ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

REV 02.08.18
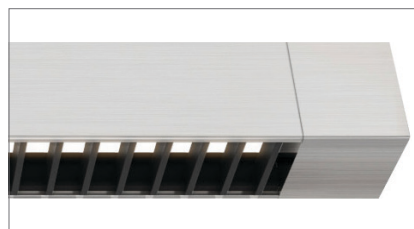
DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

Shown without Louver

Shown with White Louver

Shown with Black Louver

0.7" (1.8cm) / 0.7" (1.8cm)
Channel Without Louver (Actual Size)

0.7" (1.8cm) / 0.7" (1.8cm)
Channel With Louver (Actual Size)

Description

Add angles and dimensions to any space with the Zip Wave Suspension Downlight. This contemporary, curvy, linear LED fixture offers lighting that is crisp and spot-free. It is available in a range of increments from 48" to 720" (10ft), a 100° beam spread, optional adjustable white or black louver, multiple finishes, and a spectrum of color temperatures including Warm Dim and Tunable White. Fixture includes a 5-year warranty. For custom designs and quotes, send drawings to Design@PureEdgeLighting.com.

Installation

• Mounts to a standard junction box, pre-wired from either a 120V with a 60 watt NON-IC (50W-IC) power supply that fits in the ceiling electrical juntion box, or from a remote power supply feeding 24VDC up to 200 watts at a maximum of 40ft away
• Includes your choice of one or two canopies: one for remote power (under 60 watts NON-IC, fits in Jbox), one blank at end cap - 2R2, 2S2, 4R2, 4S2
• Includes adjustable 12ft coaxial and aircraft cables (additional aircraft cables included for support when fixture exceeds 96")
• Power supplies sold separately

Finishes

Available in Black, Chrome, Satin Nickel and White finishes. Aluminum hardware complements all finishes.

Lenses

• Available in a 100° white or clear frosted lens
• Optional black or white louver available with a 60° beam spread
  60° lens not available without louvers

Applications

Designed for indoor use only. Ideal application environments include: restaurants, hallways, conference rooms, kitchens, dining rooms, architectural lighting, general lighting, and retail
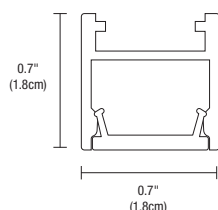
Lamping

• Choose from 9 color temperatures from 2200K-5700K including Warm Dim and Tunable White
• Warm Dim (optional): 2700K to 2000K (27D) or 3000K to 2000K (30D)
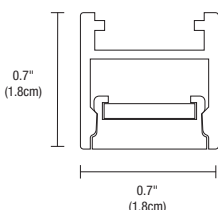• Tunable White (optional): 2000K-4000K
• 50,000 Hour Lamp Life

Remote Power Supplies* & Dimmers (sold separately)

• Electronic Low Voltage Dimming (ELV): 60 watt (fits in JBox), 100 watt class 2; 200 watt UL2108
• 0-10 Volt Dimming (0-10V)
• Lutron Hi-Lume®
• DMX: Dynamic Color Changing
  In-Wall Mounting Kits available for select power supplies

System	Wattage Per Foot	Canopy	Nominal Size (Inches)	Color Temperature	Finish
WSD	**5W**	**2R**	**720**	**22K**	**SN**

System	Wattage Per Foot	Canopy	Nominal Size (Inches)	Color Temperature	Finish
WSD — Zip Wave Suspension Diffused Lens with Remote Power	5W — 5 Watts	2R — 2.8" Round Canopy	48-720 — Order in various increments from 48" to 720". Maximum shipping length for Chrome is 84". *See length chart for exact dimensions.	22K — 2200K Amber White	BK — Black
WSDW — Zip Wave Suspension Diffused Lens with White Louver	7W — 7 Watts	2S — 2.8" Square Canopy		27K — 2700K Very Warm White	CH — Chrome
WSDB — Zip Wave Suspension Diffused Lens with Black Louver		4R — 4.6" Round Canopy		27D — 2700K Warm Dim (5W only)	SN — Satin Nickel
		4S — 4.6" Square Canopy		30K — 3000K Warm White	WH — White
		2R2 — 2x2.8" Round Canopy		30D — 3000K Warm Dim (5W only)	
		2S2 — 2x2.8" Square Canopy		35K — 3500K Neutral White	
		4R2 — 2x4.6" Round Canopy		40K — 4000K Cool White	
		4S2 — 2x4.6" Square Canopy		57K — 5700K Daylight White	
				2K4K — 2000K-4000K Tunable White (5W only, 20ft. max)	

