



ZIP SUSPENSION

MODULAR SYSTEM DYNAMIC TUNABLE WHITE



DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 10.08.20



DIFFUSED WHITE LENS



MODULAR END CAP

DESCRIPTION

Geometry comes alive with the Zip Modular Suspension System. Modular connectors allow you to combine multiple channels. These versatile suspensions can even be integrated into our Truline plaster-in systems. Run across ceilings, and cantilever walls, creating geometric compositions of any size creating new planes within a space, you become the Lighting Designer. Using the latest in LED Technology Dynamic/Tunable White, you have full control over the color temperature from 2000K (Sunset) to 4000K (Cool White) independent of the level of brightness. Use with two dimmers or, our proprietary Tunable White Controller for fast and accurate adjustment with three pre-set scenes. The Zip Modular System is offered with a 100° Diffused White Lens or a Clear Frosted Lens with a 60° beam spread, add optional Black Louver for additional diffusion. Highly customizable with lengths from 12"-120", and several metal finishes. Support health, performance, and overall well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle. Fixture includes a 5-year pro-rated warranty. For Custom Quotes, Design and Layout assistance email our design team design@PureEdgeLighting.com.

FEATURES & BENEFITS

- **Low Profile:** 0.7" Square Channel
- **Power Supply:** Up to 100 Watts (End Feed); or up to 200 Watts (Center Feed)
- **Length Options:** 12"-120" (10') before adding a Connector
- **Available Wattage:** 5 Watts
- **High Lumen Output:** Up to 287 lm/ft @ 40K
- **Tunable White:** 2000K-4000K (**2K4K**) allows you to choose any color temperature from 2000K (sunset) to 4000K (cool white) and Dim to any level of Brightness
- **High CRI:** Up to 95+
- **Easy Installation:** Fully Assembled Fixture with Push-In Connectors

FINISHES



Satin Black **BK** Chrome **CH** Satin Nickel **SN** White **WH**

*Custom finishes available

INCLUDED COMPONENTS:

- Designer Grade High 95+ CRI LED strip, pre-installed to fit channel length
- Lens - Diffused White 100° Beam Spread, or a Clear Frosted 60° Beam Spread with a Black Louver
- 12' Suspension Cables (every 60")

COMPONENTS SOLD SEPARATELY:

- Surface or Remote Power Supply
- Power Canopies
- End Caps and Connectors

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

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

*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 (pg 13)

APPLICATIONS

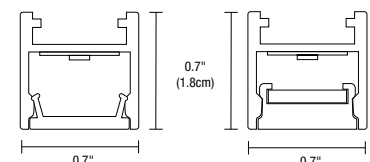
Designed for indoor use only. Ideal applications in Commercial, Retail, Hospitality, Education, and Healthcare Institutions.

APPROVALS

Damp Location, ETL Listed, Class 2 wiring, Title 24 with Universal Power Supply, Made in America



CLEAR FROSTED LENS WITH BLACK LOUVER



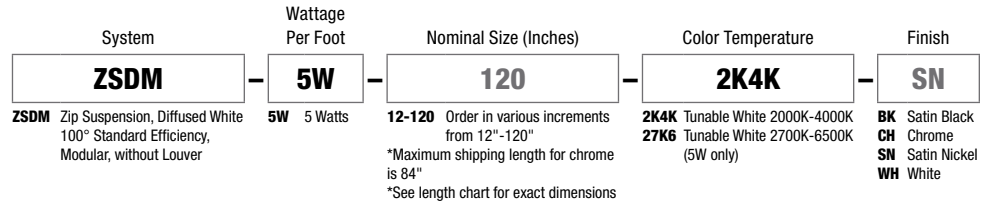
WITHOUT LOUVER

WITH LOUVER

PROJECT	FIXTURE TYPE	DATE
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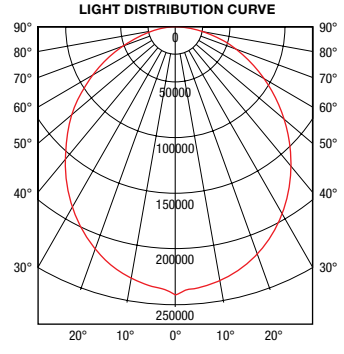
DIFFUSED WHITE LENS

Zip Suspension Modular Channel is the primary component of the Zip Modular system. The 24VDC Channel may be ordered from 12-120" and includes a Diffused White Lens. The Diffused White Lens offers the most Lumens and disperses the light evenly without dots. The LED's come in 5 Watts, and Dynamic Tunable White (**2K4K**). The Zip Modular Suspension can be combined with various ZSM components such as L and Straight Connectors, and 2" or 4" Round or Square and Vanishing Point, where all you see is the drywall. Power Canopies for building personalized configurations. 12" suspension Cables (every 5') are included with the Channel. A 100 watt (UL1598 100 watt) Remote Power Supply may be located up to 40' away. The Channel runs as long as 20' with 5 watts per foot before re-feeding. The fixture and connectors all come in Satin Nickel, Black, White, or Chrome finishes. For Custom Finishes, Quotes and Layout Assistance email our design team design@PureEdgeLighting.com.



