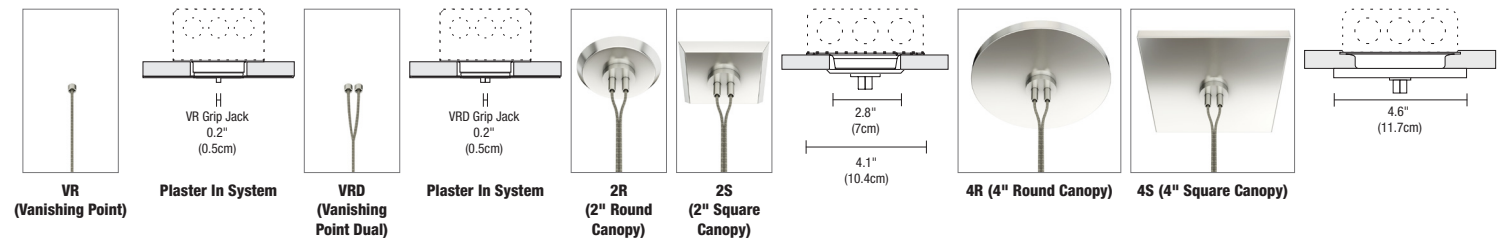
NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX

The New Construction NC2-JBOX Cover is included with the 2" Round and Square Canopies and is not required for the 4" Square Canopies. NC2 New Construction Junction Box Cover mounts to a standard 4" Electrical Box or Octagon Box, converting it to a 2" Plaster Ring for use with the 2R (Round) or 2S (Square) Canopy. The Remodel RM2-JBOX Plaster Plate cover is used with an existing 4" Square Junction Box and standard Round Plaster Ring. The PS-60L-ELV-24VDC (50 Watt IC, 60 Watt Non-IC) will fit inside the NC2 or RM2-JBOX Cover and Electrical Junction Box for a flush look.



ZIP REMOTE POWER CANOPIES (INCLUDED)

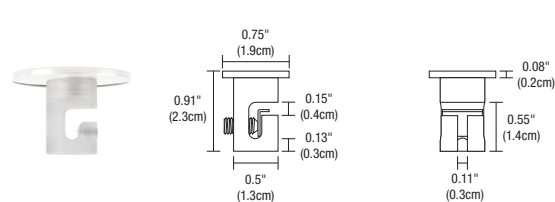
Canopies are included with Canopy ordering code. The 2" Round and Square Canopy includes a special Plaster Ring NC2-JBOX (above). The 4" Square or Round Canopy fits on a standard 4" Electrical Box with Round Plaster Ring and the PS-60L-ELV-24VDC 50 Watt IC, 60 Watt Non-IC) will fit inside the NC2 or RM2-JBOX Cover and Electrical Junction Box for a flush look. Vanishing Point Plaster in system with No Canopy, only see cable going through drywall ceiling with GJ24.



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).

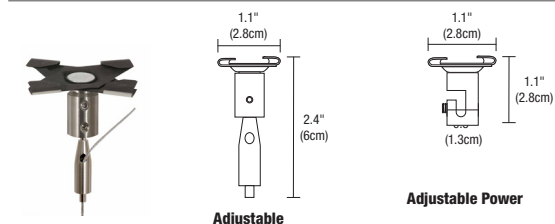
Product	Type	Finish
CS	ADJ-DP-SWAG	SN
CS Channel Suspension	ADJ-SWAG Adjustable Swag Hook for Static White ADJ-DP-SWAG Dual Post Adjustable Swag Hook for 2K4K & RGB	SN Satin Nickel



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.

System	Type
CS	SWAG
CS Channel Suspension	SWAG Swag Hook



CHANNEL SUSPENSION ADJUSTABLE T-BAR CLIP

Channel Suspension Adjustable T-Bar Clip mounts to T-Bar grid ceilings. Available in Satin Nickel Hardware as Adjustable Power and Non-Power versions.

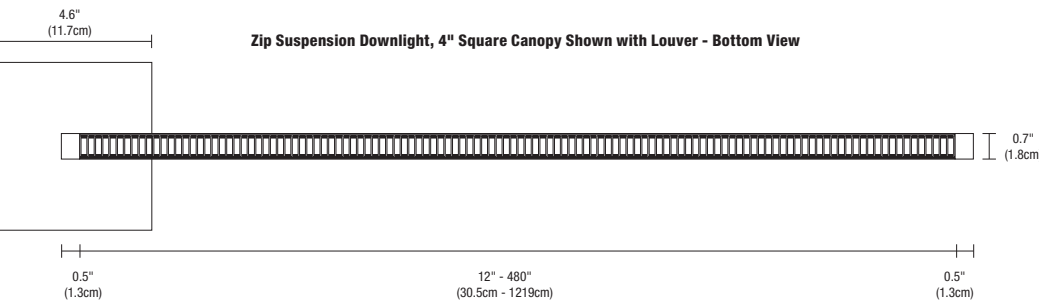
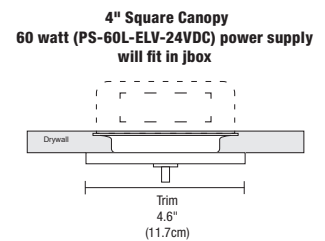
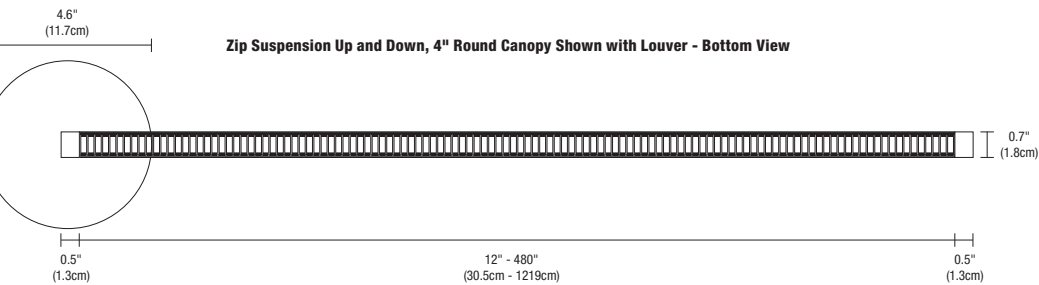
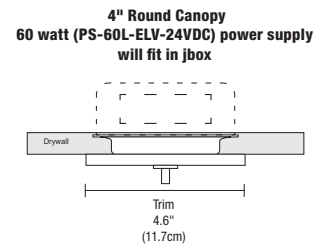
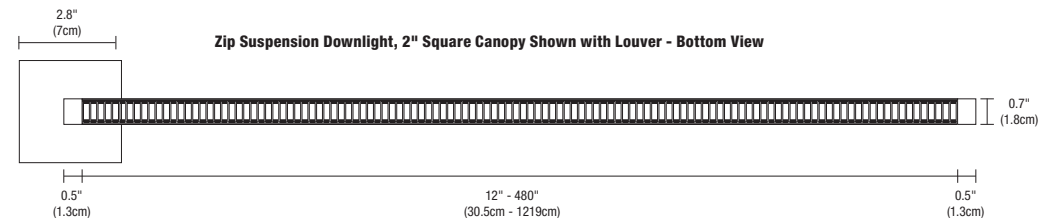
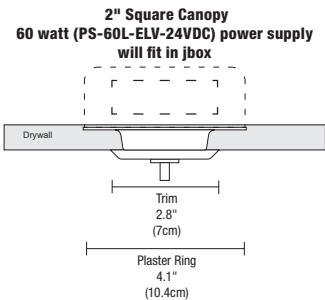
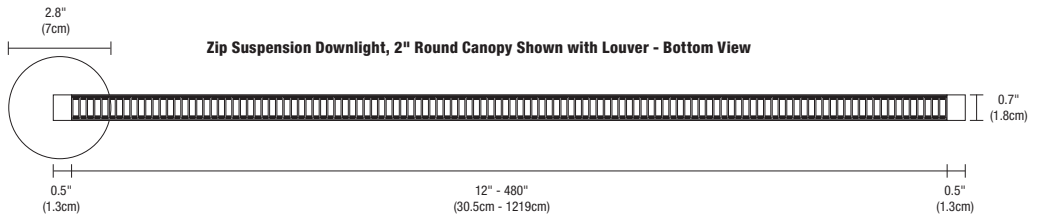
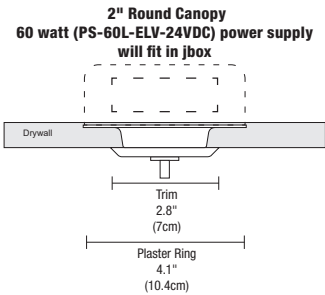
Product	Type	Options	Finish
CS	TBAR	A	W
CS Channel Suspension	TBAR 9/16" and 15/16"	A Adjustable AP Adjustable Power	W White BK Satin Black

PROJECT	FIXTURE TYPE	DATE
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ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