PROJECT		FIXTURE TYPE		DATE	

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Lamp Data: Lamp data for Zip Wave Suspension Downlight with Remote Power - End Feed

WSD													
DESCRIPTION	100 Degree Diffused White Lens without Lens												
WATTS PER FOOT	5W (4.4 watts)								7W (7.3 watts)					
COLOR TEMPERATURE	22K	27K	27D*	30K	30D*	35K	40K	57K	22K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	173	211	260	231	284	264	287	306	275	335	367	420	456	486
LUMENS PER WATT (lm/w)	39	48	54	52	59	60	65	70	38	46	50	58	63	67
CRI	85+	95+	95+	95+	95+	85+	84	84	85+	95+	95+	85+	84	84

WSDW													
DESCRIPTION	100 Degree Diffused White Lens with White Louver												
WATTS PER FOOT	5W (4.4 watts)								7W (7.3 watts)					
COLOR TEMPERATURE	22K	27K	27D*	30K	30D*	35K	40K	57K	22K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	108	132	162	144	177	165	179	191	172	209	229	262	285	303
LUMENS PER WATT (lm/w)	25	30	34	33	37	37	41	43	24	29	31	36	39	42
CRI	85+	95+	95+	95+	95+	85+	84	84	85+	95+	95+	85+	84	84

WSDB													
DESCRIPTION	100 Degree Diffused White Lens with Black Louver												
WATTS PER FOOT	5W (4.4 watts)								7W (7.3 watts)					
COLOR TEMPERATURE	22K	27K	27D*	30K	30D*	35K	40K	57K	22K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	67	82	101	90	110	103	111	119	107	130	142	163	177	188
LUMENS PER WATT (lm/w)	15	19	21	20	23	23	25	27	15	18	19	22	24	26
CRI	85+	95+	95+	95+	95+	85+	84	84	85+	95+	95+	85+	84	84

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

CANDLE POWER DISTRIBUTION 100 DEGREE
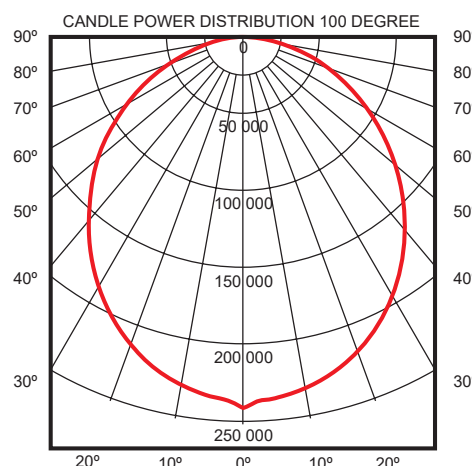
Finishes: The finishes available for the Zip Wave Suspension Downlight with Remote Power - End Feed

SN	BK	CH	WH
Satin Nickel	Black	Chrome	White

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

27K, 30K, 35K, 40K, 57K, & WARM DIM (27D & 30D)		
Ordering Code (Nominal Size Inches)	Nominal Size (Feet)	Actual Length (Inches)
48	4	48.58
60	5	60.50
72	6	72.43
84	7	84.37
96	8	96.36
108	9	108.26
120	10	120.20
144	12	144.46
192	16	192.66
240	20	240.40
288	24	288.68
336	28	336.30
360	30	360.64
384	32	384.44
432	36	432.46
480	40	480.48
540	45	540.64
600	50	600.24
648	54	648.48
720	60	720.48

CHROME		
Ordering Code (Nominal Size Inches)	Nominal Size (Feet)	Actual Length (Inches)
48	4	48.58
60	5	60.50
72	6	72.43
84	7	84.37
168	14	168.40
252	21	252.40
336	28	336.56
420	35	420.40
504	42	504.25
588	49	588.45