ZSDM							
100° DIFFUSED WHITE LENS WITHOUT LOUVER							
5W (5 watts)							
DESCRIPTION							
WATTS PER FOOT							
COLOR TEMPERATURE	20K	24K	27K	30K	35K	40K	
LUMENS PER FOOT (lm/ft)	173	192	211	231	264	287	
LUMENS PER WATT (lm/w)	78	87	48	52	60	65	
CRI	85+	90+	95+	95+	85+	84	

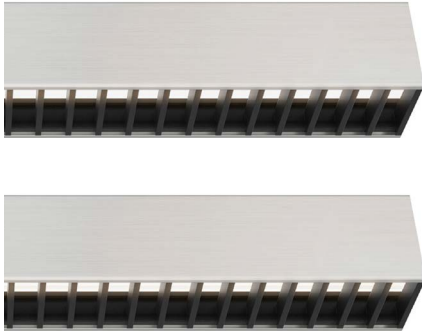
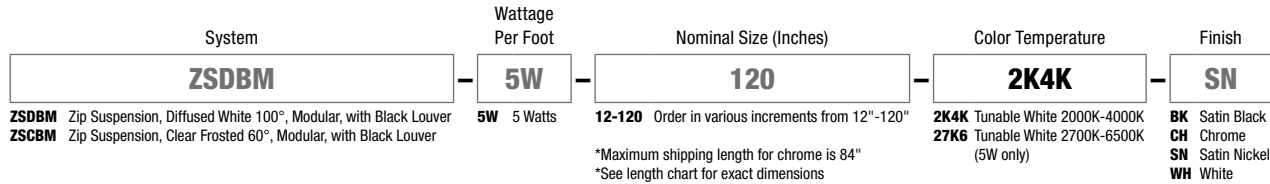
5W, DIFFUSED WHITE LENS			
Distance	Foot Candles	Beam Width Vertical Spread 101.1°	Beam Width Horizontal Spread 101.1°
1.7'	120	4.1'	3.9'
3.3'	39	8.0'	7.5'
5.0'	16	12'	11.4'
6.7'	10	16.3'	15.3'
8.3'	6	20.2'	18.9'
10'	4	24.3'	22.8'



PROJECT		FIXTURE TYPE		DATE	
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DIFFUSED WHITE LENS & CLEAR FROSTED LENS WITH BLACK LOUVER

Zip Suspension Modular Channel is the primary component of the Zip Modular system. The 24VDC Channel may be ordered from 12"-120" and includes a Diffused White Lens or Clear Frosted Lens. The Black Louver reduces the most glare while dispersing the light evenly without dots. The LED's come in 5 Watts and Dynamic Tunable White (**2K4K**). The Zip Channel can be combined with various ZSM components such as L and Flexible Connectors, and 2" or 4" Round or Square and Vanishing Point, where all you see is the drywall. Power Canopies for building personalized modular configurations. Suspension Cables (every 5') are included with the Channel. A 100 watt (UL1598 100 watt) Remote Power Supply may be located up to 40' away. The Channel runs as long as 20' with 5 watts per foot before re-feeding. The fixture and connectors all come in Satin Nickel, Black, White, or Chrome finishes. For Custom Finishes, Quotes and Layout Assistance email our design team design@PureEdgeLighting.com.



ZSDBM						
100° DIFFUSED WHITE LENS WITH BLACK LOUVER						
DESCRIPTION						
WATTS PER FOOT	5W (5 watts)					
COLOR TEMPERATURE	20K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	67	74.5	82	90	103	111
LUMENS PER WATT (lm/w)	15	17	19	20	23	25
CRI	85+	90+	95+	95+	85+	84

ZSCBM						
60° CLEAR FROSTED LENS WITH BLACK LOUVER						
DESCRIPTION						
WATTS PER FOOT	5W (5 watts)					
COLOR TEMPERATURE	20K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	76	84.5	93	101	116	126
LUMENS PER WATT (lm/w)	17	19	21	23	26	29
CRI	85+	90+	95+	95+	85+	84

LENGTH CHART Actual Lengths for Zip Suspension Downlight Modular

WITH TWO DIMMERS, YOU NEED TWO UNI DRIVER POWER SUPPLIES: ONE FOR 2000K AND ONE FOR 4000K, PG 7				DMX POWER AND CDMX CONTROLLER YOU NEED ONE POWER SUPPLY ONLY PG 9				WITH TWO DIMMERS, YOU NEED TWO UNI DRIVER POWER SUPPLIES: ONE FOR 2000K AND ONE FOR 4000K, PG 7				DMX POWER AND CDMX CONTROLLER YOU NEED ONE POWER SUPPLY ONLY PG 9			
Nominal Length (Inches)	Actual Length (Inches)	Minimum Power Supply (5W)	2K4K DMX Minimum Power Supply (5W)	Nominal Length (Inches)	Actual Length (Inches)	Minimum Power Supply (5W)	2K4K DMX Minimum Power Supply (5W)	Nominal Length (Inches)	Actual Length (Inches)	Minimum Power Supply (5W)	2K4K DMX Minimum Power Supply (5W)	Nominal Length (Inches)	Actual Length (Inches)	Minimum Power Supply (5W)	2K4K DMX Minimum Power Supply (5W)
12	13	5	5	68	68.2	28	28	101	101.8	42	42	118	118.6	49	49
15	15.4	6	6	70	70.6	29	29	104	104.2	43	43	116	116.2	48	48
17	17.8	7	7	72	73.0	30	30	106	106.6	44	44	111	111.4	46	46
20	20.2	8	8	75	75.4	31	31	108	109.0	45	45	113	113.8	47	47
22	22.6	9	9	77	77.8	32	32	110	110.6	46	46	114	114.4	47	47
24	25	10	10	80	80.2	33	33	112	112.4	47	47	116	116.2	48	48
27	27.4	11	11	82	82.6	34	34	114	114.4	48	48	118	118.6	49	49
29	29.8	12	12	84*	85.0	35	35	116	116.2	48	48	120**	121.0	50	50
32	32.2	13	13	87	87.4	36	36								
34	34.6	14	14	89	89.8	37	37								
36	37.0	15	15	92	92.2	38	38								
39	39.4	16	16	94	94.6	39	39								
41	41.8	17	17	96	97.0	40	40								
44	44.2	18	18	99	99.4	41	41								
46	46.6	19	19	101	101.8	42	42								
48	49.0	20	20	104	104.2	43	43								
51	51.4	21	21	106	106.6	44	44								
53	53.8	22	22	108	109.0	45	45								
56	56.2	23	23	111	111.4	46	46								
58	58.6	24	24	113	113.8	47	47								
60	61.0	25	25	116	116.2	48	48								
63	63.4	26	26	118	118.6	49	49								
65	65.8	27	27	120**	121.0	50	50								