Drawings: Drawings are shown with 2 inch round canopy, 2 inch square canopy, 4 inch round canopy, and 4 inch square canopy



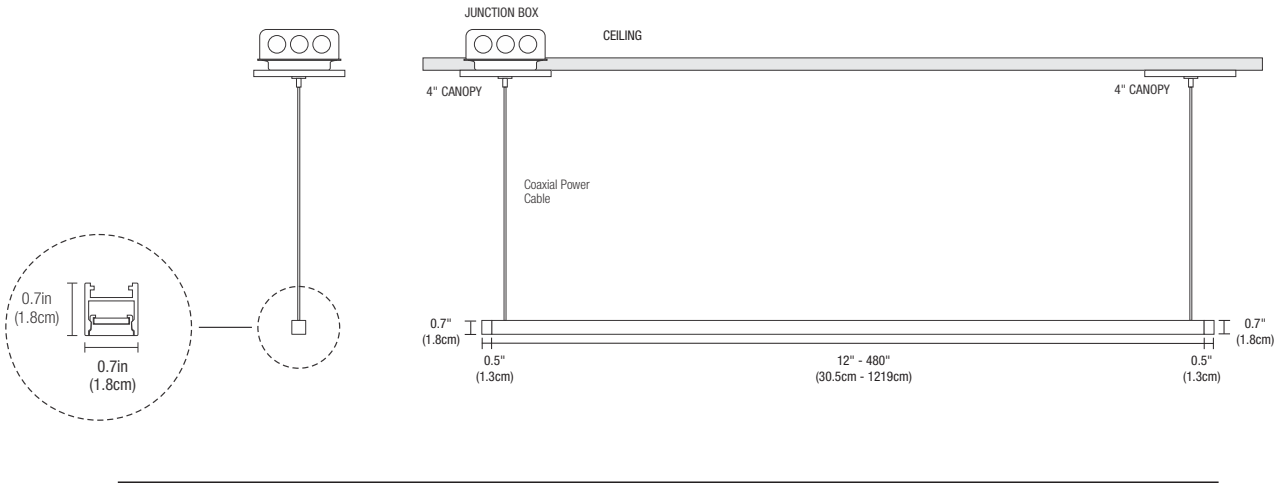
PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

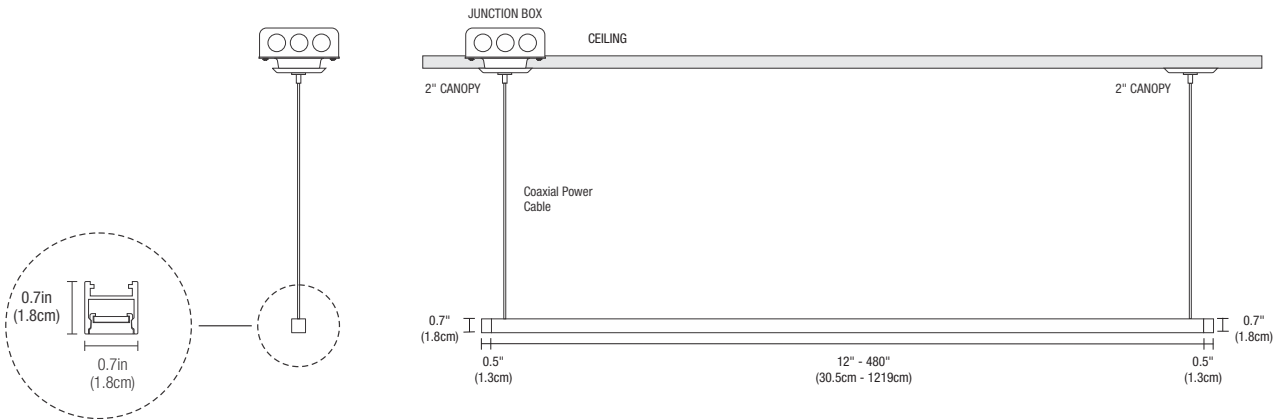
DOWNLIGHT WITH REMOTE POWER, END FEED

Drawings: Side-view shown with two 2 and 4 inch canopies; one for remote power, one blank

Zip Suspension Downlight with Remote Power 4R2, 4S2, 4" Canopy Shown with Louver



Zip Suspension Downlight with Remote Power 2R2, 2S2, 2 inch Canopy Shown with Louver



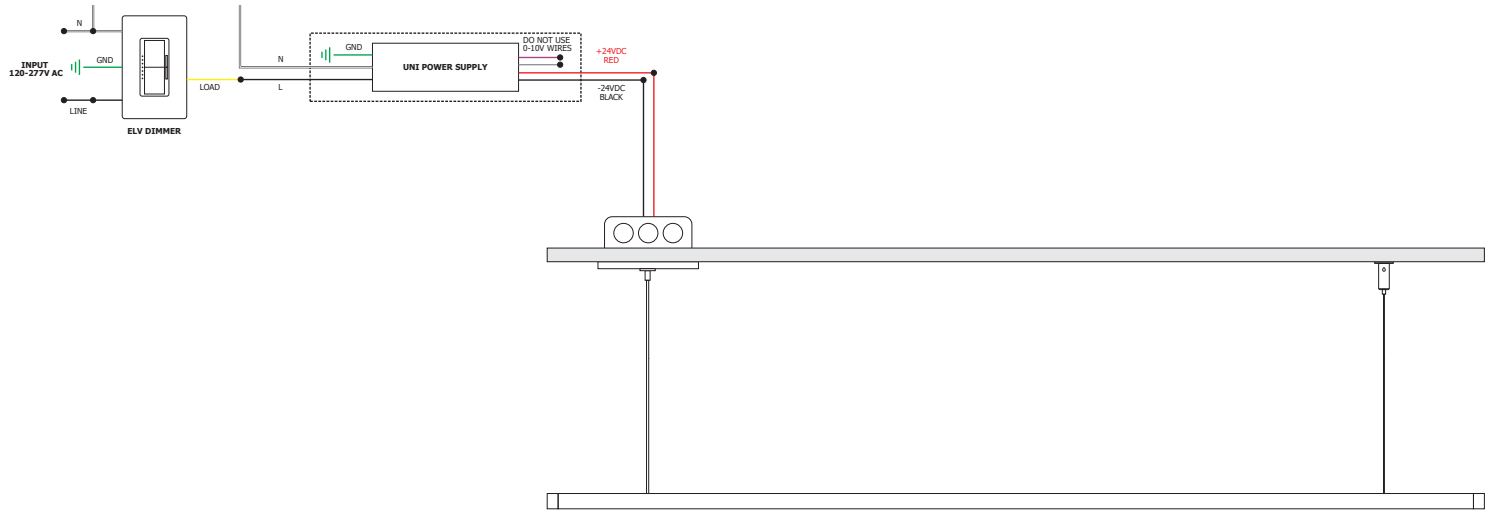
PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

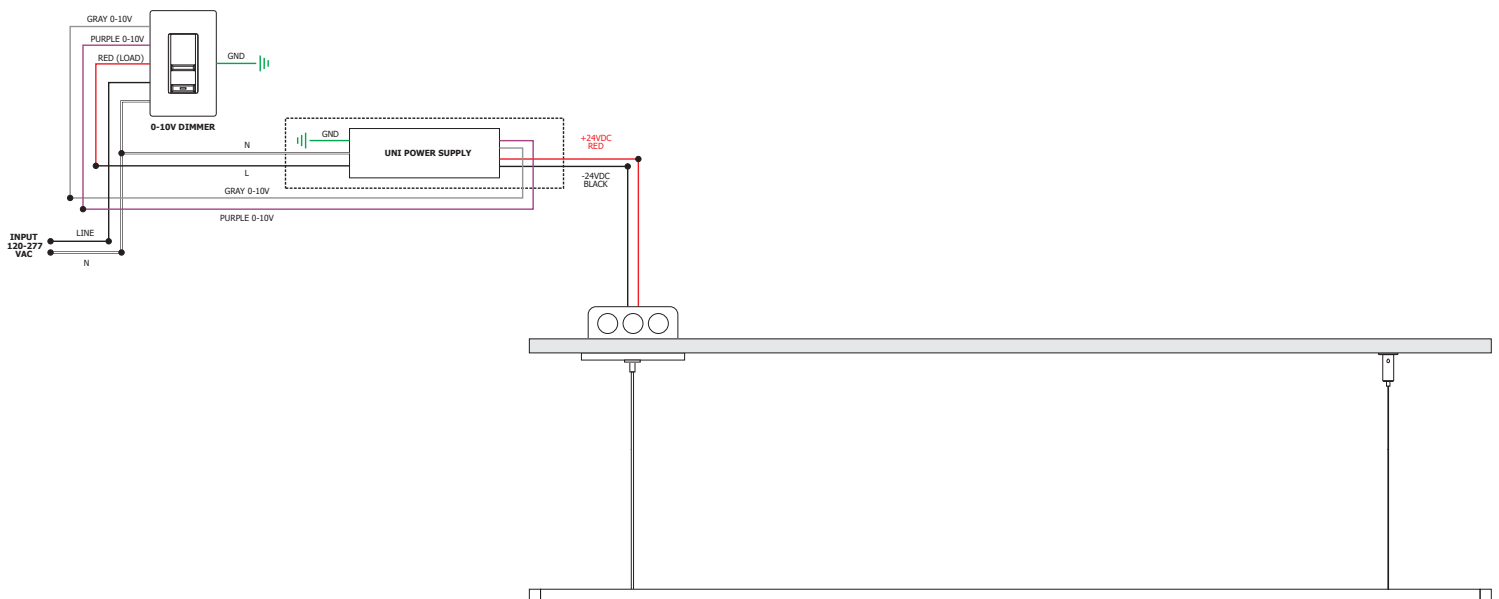
Wiring Diagram: Wiring diagram for Static White with ELV Dimmer