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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.
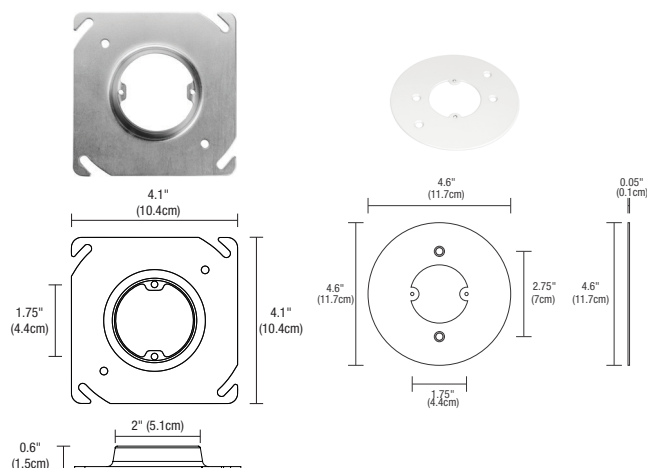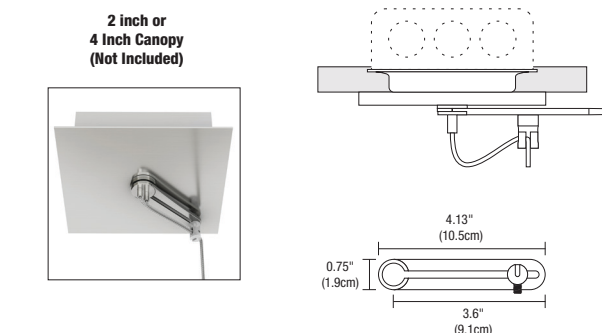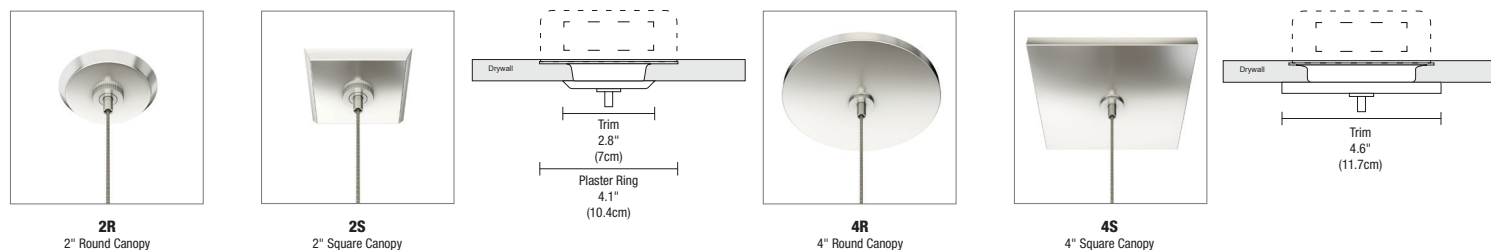
New Construction and Remodel 2" Cover for 4" Sq Junction Box

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.

System		Type
NC2	–	**JBOX**

NC2 New Construction 2"
RM2 Remodel Plaster Plate

JBOX JBox Cover

Zip Wave 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.

2R
2" Round Canopy

2S
2" Square Canopy

Drywall
Trim
2.8"
(7cm)
Plaster Ring
4.1"
(10.4cm)

4R
4" Round Canopy

4S
4" Square Canopy

Drywall
Trim
4.6"
(11.7cm)

Channel Suspension Adjustable Swag Bar and Hook

2 inch or 4 Inch Canopy (Not Included)

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, 4S, 5S, 6S and 8R Power Canopies (Canopy not included).