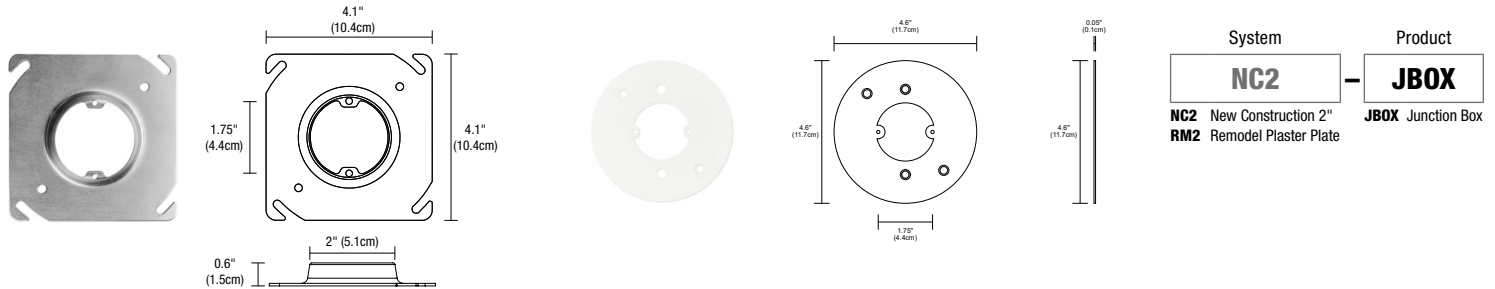
*84" max length Chrome **Max shipping length

PROJECT		FIXTURE TYPE		DATE	
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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

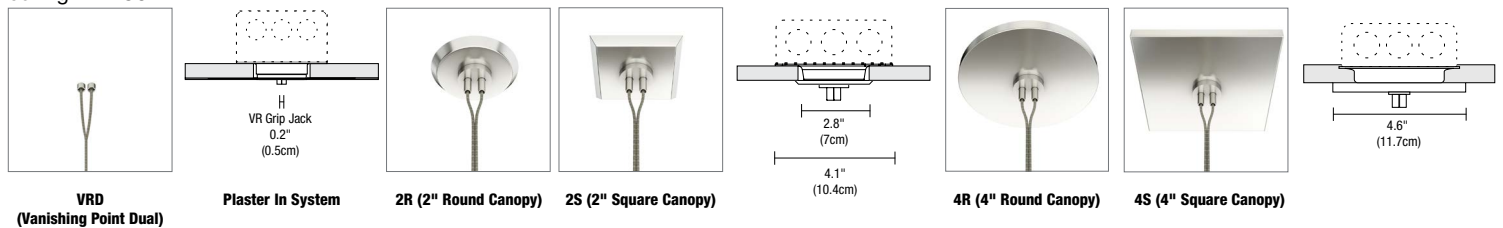
NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX

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.



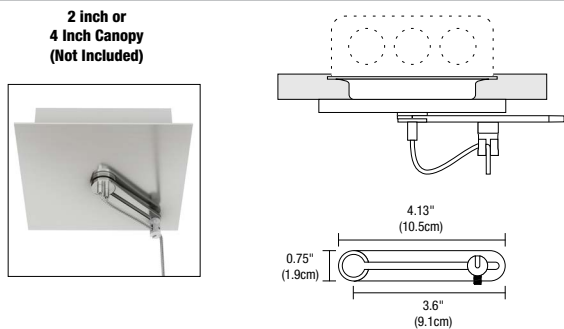
ZIP REMOTE POWER CANOPIES (INCLUDED)

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

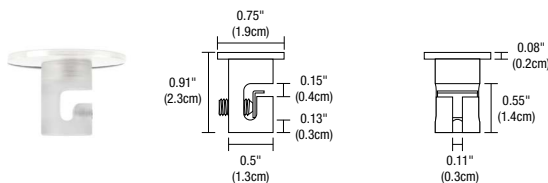
Channel Suspension Adjustable Swag Bar and Hook allows a cable to form a straight connection to the channel when the Power Canopy is not located directly above the fixture. Use when you have two or more canopies (power supplies) on the same fixture run. The Adjustable Swag Hook is compatible with the 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

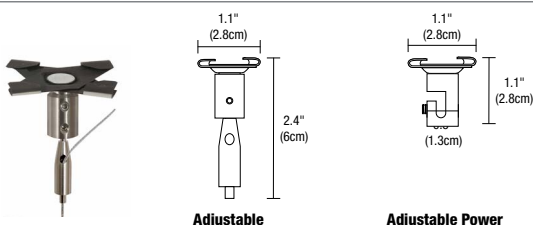
The clear plastic Swag Hook extends a cable from an electrical box that is not located directly above desired fixture location.