- Application:** ELV dimming for Zip Suspension Downlight, End Feed Canopy, Static White
- Power Supply:** Class 2, 24VDC output: 120VAC input, PS-60L-ELV-24VDC (Fits in Jbox)
- Remote Power Supplies:** PSB-60W-ELV-24VDC, PSB-100W-ELV-24VDC, UL 2108: PSB-200W-ELV-24VDC
- Dimming:** Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELVz-300P, Maestro MAELV-600 and Radio Ra 2



Wiring Diagram: Wiring diagram for Static White with 0-10 Volt Dimmer

- Application:** 0-10V dimming for Zip Suspension Downlight, End Feed Canopy, Static White
- Remote Power Supplies:** UL Class 2, 24VDC output: 120/277 VAC input, PSB-60W-010-24VDC, PSB-100W-010-24VDC, UL 2108: PSB-200W-010-24VDC
- Dimming:** Dimmable with 0-10V dimmer: Philips: Sunrise SR1200ZTUNV; Lutron: Diva DVTW-WH, Nova-T NTSTV-DV-XX, Grafix Eye QS QSGRJ-XP, Radio RA2 RRD-1-ND; Leviton: LEV40050, IP710-LFZ; Legrand ADPD4FBL3P2W4



PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

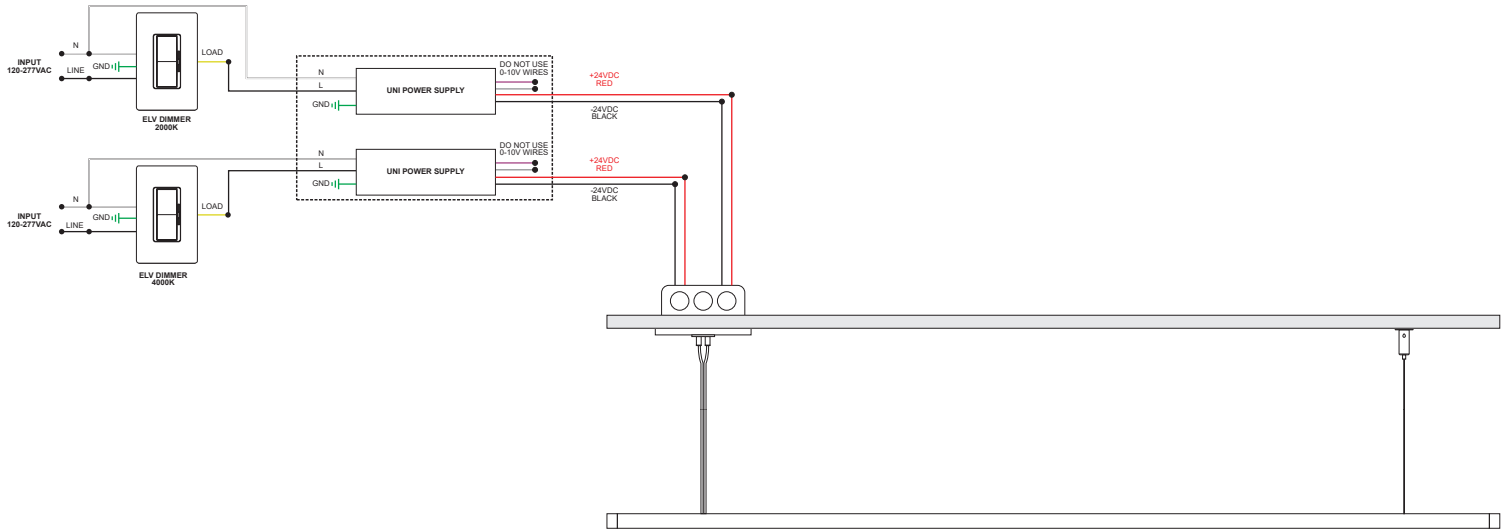
Wiring Diagram: Wiring diagram for Tunable White with Dual ELV Dimmers

Application: ELV dimming for Zip Suspension Downlight, End Feed Canopy, Tunable White 2000K-4000K

Remote Power Class 2, 24VDC output: 120VAC input, PSB-2X100W-ELV-24VDC: Class 2 (24VDC wires, no conduit to Jbox),

Supplies: PSB-2X200W-ELV-24VDC: UL 2108 (24VDC wires require conduit to Jbox)

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



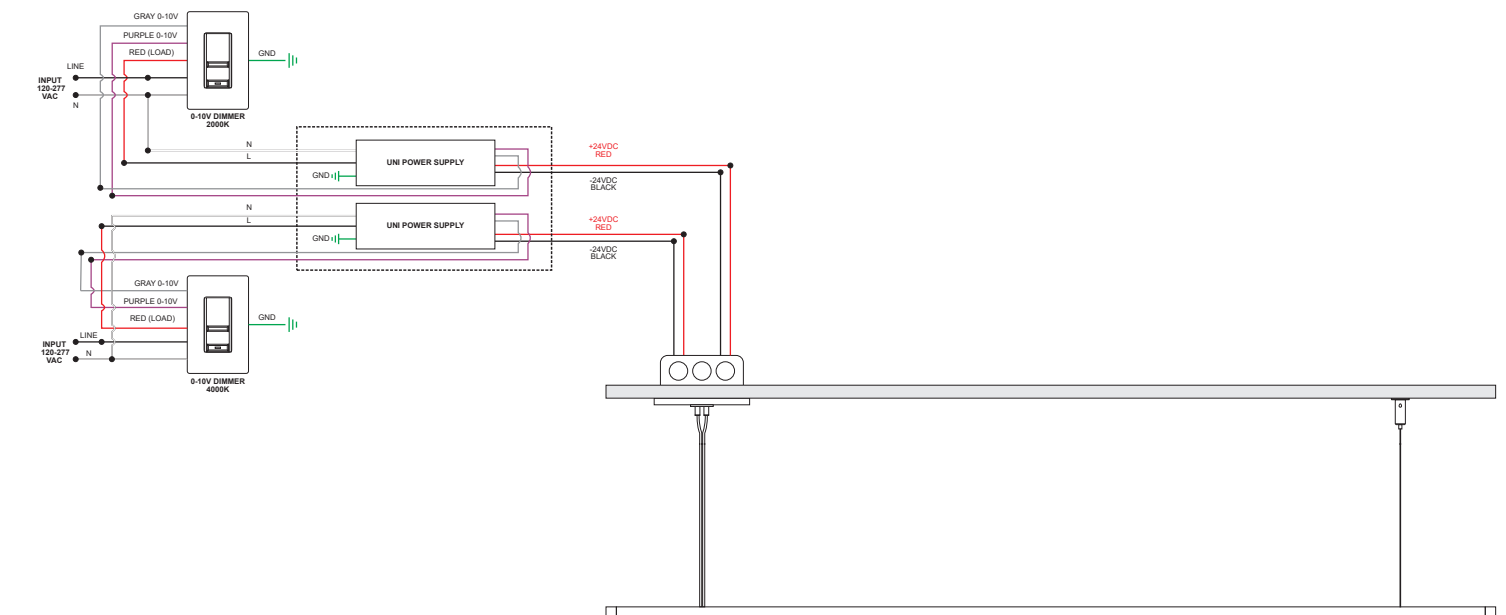
Wiring Diagram: Wiring diagram for Tunable White with Dual 0-10 Volt Dimmers

Application: 0-10V dimming for Zip Suspension Downlight, End Feed Canopy, Tunable White 2000K-4000K

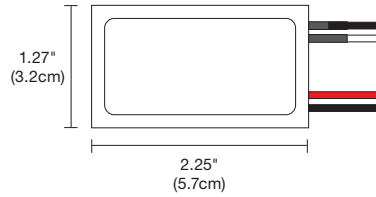
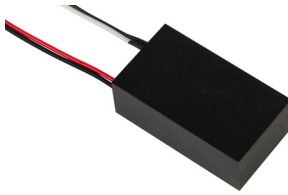
Remote Power Class 2, 24VDC output: 120/277 VAC input, PSB-2X96W-010-24VDC: Class 2 (24VDC wires, no conduit to Jbox),

Supplies: PSB-2X200W-010-24VDC: UL 2108 (24VDC wires require conduit to Jbox)

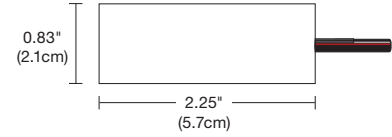
Dimming: Dimmable with 0-10V dimmer: Philips: Sunrise SR1200ZTUNV; Lutron: Diva DVTV-WH, Nova-T NTSTV-DV-XX, Grafix Eye QS QSGRJ-XP, Radio RA2 RRD-1-ND; Leviton: LEV40050, IP710-LFZ; Legrand ADPD4FBL3P2W4



PROJECT		FIXTURE TYPE		DATE	
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Top View



Side View

DESCRIPTION

Compact, lightweight remote electronic 60W/24V LED Power Supply* converts standard 120VAC voltage to 24VDC and features built-in short-circuit protection. The low voltage output may be dimmed using an electronic low voltage dimmer. The Power Supply is certified to be used inside a standard Junction Box enclosure. Power Supply features short circuit and overload protection. Indoor applications only.