Product		Type		Finish
CS	–	**ADJ-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

Zip Wave Suspension Adjustable T-Bar Clip

Zip Wave 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
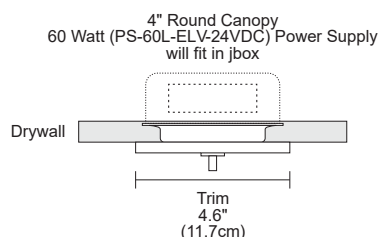AP Adjustable Power

W White
BK Satin Black

Adjustable

Adjustable Power

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PURE EDGE LIGHTING

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

2" Round Canopy
60 Watt (PS-60L-ELV-24VDC) Power Supply will fit in jbox

Drywall

Trim
2.8"
(7cm)

Plaster Ring
4.1"
(10.4cm)

2.8
(7cm)

Wave Suspension Downlight End Feed, Two 2" Round Canopy - Bottom View

0.5"
(1.3cm)

48" - 720"
(121.9cm - 1828.8cm)

0.5"
(1.3cm)

2" Square Canopy
60 Watt (PS-60L-ELV-24VDC) Power Supply will fit in jbox

Drywall

Trim
2.8"
(7cm)

Plaster Ring
4.1"
(10.4cm)

Wave Suspension Downlight End Feed, Two 2" Square Canopies - Bottom View

0.5"
(1.3cm)

48" - 720"
(121.9cm - 1828.8cm)

0.5"
(1.3cm)

4" Round Canopy
60 Watt (PS-60L-ELV-24VDC) Power Supply will fit in jbox

Drywall

Trim
4.6"
(11.7cm)

4.6
(11.7cm)

Wave Suspension Downlight End Feed, Two 4" Round Canopies - Bottom View

0.5"
(1.3cm)

48" - 720"
(121.9cm - 1828.8cm)

0.5"
(1.3cm)

4" Square Canopy
60 Watt (PS-60L-ELV-24VDC) Power Supply will fit in jbox

Drywall

Trim
4.6"
(11.7cm)

4.6
(11.7cm)

Wave Suspension Downlight End Feed, Two 4" Square Canopies - Bottom View

0.5"
(1.3cm)

48" - 720"
(121.9cm - 1828.8cm)

0.5"
(1.3cm)

PROJECT		FIXTURE TYPE		DATE	

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Drawings: Side-view shown with 2 or 4 inch canopy

Zip Wave Suspension Downlight with Remote Power 4" Canopy Shown with Louver - Bottom View