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

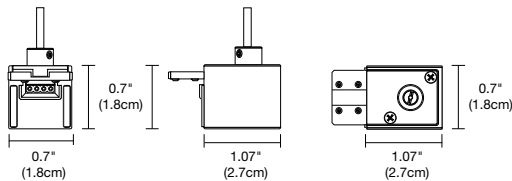
PROJECT	FIXTURE TYPE	DATE



COMPONENTS Power End Cap & End Cap

END CAP POWER CABLE WITH OR WITHOUT CANOPY

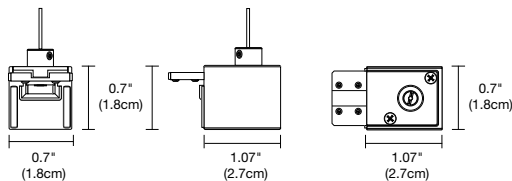
Power End Cap Connector joins the Zip Suspension Modular Downlight and electrically provides power from a Remote Power Supply through the 2" or 4" Canopy or use the EZ ordering code for no Canopy and Surface Mount Power Canopies (sold separately). It includes 12' of Power Cable, which easily adjusts at Canopy with the Push-In Grip Jack Connector.



System	Type	Power Canopy	Finish
ZSDM	CAP	2RT	SN
ZSDM Zip Suspension Modular Downlight	CAP End Cap Power	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K	BK Black CH Chrome SN Satin Nickel WH White

END CAP

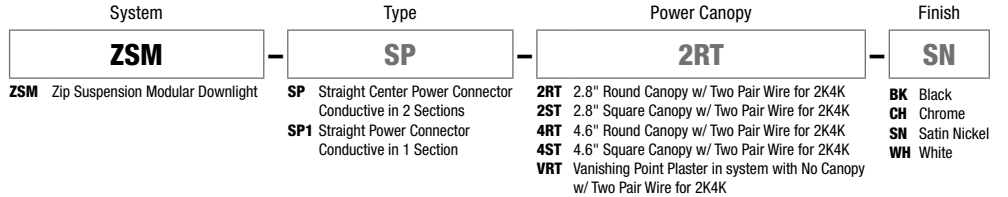
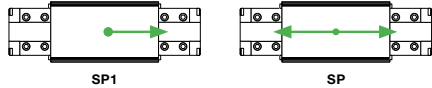
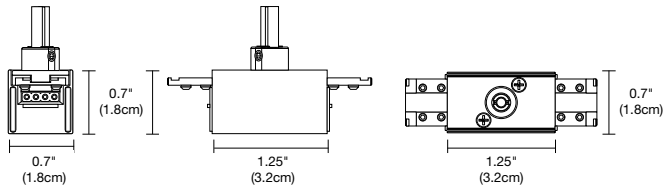
End Cap terminates the Zip Suspension Modular Downlight run and provides finished look. Includes 12' of adjustable Aircraft Cable and Ceiling Anchors.



System	Type	Finish
ZSDM	CA	SN
ZSDM Zip Suspension Modular Downlight	CA End Cap	BK Black CH Chrome SN Satin Nickel WH White

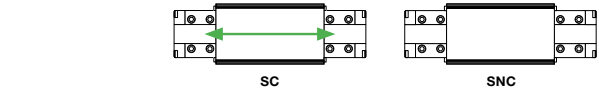
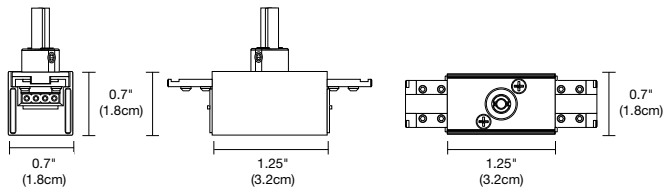
PROJECT	FIXTURE TYPE	DATE
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COMPONENTS Straight Connectors



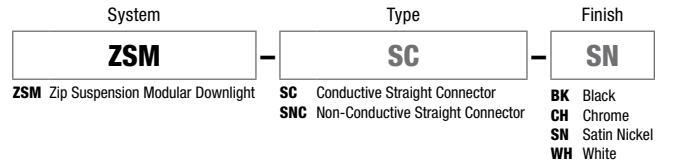
STRAIGHT POWER CONNECTOR WITH OR WITHOUT CANOPY

Straight Power Connector joins two sections of Zip Suspension Modular Downlight Channels, for creating endless linear lighting configurations. Use as a Center Power Feed (**SP**) electrically powering two sections from a Remote Power Supply or feed the power to one section (**SP1**). Choose the 2" or 4" Canopy Straight Center or use the EZ ordering code for no Canopy and Surface Mount Power Canopies (sold separately). Includes 12' of Power Cable which easily adjusts at Canopy with the Push-In Grip Jack Connector.