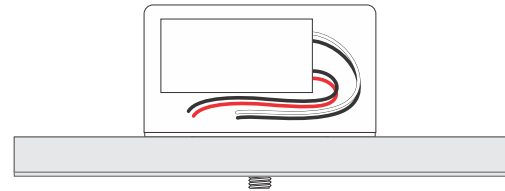
**Electrical Panels using Siemens/Murray AFCI breakers are not compatible with this ELV transformer. Use 0-10 Volt power supplies with this breaker.*

APPLICATIONS

Indoor*

To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing around power supplies when multiple power supplies are installed in the same remote location.

POWER INPUT	120 volts AC, 60Hz
POWER OUTPUT	Class 2; 24 volts DC 2.5A 60 watt maximum
DIMENSIONS	2.25" x 1.25" x 0.83"
DIMMER TYPE	Electronic Low Voltage Dimmer Lutron: Diva #DVELV-300P; Skylark #SELV-300P; Maestro #MAELV-600

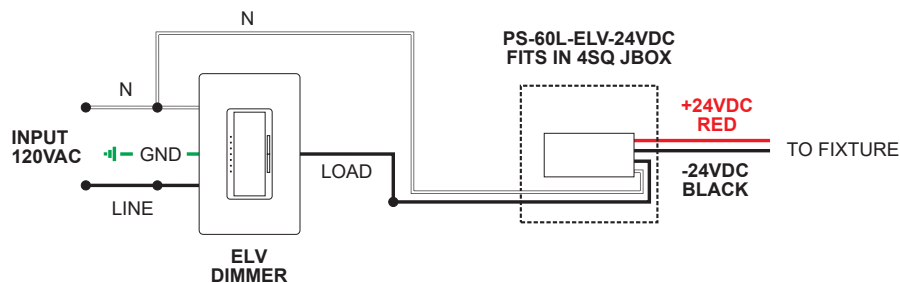


Product	Wattage	Dimming	Voltage
PS	60L	ELV	24VDC
PS Power Supply	60W 60 Watt	ELV Electronic Low Voltage	24VDC 24 Volt DC

SAMPLE WIRING DIAGRAMS 24VDC ELV

Application: ELV dimming for Static White

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



PROJECT		FIXTURE TYPE		DATE	
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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, UNI - UNIVERSAL DIMMING WITH ELV, TRIAC, & 0-10V

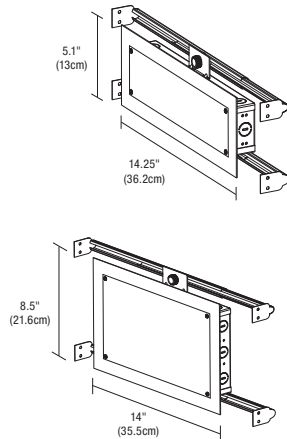
REV 10.09.20

UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS				
ORDERING CODE	PSB-40W-UNI-24VDC	PSB-60W-UNI-24VDC	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC
				
SPECIFICATIONS				
MAXIMUM LOAD	40W	60W	2X40W	2X60W
INPUT VOLTAGE	120-277VAC	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"	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-40W-UNI-24VDC-IW	PSB-60W-UNI-24VDC-IW	PSB-2X40W-UNI-24VDC-IW	PSB-2X60W-UNI-24VDC-IW
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS				
ORDERING CODE	PSB-96W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-3X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
				
SPECIFICATIONS				
MAXIMUM LOAD	96W	2X96W	3X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	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	CLASS 2
IN-WALL MOUNTING	PSB-96W-UNI-24VDC-IW	PSB-2X96W-UNI-24VDC-IW	NA	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: DDTV-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	•	•	•	•
TRIAC DIMMING & CONTROLS				
LUTRON SKYLARK: S2-L-WH	•	•	•	•
LUTRON DIVA DVLV-600P-WH	•	•	•	•
LUTRON DIVA DVLV-603P-WH	•	•	•	•
LUTRON MAESTRO MALV-600-WH	•	•	•	•
LUTRON MAESTRO MALV-1000-WH	•	•	•	•
LUTRON MAESTRO 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.

PROJECT		FIXTURE TYPE		DATE	
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IN WALL MOUNTING OPTIONS



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.

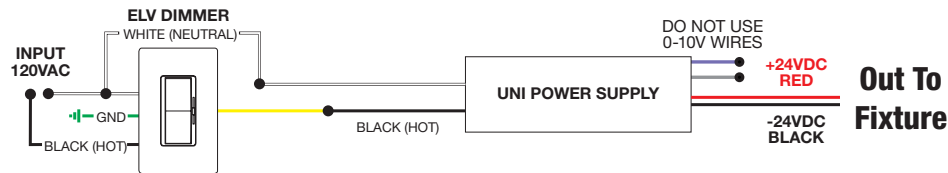
Ordering Codes 5.1 x 14.25 inch: PSB-40W-UNI-24VDC-IW
PSB-60W-UNI-24VDC-IW
PSB-96W-UNI-24VDC-IW

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

WIRING DIAGRAMS UNIVERSAL POWER SUPPLY

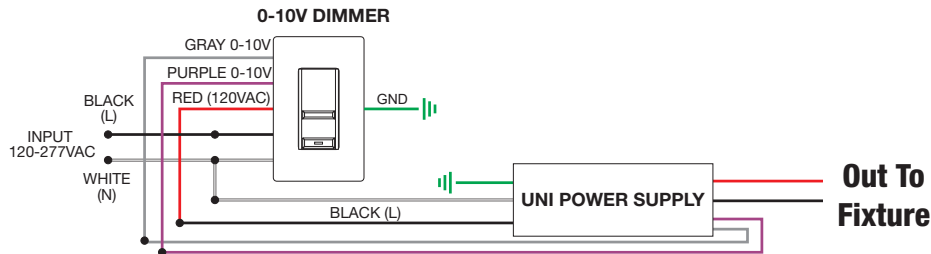
Application: ELV dimming for Static White and Warm Dim

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



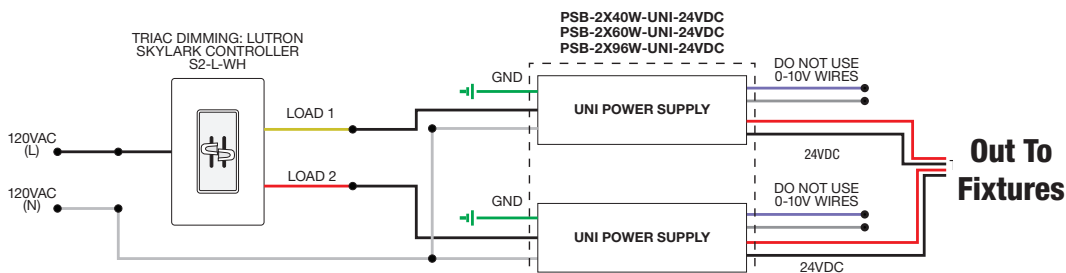
Application: 0-10V dimming for Static White

Dimming: Dimmable with 0-10V dimmer: 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



Application: Triac dimming for two power supplies, use for Static White and Warm Dim

Dimming: Dimmable with Triac dimmer: Lutron: Skylark S2-L



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

REV 10.09.20

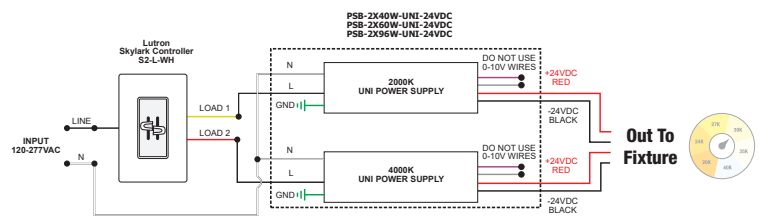
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODE	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
				
SPECIFICATIONS				
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
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: DVTW-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.