JUNCTION BOX
DRYWALL
4" CANOPY
STANDOFF
Coaxial Power Cable
0.7" (1.8cm)
0.7" (1.8cm)
0.7" (1.8cm)
0.5" (1.3cm)
48" - 720" (121.9cm - 1828.8cm)
0.5" (1.3cm)
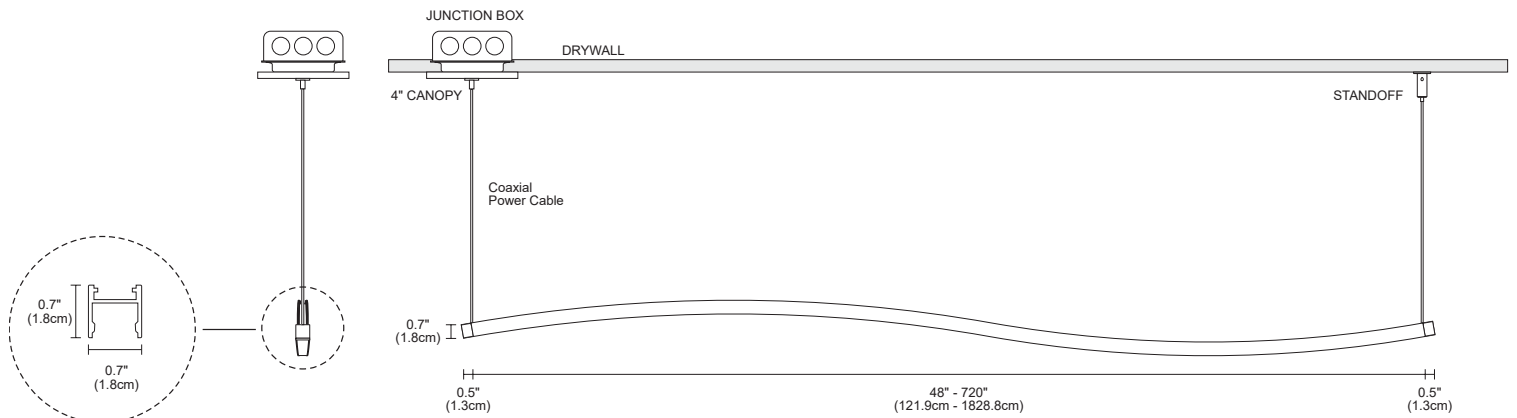
Zip Wave Suspension Downlight with Remote Power 2" Canopy Shown with Louver - Bottom View
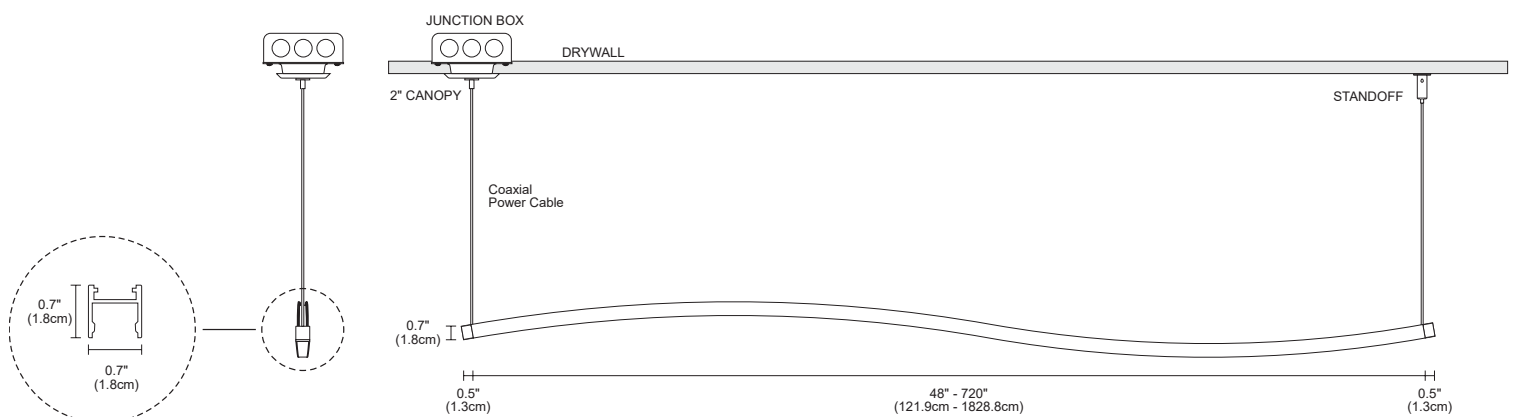
JUNCTION BOX
DRYWALL
2" CANOPY
STANDOFF
Coaxial Power Cable
0.7" (1.8cm)
0.7" (1.8cm)
0.7" (1.8cm)
0.5" (1.3cm)
48" - 720" (121.9cm - 1828.8cm)
0.5" (1.3cm)

PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE LIGHTING

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

Zip Wave Suspension Downlight with Remote Power 4" Canopies Shown with Louver - Bottom View

JUNCTION BOX

DRYWALL

4" CANOPY

4" CANOPY

Coaxial
Power Cable

0.7"
(1.8cm)

0.7"
(1.8cm)

0.7"
(1.8cm)

0.5"
(1.3cm)

48" - 720"
(121.9cm - 1828.8cm)