STRAIGHT CONNECTOR

Straight Connector joins two sections of Zip Suspension Modular Downlight. It is electrically powered from the previous Channel (**SC**) or isolates the power (**SNC**). Includes 12' of adjustable Aircraft Cable and Ceiling Anchors.

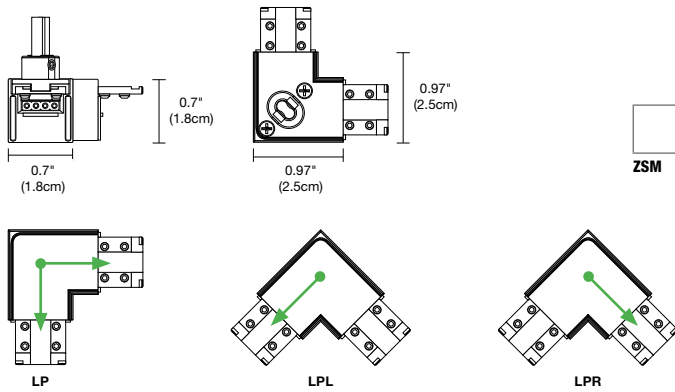


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COMPONENTS L-Shaped Connectors

L-SHAPED POWER CONNECTOR WITH CANOPY

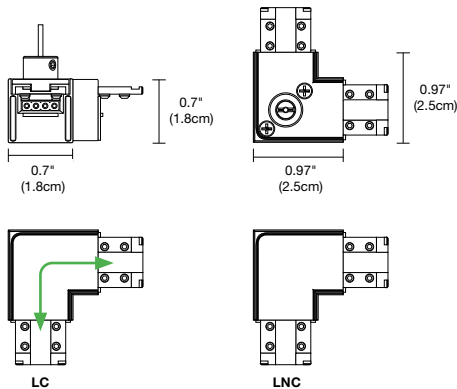
L-Shaped Power Connector joins two sections of Zip Suspension Modular Downlight at 90°. It electrically powers either the left section (**LPL**), right section (**LPR**) or both sections (**LP**) from a Remote Power Supply. Includes Power Canopy and 12' of coaxial Power Cable which easily adjusts at Canopy with the Push-In Grip Jack Connector.



System	Type	Power Canopy	Finish
ZSM	LP	2RT	SN
ZSM Zip Suspension Modular Downlight	LP L-Shaped Power Connector, Conductive on 2 Sections LPL L-Shaped Power Connector, Conductive on Left Section LPR L-Shaped Power Connector, Conductive on Right Section	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K	BK Black SN Satin Nickel WH White

L-SHAPED CONNECTOR

L-Shaped Connector joins two sections of Zip Suspension Modular Downlight at 90°, conducting the power (**LC**) or isolating the power (**LNC**). Includes 12' of adjustable Aircraft Cable and Ceiling Anchors.



System	Type	Finish
ZSM	LC	SN
ZSM Zip Suspension Modular Downlight	LC L-Shaped Conductive Connector LNC L-Shaped Non-Conductive Connector	BK Black SN Satin Nickel WH White

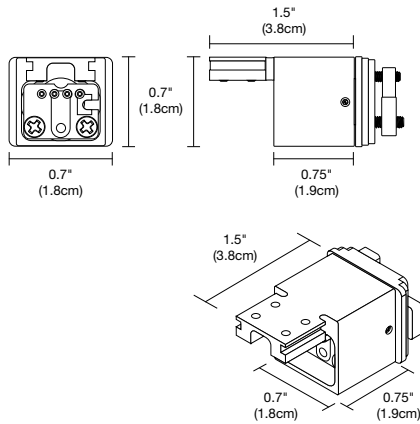
PROJECT	FIXTURE TYPE	DATE
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COMPONENTS In & Out Connectors allow for lighting designs using both Zip Modular and TruLine .5A



TRULINE .5A IN & OUT CONNECTOR TO ZIP MODULAR CEILING & SUSPENSION

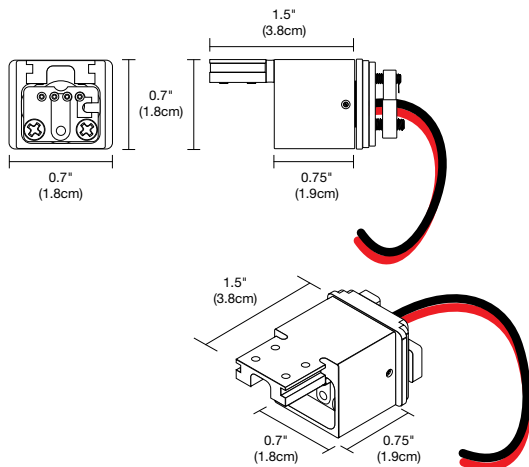
TruLine .5A In & Out Connector joins the end of Zip Modular Ceiling or Suspension systems to PureEdge Lighting's TruLine 1A recessed extrusion (not conductive).



System	Type	Finish
TL.5A-IO-ZIP	CA	BK
TL.5A-IO-ZIP TruLine .5A to Zip Modular Ceiling & Suspension	CA End Cap	BK Black CH Chrome SN Satin Nickel WH White

TRULINE .5A IN & OUT POWER CONNECTOR TO ZIP MODULAR CEILING & SUSPENSION

TruLine .5A In & Out Power Connector joins and provides power from the end of Zip Suspension Modular systems to PureEdge Lighting's TruLine 1A recessed extrusion.