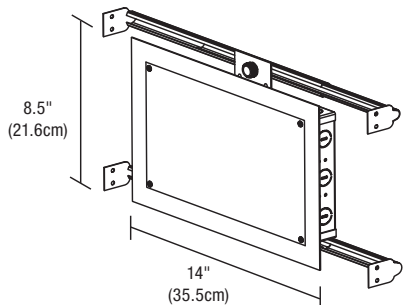
MAXIMUM LENGTH

POWER SUPPLY	5 WATTS	10 WATTS
PSB-2X40W-UNI-24VDC	8 FEET	4 FEET
PSB-2X60W-UNI-24VDC	12 FEET	6 FEET
PSB-2X96W-UNI-24VDC	20 FEET	10 FEET



Configuration 1
S2-L-WH (TRIAC) Single Pole Dimming with Dual Universal Power Supplies

IN WALL MOUNTING OPTIONS



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.

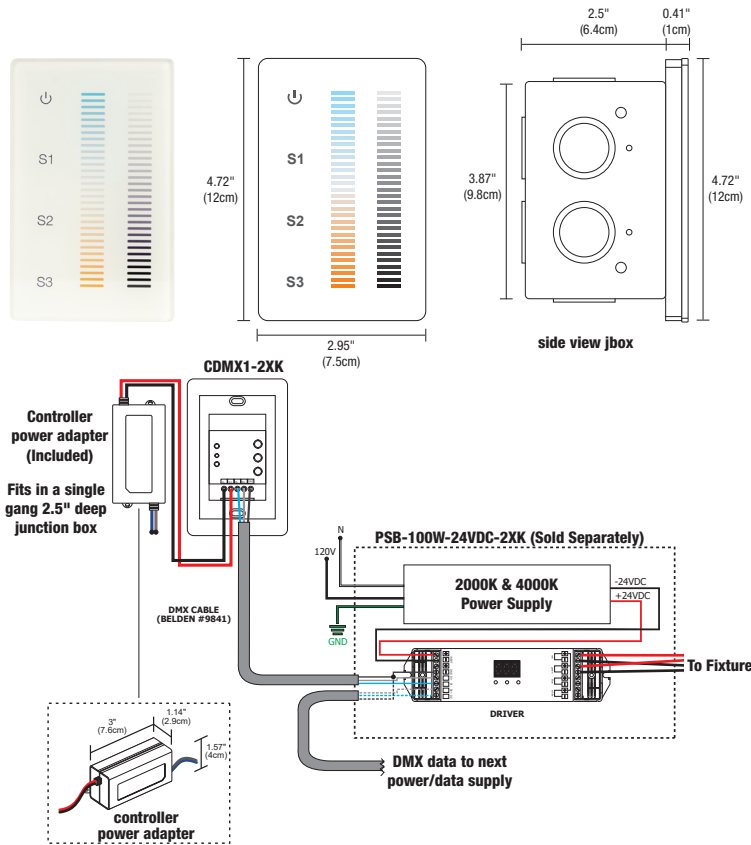
Ordering Codes 8.5 x 14.25 inch: PSB-2X40W-UNI-24VDC-IW, PSB-2X60W-UNI-24VDC-IW, PSB-2X96W-UNI-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	
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DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES

24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS

REV 10.09.20



DESCRIPTION:

The Dynamic/Tunable White (**2K4K**) 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)** 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

OUTPUT SIGNAL:

USITT DMX 512 (1990)

INSTALLATION:

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

LABELS:

ROHS, FCC, Damp Location, ETL/UL

POWER INPUT:

120-240VAC

Product	Type	Finish
CDMX1	2XK	WH
CDMX1 DMX Single Zone Touch Controller	2XK 2 X Kelvin	WH White

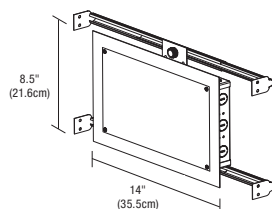
DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS*

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 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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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

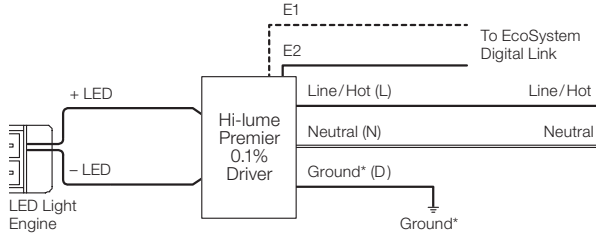
24VDC, LUTRON ECOSYSTEM

REV 10.09.20

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	•	•	•

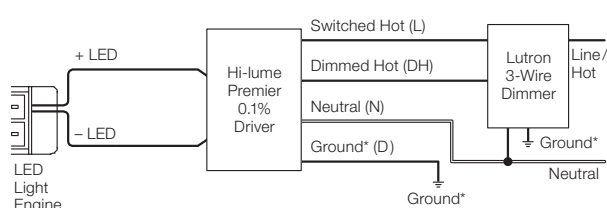
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

2-Wire EcoSystem Wiring Diagram



LTEA4U1UKL-CV240

3-Wire Wiring Diagram



L3DA4U1UKL-CV240

PROJECT		FIXTURE TYPE		DATE	
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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, LUTRON ECOSYSTEM

REV 10.09.20

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	•	•	•

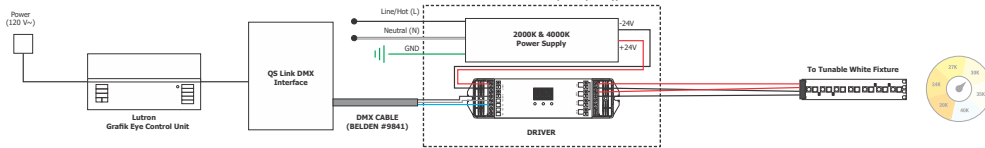
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

*Tunable White (2K4K) 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.

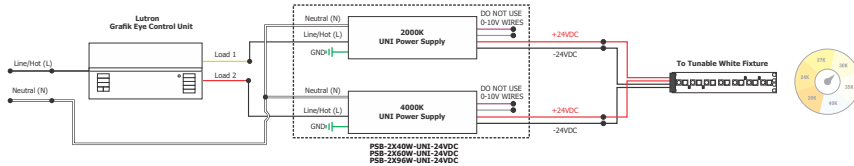
**Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.

Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s). Specify amount of Power Supplies based on this.

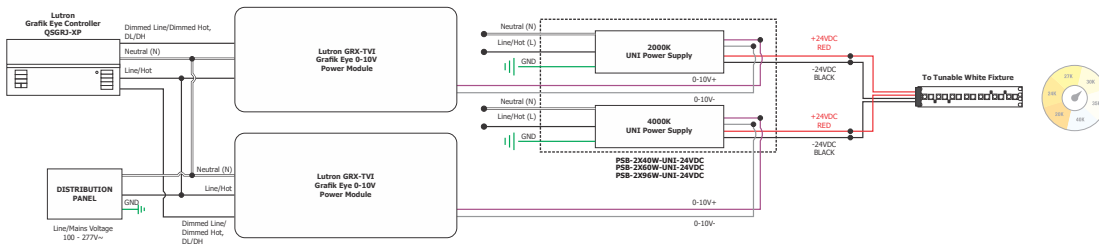
WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit



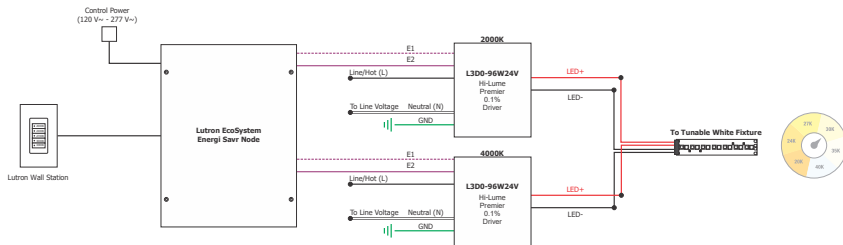
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



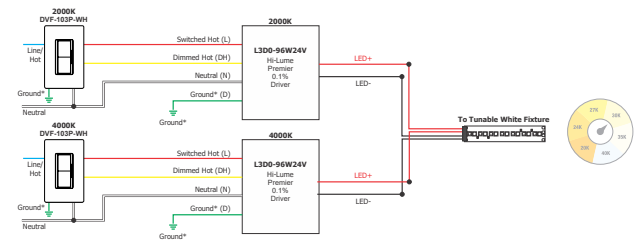
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



WIRING DIAGRAM: 2-Wire EcoSystem Panel



WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



PROJECT	FIXTURE TYPE	DATE
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DMX 1 ZONE RGBW
TOUCH CONTROLLER



Description:

Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 1 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

Applications:

Indoor

Installation:

Fits in a single gang junction box, not to be used with a multi gang box

Power Input:

120-277VAC

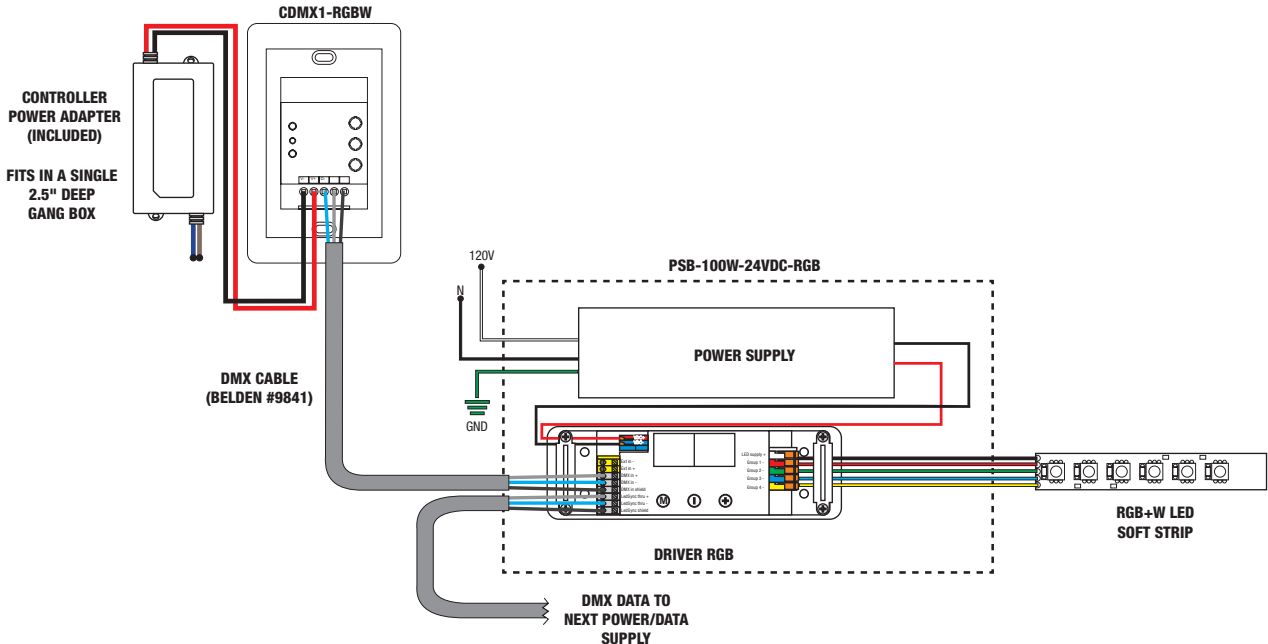
Compatible Power Supplies (Sold Separately):

PSB-100W-24VDC-RGB 100W output, 120-277V Input
PSB-2X100W-24VDC-RGB 2x100W output, 120-277V Input
PSB-3X100W-24VDC-RGB 3x100W output, 120-277V Input
PSB-4X100W-24VDC-RGB 4x100W output, 120-277V Input

Output Signal:

USITT DMX 512 (1990)

Product	Type	Finish
CDMX1	RGBW	WH
CDMX1 DMX 1 Zone Touch Controller	RGBW RGB & RGBW	WH White



PROJECT	FIXTURE TYPE	DATE
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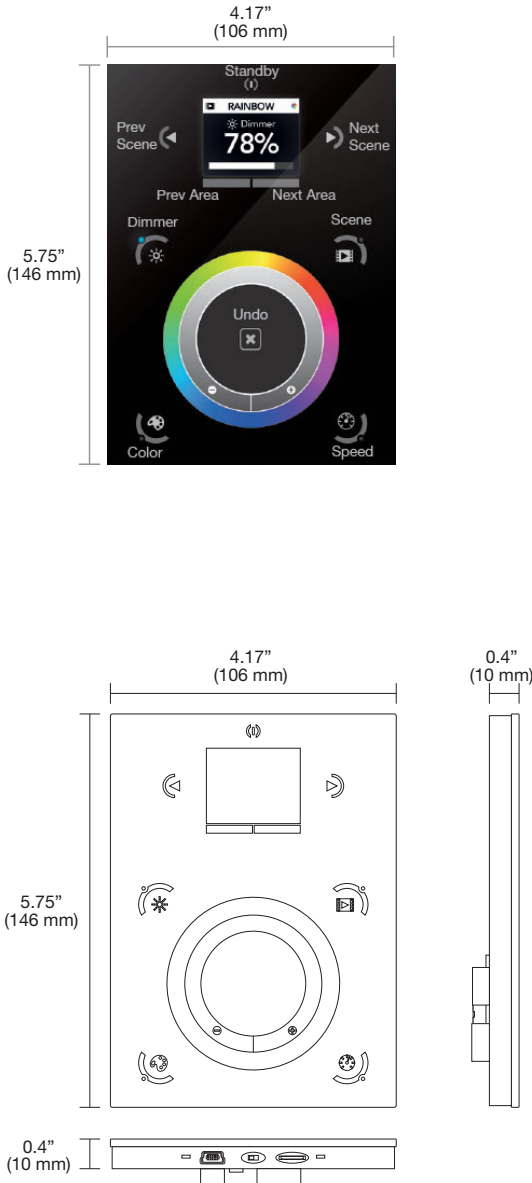


CTP

COLOR TOUCH SCREEN CONTROLLER WITH POWER ADAPTER



REV 10.09.20



DESCRIPTION

Full touch controller offers fast and accurate color tone adjustment and independent brightness control. The 10 zone controller can adjust RGB and RGBW LEDs smoothly and accurately. Independent smooth dimming of each channel enables the controller to achieve millions of colors. For indoor applications only, and includes a Power Adapter to operate the controller.

FEATURES AND BENEFITS

KEY FEATURES:

- Sleek glass design which sits 11mm from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control
- RS232, Dry Contact Ports and an Infra Red input port
- Clock and calendar with Sunrise/Sunset triggering
- Network communication. Control lighting remotely
- Catalog of designs including black and white glass
- OEM customization of the color palette and logo
- Windows/Mac software to set dynamic colors/effects
- iPhone/iPad/Android remote and programming apps

APPLICATIONS

Indoor

POWER ADAPTER

9VDC 0.65A (included)

POWER INPUT

7VDC 0.6A

OUTPUT SIGNAL

DMX512 1,024 channels total

INPUT SIGNAL

Universal IR receiver (Sold Separately), RS232, Contact Closure, Live Computer Link, DMX512, WiFi

CONNECTIONS

USB, Ethernet, RS232, Clock, 8 dry contact ports, open drain output

MEMORY

microSD (32GB Max)

COMPUTER AND MOBILE DEVICE REQUIREMENTS

IPHONE/IPAD/ANDROID:

The controller may be used with any of the following apps: DMX Lightpad 3, Easy Remote and Arcolis may be downloaded from App Store or Google Play.

ESA PRO SOFTWARE (WINDOWS ONLY, TIMELINE AND MULTI-ZONE):

Windows ME, XP, Vista, 7 or 8 (32 bits and US 2.0, computer connection required for initial setup only.)

ESA2 SOFTWARE (WINDOWS/MAC, SINGLE ZONE):

Windows ME, XP, Vista, 7 or 8

Mac OS X 10.7 (Lion), 10.8 (Mountain lion), 10.9 (Mavericks), 10.10 (Yosemite)

Product

CTP

CTP Color Touch Screen Controller with Power Adapter

PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

Length Chart: Actual lengths for Zip Suspension Downlight with Remote Power - End Feed