0.5"
(1.3cm)
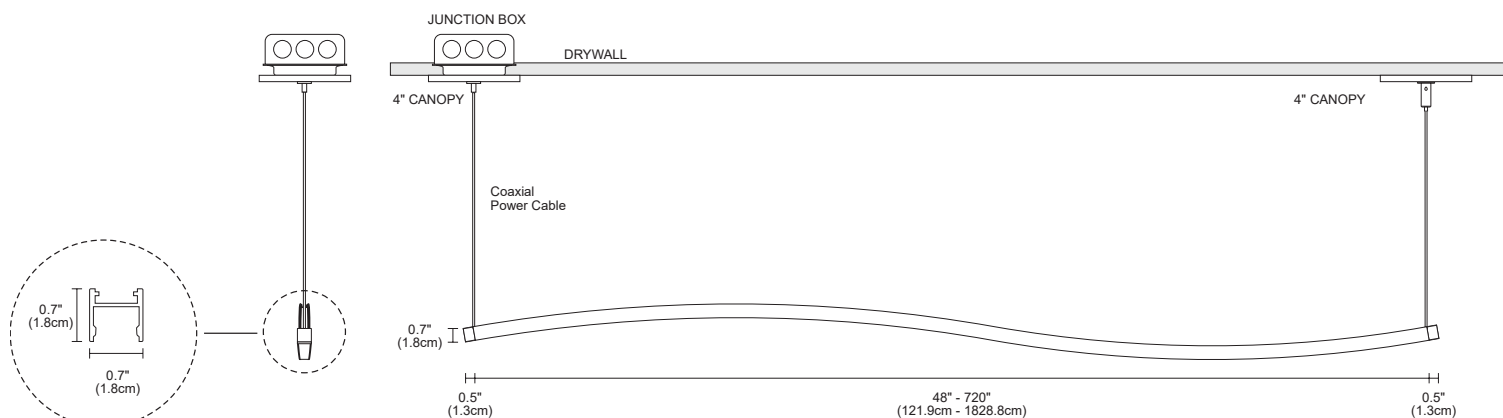
Zip Wave Suspension Downlight with Remote Power 2" Canopies Shown with Louver - Bottom View
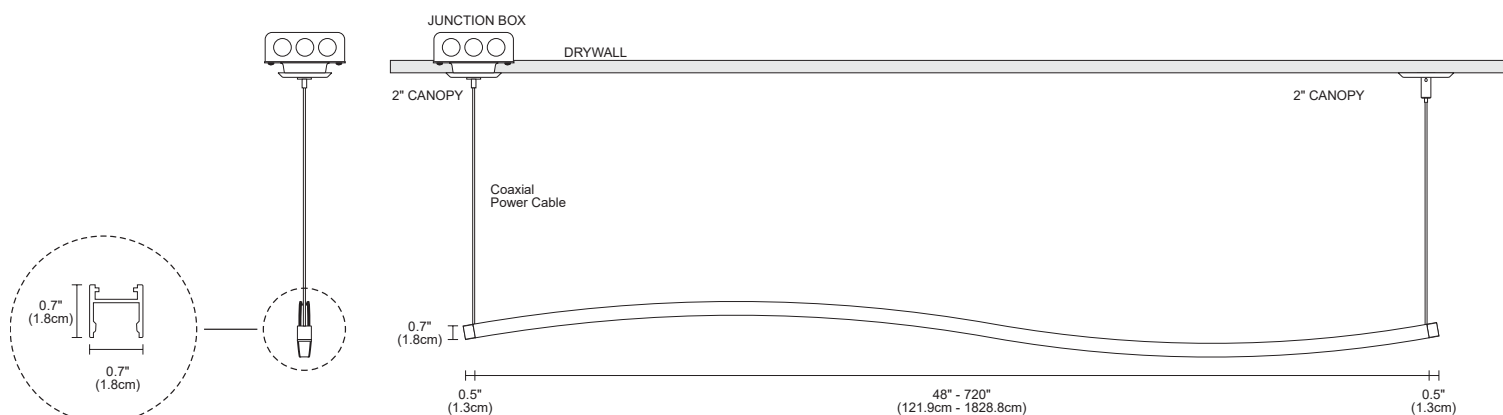
JUNCTION BOX

DRYWALL

2" CANOPY

2" CANOPY

Coaxial
Power Cable

0.7"
(1.8cm)

0.7"
(1.8cm)

0.7"
(1.8cm)

0.5"
(1.3cm)

48" - 720"
(121.9cm - 1828.8cm)

0.5"
(1.3cm)

PROJECT		FIXTURE TYPE		DATE	

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ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

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DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