System	Type	Finish
TL.5A-IO-ZIP	CA	BK
TL.5A-IO-ZIP TruLine .5A to Zip Modular Ceiling & Suspension	CAP End Cap Power	BK Black CH Chrome SN Satin Nickel WH White

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GRIP JACK SUSPENSION CANOPIES WITH POWER SUPPLIES For 24VDC Static White & Warm Dim LEDs

GRIP JACK SUSPENSION CANOPIES WITH POWER SUPPLIES					
ORDERING CODE	GSP-RM-2RD-1P-50-ELV- GSP-RM-2SQ-1P-50-ELV- 	GSP-NC-2RD-1P-50-ELV- GSP-NC-2RD-1P-50-ELV- 	GSP-4RD-1P-50-ELV- GSP-4SQ-1P-50-ELV- 	GSP-5SQ-1P-60-ELV- 	GSP-5SQ-2P-2X60-ELV-
	SPECIFICATIONS				
DESCRIPTION	Grip Jack Suspension 2.68" Canopy with Remodel Plaster Plate and 50W Power Supply that fits in Junction Box with 1-Port Power Feed	Grip Jack Suspension 2.68" Canopy with New Construction 2" Plaster Ring and 50W Power Supply that fits in Junction Box with 1-Port Power Feed	Grip Jack Suspension Canopy with Remodel 4.6" Canopy and 50W Power Supply that fits in existing Junction Box with 1-Port Power Feed	2x60W Grip Jack Suspension 5" Square Surface Mount Canopy with 1-Port Feed	2x60W Grip Jack Suspension 5" Square Surface Mount Canopy with 2-Port Feed
MAXIMUM LOAD	60W-NON IC, 50W-IC (FITS IN J-BOX)	60W-NON IC, 50W-IC (FITS IN J-BOX)	60W-NON IC, 50W-IC (FITS IN J-BOX)	60W	2X60W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	2.68" X 2.68" X .1"	2.68" X 2.68" X .1"	4.6" X 4.6" X .2"	5.5" X 5.5" X 1.5"	5.5" X 5.5" X 1.5"
FINISH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2
MOUNTING	REMODEL CONSTRUCTION, POWER SUPPLY RECESSED IN J-BOX	NEW CONSTRUCTION, POWER SUPPLY RECESSED IN J-BOX	REMODEL CONSTRUCTION, POWER SUPPLY RECESSED IN J-BOX	SURFACE MOUNT	SURFACE MOUNT
EFFICIENCY	85%	85%	85%	85%	85%
SHORT CIRCUIT PROTECTION	YES	YES	YES	YES	YES
OVER TEMPERATURE PROTECTION	YES	YES	YES	YES	YES
WORKING TEMPERATURE	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C
DIMMING & CONTROLS					
LUTRON DIVA: DVELV-300P	•	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	N/A	N/A	N/A	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	N/A	N/A	N/A	•	•

GRIP JACK SUSPENSION CANOPIES WITH POWER SUPPLIES					
ORDERING CODE	GSP-5SQ-1DP-2X60-ELV- 	GSP-6SQ-1P-100-ELV- GSP-6SQ-1P-150-ELV- 	GSP-6SQ-2P-2X100-ELV- GSP-6SQ-2P-2X150-ELV- 	GSP-6SQ-1DP-2X100-ELV- GSP-6SQ-1DP-2X150-ELV- 	GSP-6SQ-1P-200-ELV-
	SPECIFICATIONS				
DESCRIPTION	2x60W Grip Jack Suspension 5" Square Surface Mount Canopy with 2-Port Feed used with Nova Up/Down	100W or 150W Grip Jack Suspension 6" Square Surface Mount Canopy with 1-Port Feed	2x100W or 2x150W Grip Jack Suspension 6" Square Surface Mount Canopy with 2-Port Feed	2x100W or 2x150W Grip Jack Suspension 6" Square Surface Mount Canopy with Dual-Port Feed	200W Grip Jack Suspension 6" Square Surface Mount Canopy with 1-Port Feed
MAXIMUM LOAD	2X60W	100W OR 150W	2X100W OR 2X150W	2X100W OR 2X150W	200W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	5.5" X 5.5" X 1.5"	6.5" X 6.5" X 1.875"	6.5" X 6.5" X 1.875"	6.5" X 6.5" X 1.875"	6.5" X 6.5" X 1.875"
FINISH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH
CLASSIFICATION	CLASS 2	100W CLASS 2 150W UL2108	100W CLASS 2 150W UL2108	100W CLASS 2 150W UL2108	UL2108
MOUNTING	SURFACE MOUNT	SURFACE MOUNT	SURFACE MOUNT	SURFACE MOUNT	SURFACE MOUNT
EFFICIENCY	85%	85%	85%	85%	85%
SHORT CIRCUIT PROTECTION	YES	YES	YES	YES	YES
OVER TEMPERATURE PROTECTION	YES	YES	YES	YES	YES
WORKING TEMPERATURE	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C
DIMMING & CONTROLS					
LUTRON DIVA: DVELV-300P	•	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•	•	•
PROJECT				FIXTURE TYPE	DATE