22K, 24K, 27K, 30K, 35K, 40K, 57K, 2K4K & RGB								
ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)
12	13.1	13.1	171	171.9	172.3	329	330.7	331.1
15	15.5	15.5	173	174.3	174.7	332	333.1	333.5
17	17.9	17.9	176	176.7	177.1	334	335.5	335.9
20	20.3	20.3	178	179.1	179.5	336	337.9	338.3
22	22.7	22.7	180	181.5	181.9	339	340.3	341.1
24	25.1	25.1	183	183.9	184.3	341	342.7	343.5
27	27.5	27.5	185	186.3	186.7	344	345.0	345.9
29	29.9	29.9	188	188.7	189.1	346	347.4	348.3
32	32.3	32.3	190	191.1	191.5	348	349.8	350.7
34	34.7	34.7	192	193.5	193.9	351	352.2	353.0
36	37.1	37.1	195	195.9	196.3	353	354.6	355.4
39	39.5	39.5	197	198.3	198.7	356	357.0	357.8
41	41.9	41.9	200	200.7	201.1	358	359.4	360.2
44	44.3	44.3	202	203.1	203.5	360	361.8	362.6
46	46.7	46.7	204	205.5	205.9	363	364.6	365.0
48	49.1	49.1	207	207.9	208.3	365	367.0	367.4
51	51.5	51.5	209	210.3	210.7	368	369.4	369.8
53	53.9	53.9	212	212.7	213.1	370	371.8	372.2
56	56.3	56.3	214	215.1	215.5	372	374.2	374.6
58	58.7	58.7	216	217.5	217.9	375	376.6	377.0
60	61.1	61.1	219	219.9	220.3	377	379.0	379.4
63	63.5	63.5	221	222.3	222.7	380	381.4	381.8
65	65.9	65.9	224	224.7	225.1	382	383.8	384.2
68	68.3	68.3	226	227.1	227.5	384	386.2	386.6
70	70.7	70.7	228	229.5	229.9	387	388.6	389.0
72	73.1	73.1	231	231.9	232.3	389	391.0	391.4
75	75.5	75.5	233	234.3	234.7	392	393.4	393.8
77	77.9	77.9	236	236.7	237.1	394	395.8	396.2
80	80.3	80.3	238	239.1	239.5	396	398.2	398.6
82	82.7	82.7	240 - 2K4K & RGB max.	241.5	241.9	399	400.6	401.0
84	85.1	85.1	243	244.3	244.3	401	403.0	403.4
87	87.5	87.9	245	246.7	246.7	404	405.4	405.8
89	89.9	90.3	248	249.1	249.1	406	407.8	408.2
92	92.3	92.7	250	251.5	251.5	408	410.2	410.6
94	94.7	95.1	252	253.9	253.9	411	412.6	413.0
96	97.1	97.5	255	256.3	256.7	413	415.0	415.4
99	99.5	99.9	257	258.7	259.1	416	417.4	417.8
101	101.9	102.3	260	261.1	261.5	418	419.8	420.2
104	104.3	104.7	262	263.5	263.9	420	422.2	422.6
106	106.7	107.1	264	265.9	266.3	423	424.6	425.4
108	109.1	109.5	267	268.3	268.7	425	427.0	427.8
111	111.5	111.9	269	270.7	271.1	428	429.4	430.2
113	113.9	114.3	272	273.1	273.5	430	431.8	432.6
116	116.3	116.7	274	275.5	275.9	432	434.2	435.0
118	118.7	119.1	276	277.9	278.3	435	436.6	437.4
120	121.1	121.5	279	280.3	280.7	437	439.0	439.8
123	123.9	123.9	281	282.7	283.1	440	441.4	442.2
125	126.3	126.3	284	285.1	285.5	442	443.8	444.6
128	128.7	128.7	286	287.5	287.9	444	446.2	447.0
130	131.1	131.1	288	289.9	290.3	447	448.6	449.4
132	133.5	133.5	291	292.3	292.7	449	451.0	451.8
135	135.9	135.9	293	294.7	295.1	452	453.4	454.2
137	138.3	138.3	296	297.1	297.5	454	455.8	456.6
140	140.7	140.7	298	299.5	299.9	456	458.2	459.0
142	143.1	143.1	300	301.9	302.3	459	460.6	461.4
144	145.5	145.5	303	304.3	304.7	461	463.0	463.8
147	147.9	147.9	305	306.7	307.1	464	465.4	466.2
149	150.3	150.3	308	309.1	309.5	466	467.8	468.6
152	152.7	152.7	310	311.5	311.9	468	470.2	471.0
154	155.1	155.1	312	313.9	314.3	471	472.6	473.4
156	157.5	157.5	315	316.3	316.7	473	475.0	475.8
159	159.9	159.9	317	318.7	319.1	476	477.4	478.2
161	162.3	162.3	320	321.1	321.5	478	479.8	480.6
164	164.7	164.7	322	323.5	323.9	480	482.2	483.0
166	167.1	167.1	324	325.9	326.3			
168	169.5	169.5	327	328.3	328.7			

PROJECT		FIXTURE TYPE		DATE	
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ZIP SUSPENSION

DOWNLIGHT WITH REMOTE POWER, END FEED

REV 10.09.20

Length Chart: Actual lengths for Zip Suspension Downlight with Remote Power - End Feed

27D, 30D, (5W)								
ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)
12	13.1	13.1	171	172.5	172.9	330	331.5	332.3
15	16.1	16.1	174	175.5	175.9	333	334.5	335.3
18	19.1	19.1	177	178.5	178.9	336	337.5	338.3
21	22.1	22.1	180	181.5	181.9	339	340.5	341.7
24	25.1	25.1	183	184.5	184.9	342	343.5	344.7
27	28.1	28.1	186	187.5	187.9	345	346.5	347.7
30	31.1	31.1	189	190.5	190.9	348	349.5	350.7
33	34.1	34.1	192	193.5	193.9	351	352.5	353.7
36	37.1	37.1	195	196.5	196.9	354	355.5	356.7
39	40.1	40.1	198	199.5	199.9	357	358.5	359.7
42	43.1	43.1	201	202.5	202.9	360	361.5	362.7
45	46.1	46.1	204	205.5	205.9	363	364.9	365.7
48	49.1	49.1	207	208.5	208.9	366	367.9	368.7
51	52.1	52.1	210	211.5	211.9	369	370.9	371.7
54	55.1	55.1	213	214.5	214.9	372	373.9	374.7
57	58.1	58.1	216	217.5	217.9	375	376.9	377.7
60	61.1	61.1	219	220.5	220.9	378	379.9	380.7
63	64.1	64.1	222	223.5	223.9	381	382.9	383.7
66	67.1	67.1	225	226.5	226.9	384	385.9	386.7
69	70.1	70.1	228	229.5	229.9	387	388.9	389.7
72	73.1	73.1	231	232.5	232.9	390	391.9	392.7
75	76.1	76.1	234	235.5	235.9	393	394.9	395.7
78	79.1	79.1	237	238.5	238.9	396	397.9	398.7
81	82.1	82.1	240	241.5	241.9	399	400.9	401.7
84	85.1	85.1	243	244.5	244.9	402	403.9	404.7
87	88.1	88.5	246	247.5	247.9	405	406.9	407.7
90	91.1	91.5	249	250.5	250.9	408	409.9	410.7
93	94.1	94.5	252	253.5	253.9	411	412.9	413.7
96	97.1	97.5	255	256.5	257.3	414	415.9	416.7
99	100.1	100.5	258	259.5	260.3	417	418.9	419.7
102	103.1	103.5	261	262.5	263.3	420	421.9	422.7
105	106.1	106.5	264	265.5	266.3			
108	109.1	109.5	267	268.5	269.3			
111	112.1	112.5	270	271.5	272.3			
114	115.1	115.5	273	274.5	275.3			
117	118.1	118.5	276	277.5	278.3			
120	121.1	121.5	279	280.5	281.3			
123	124.5	124.5	282	283.5	284.3			
126	127.5	127.5	285	286.5	287.3			
129	130.5	130.5	288	289.5	290.3			
132	133.5	133.5	291	292.5	293.3			
135	136.5	136.5	294	295.5	296.3			
138	139.5	139.5	297	298.5	299.3			
141	142.5	142.5	300	301.5	302.3			
144	145.5	145.5	303	304.5	305.3			
147	148.5	148.5	306	307.5	308.3			
150	151.5	151.5	309	310.5	311.3			
153	154.5	154.5	312	313.5	314.3			
156	157.5	157.5	315	316.5	317.3			
159	160.5	160.5	318	319.5	320.3			
162	163.5	163.5	321	322.5	323.3			
165	166.5	166.5	324	325.5	326.3			
168	169.5	169.5	327	328.5	329.3			

PROJECT		FIXTURE TYPE		DATE	
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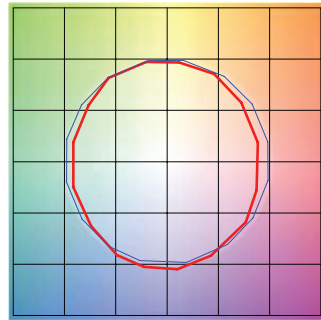
SUSPENSION TM30 DATA

DOWNLIGHT WITH REMOTE POWER, END FEED

TM-30-15 DATA: The data below is for SS2C, 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

2200K | Rf: 83.9 | Rg: 94.9

Color Vector Graphic

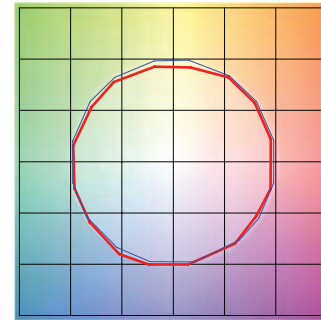


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	78.8	-9.5%	1.3%
2	80.7	-7.8%	6.7%
3	78.2	-3.3%	9.4%
4	89.7	-2.8%	3.6%
5	93.2	-0.8%	2.6%
6	93.0	-0.6%	-0.7%
7	87.7	-5.9%	-3.5%
8	89.2	-6.8%	1.9%
9	83.4	-5.6%	6.0%
10	79.3	-3.7%	10.8%
11	81.4	2.9%	11.1%
12	84.9	5.3%	4.9%
13	88.1	4.9%	-10.1%
14	68.1	0.1%	-19.5%
15	86.0	-3.3%	-7.3%
16	76.4	-8.9%	-11.7%