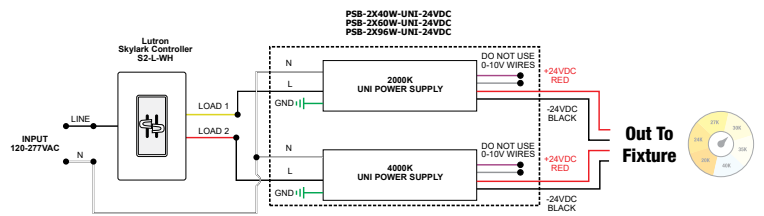
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS [†]				
ORDERING CODE	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
SPECIFICATIONS				
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC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

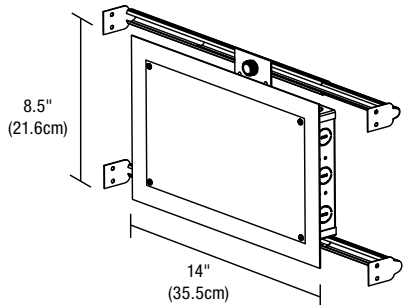
MAXIMUM LENGTH

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



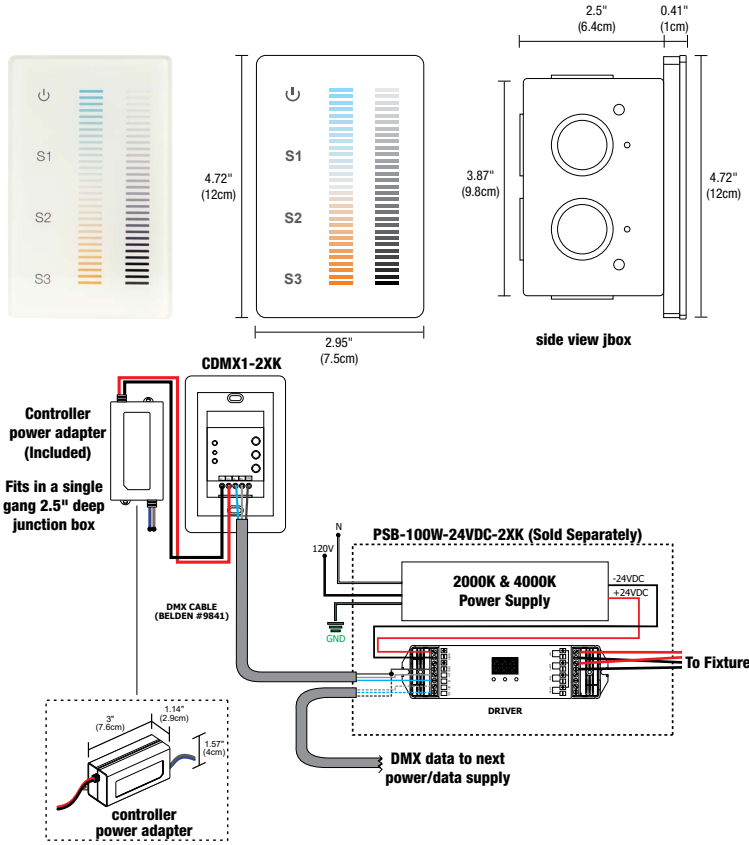
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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



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

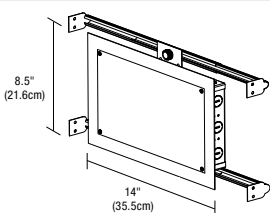
Product	Type	Finish
CDMX1	2XK	WH
CDMX1 DMX Single Zone Touch Controller	2XK 2 X Kelvin	WH White

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

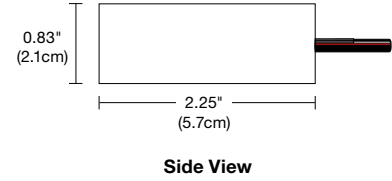
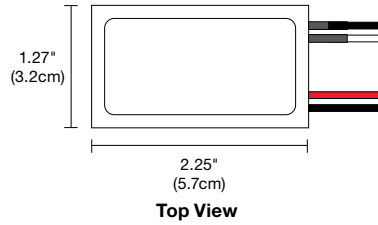
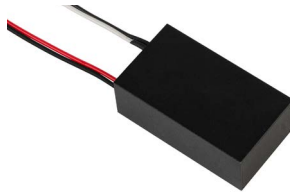
IN WALL MOUNTING OPTIONS



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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DESCRIPTION

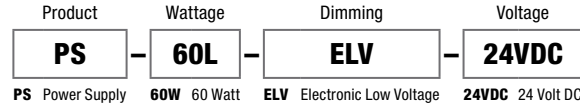
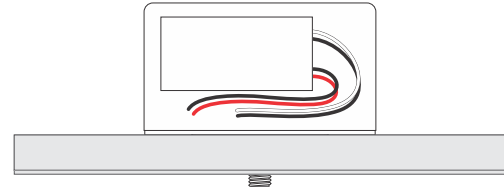
Compact, lightweight remote electronic 60W/24V LED Power Supply* converts standard 120VAC voltage to 24VDC and features built-in short-circuit protection. The low voltage output may be dimmed using an electronic low voltage dimmer. The Power Supply is certified to be used inside a standard Junction Box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

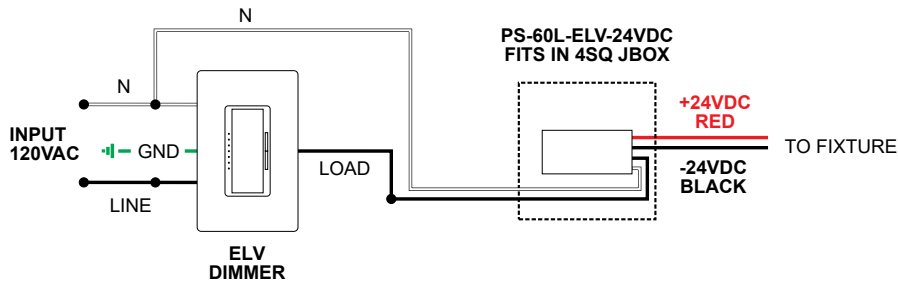
Indoor*
To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.

- 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



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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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	•	•	•

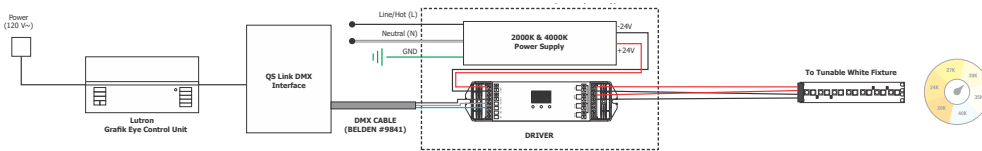
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

*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.

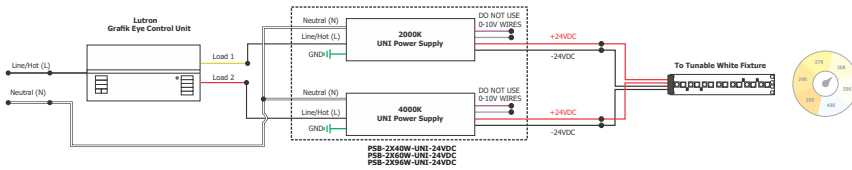
**Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.

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.

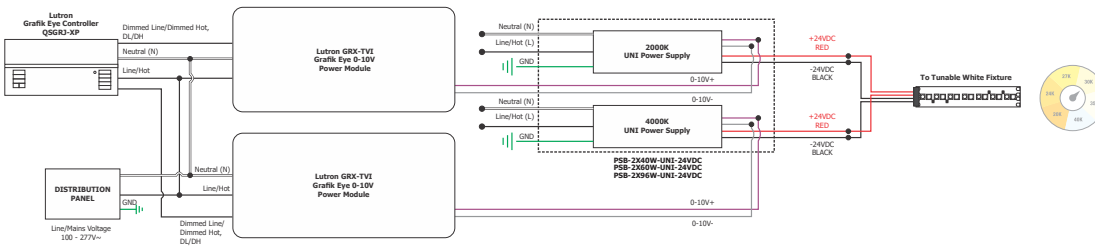
WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit



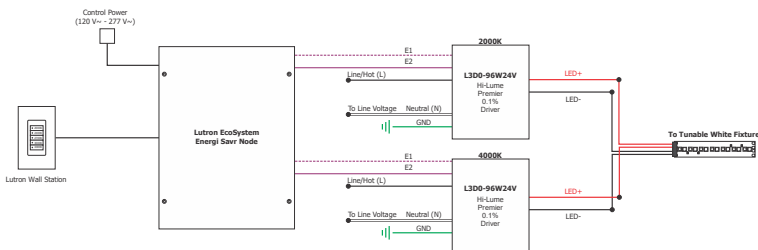
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



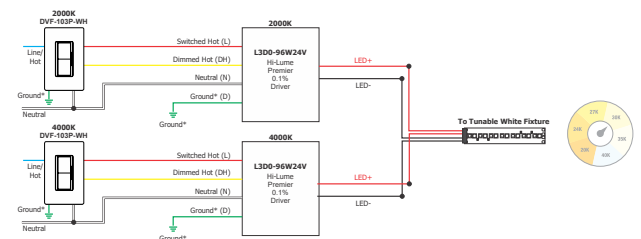
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



WIRING DIAGRAM: 2-Wire EcoSystem Panel



WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



PROJECT	FIXTURE TYPE	DATE
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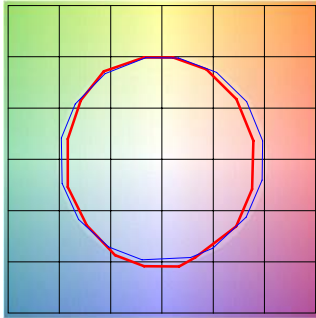
SUSPENSION TM30 DATA

MODULAR SYSTEM DYNAMIC TUNABLE WHITE

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.

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

Color Vector Graphic

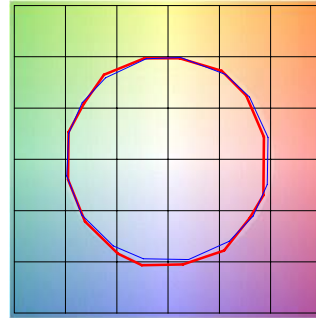


■ Test ■ Reference

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

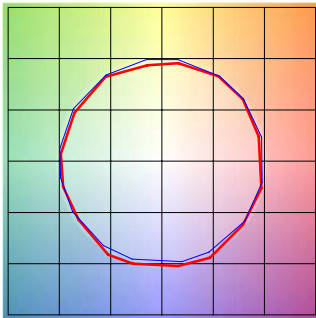


■ Test ■ Reference

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
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