2400K | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

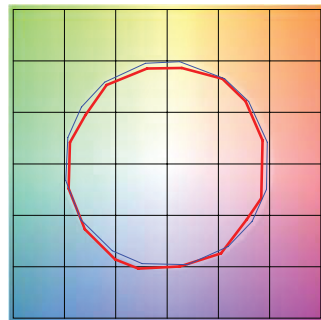


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.0	-2.4%	1.5%
2	94.7	-2.1%	0.0%
3	95.4	-1.9%	-0.1%
4	88.7	-6.7%	-3.1%
5	92.8	-5.6%	1.0%
6	92.7	-3.4%	3.4%
7	89.9	-4.3%	4.1%
8	92.4	-1.4%	4.4%
9	89.0	-0.6%	5.8%
10	88.9	0.4%	6.2%
11	89.7	4.0%	5.4%
12	92.6	3.0%	-0.7%
13	90.9	1.1%	-7.0%
14	89.9	0.5%	-5.8%
15	92.1	-3.2%	0.1%
16	88.9	-1.7%	-6.3%

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

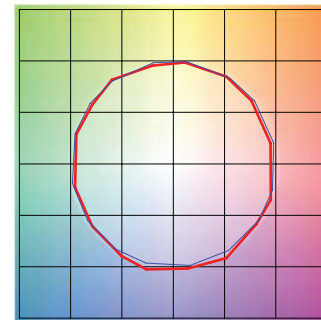


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	88.0	-4.3%	2.6%
2	91.6	-2.4%	2.0%
3	93.7	-1.4%	1.9%
4	88.9	-5.6%	-3.1%
5	92.3	-5.5%	-0.5%
6	92.9	-3.5%	0.1%
7	84.5	-7.5%	4.6%
8	90.8	-3.0%	4.4%
9	84.5	-1.3%	8.3%
10	83.9	2.0%	9.8%
11	87.2	5.3%	7.1%
12	89.2	5.4%	-2.6%
13	88.7	0.3%	-7.8%
14	86.8	1.7%	-9.3%
15	87.6	-5.4%	-1.3%
16	83.6	-3.3%	-9.5%

3000K | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

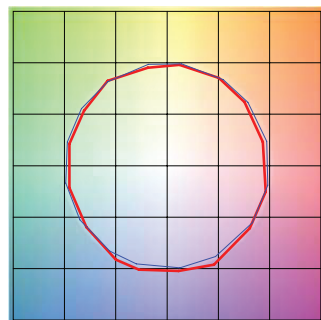


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	92.5	-3.1%	0.3%
2	93.3	-2.3%	1.9%
3	90.9	-0.8%	3.9%
4	94.3	-1.1%	1.4%
5	92.5	-2.6%	1.5%
6	96.4	1.2%	-0.3%
7	92.6	-2.5%	-0.0%
8	96.9	-1.4%	0.2%
9	92.3	-1.8%	4.3%
10	86.6	-0.7%	7.0%
11	86.5	2.4%	8.2%
12	89.8	5.9%	1.7%
13	93.9	2.6%	-2.7%
14	89.4	5.1%	-5.8%
15	90.1	-0.1%	-4.7%
16	86.5	0.3%	-9.7%

3500K | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

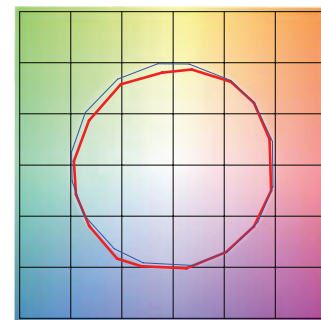


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	90.8	-3.8%	0.3%
2	92.3	-2.8%	2.1%
3	89.7	-1.0%	4.3%
4	92.6	-1.4%	1.7%
5	91.8	-3.1%	1.3%
6	96.2	0.8%	-0.4%
7	92.9	-3.2%	0.2%
8	94.3	-2.5%	1.5%
9	90.4	-2.5%	5.2%
10	84.3	-1.4%	9.5%
11	83.1	3.5%	9.8%
12	88.2	4.8%	3.4%
13	94.0	2.7%	-2.0%
14	88.7	5.9%	-5.8%
15	88.7	0.7%	-5.9%
16	86.8	-0.7%	-6.7%

4000K | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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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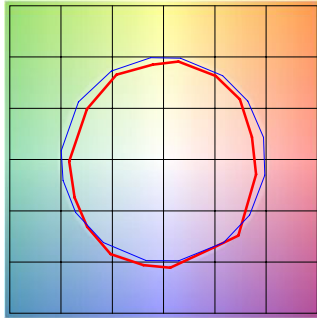
SUSPENSION TM30 DATA

DOWNLIGHT WITH REMOTE POWER, END FEED

TM-30-15 DATA: The data below is for SS2C, 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

5700K | Rf: 80.3 | Rg: 91.5

Color Vector Graphic

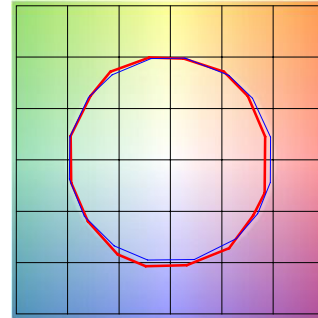


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	73.8	-11.2%	2.6%
2	83.7	-5.5%	5.8%
3	84.2	-4.0%	5.5%
4	85.8	-3.5%	1.3%
5	85.3	-7.1%	0.6%
6	89.2	-5.8%	-2.2%
7	81.5	-10.7%	1.2%
8	75.7	-9.7%	8.5%
9	74.9	-7.8%	18.8%
10	67.8	-1.6%	18.0%
11	76.1	5.5%	12.0%
12	90.8	4.9%	-1.6%
13	83.6	5.0%	-9.5%
14	81.7	-1.2%	-10.0%
15	69.0	2.0%	-22.8%
16	83.2	-8.5%	-1.0%

2700D | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

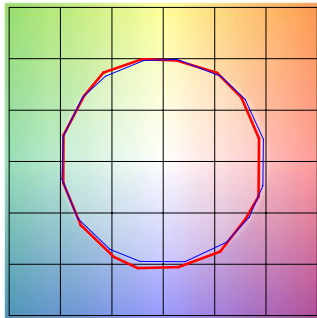


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	88.8	-5.1%	1.4%
2	89.8	-2.7%	4.1%
3	87.2	0.3%	5.9%
4	92.3	-0.9%	1.0%
5	93.3	1.5%	1.7%
6	92.4	3.6%	-0.2%
7	92.2	-0.9%	-2.4%
8	96.7	-0.4%	-1.1%
9	92.3	-1.2%	3.7%
10	88.9	-0.0%	6.1%
11	86.4	5.1%	7.4%
12	88.2	6.3%	-0.9%
13	87.2	3.8%	-8.1%
14	84.2	3.8%	-11.0%
15	89.8	-2.6%	-4.3%
16	82.7	-3.4%	-11.1%

3000D | Rf: 89.8 | Rg: 101.4

Color Vector Graphic

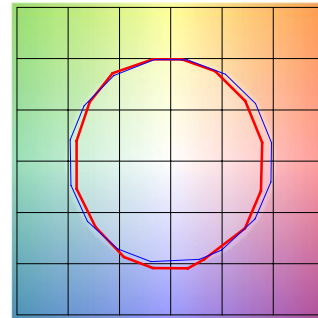


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	90.2	-4.2%	1.5%
2	90.9	-2.0%	3.7%
3	87.9	0.8%	5.5%
4	92.1	-0.9%	0.6%
5	93.0	1.5%	1.6%
6	92.2	3.9%	-0.2%
7	92.1	-0.3%	-2.0%
8	96.7	0.0%	-1.2%
9	92.5	-0.6%	3.7%
10	88.3	1.1%	7.0%
11	87.2	4.1%	7.4%
12	87.2	6.7%	-1.0%
13	88.2	3.8%	-7.2%
14	85.3	4.3%	-9.9%
15	90.9	-2.2%	-3.6%
16	83.4	-2.2%	-11.2%

2000K ONLY (2K4K) | Rf: 84.3 | Rg: 96.9

Color Vector Graphic

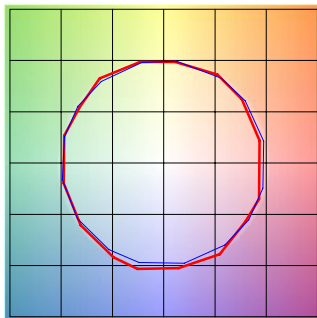


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

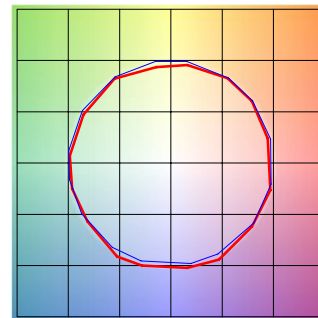


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	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

GRAPHIC SHIFTS %			
HUE BIN	Rf	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	
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