Wiring Diagram: Wiring diagram for Static White with ELV Dimmer

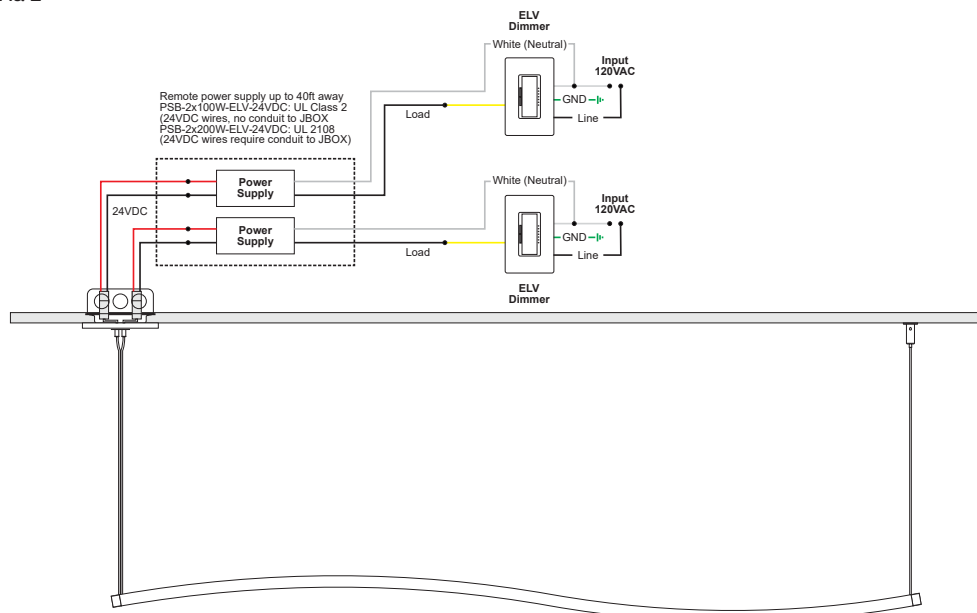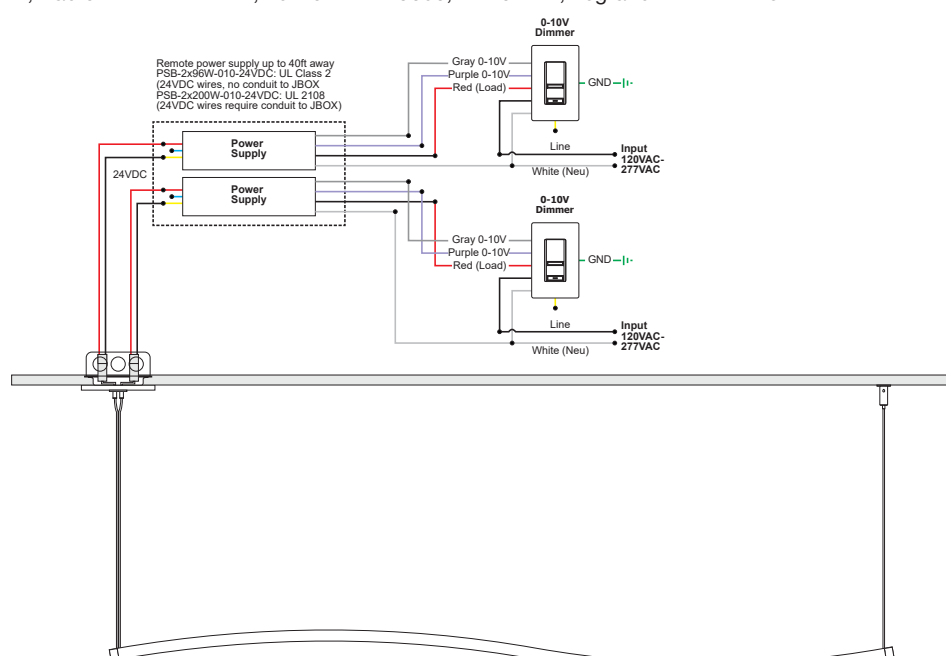|	
Application:	ELV dimming for Zip Wave Suspension Downlight with Remote Power, End Feed Canopy, Static White
Power Supply:	Class 2, 24VDC output: 120VAC input, PS-60L-ELV-24VDC (Fits in Jbox)
Remote Power Supplies:	PSB-60W-ELV-24VDC PSB-100W-ELV-24VDC UL 2108: PSB-200W-ELV-24VDC
Dimming:	Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELVz-300P, Maestro MAELV-600 and Radio Ra 2
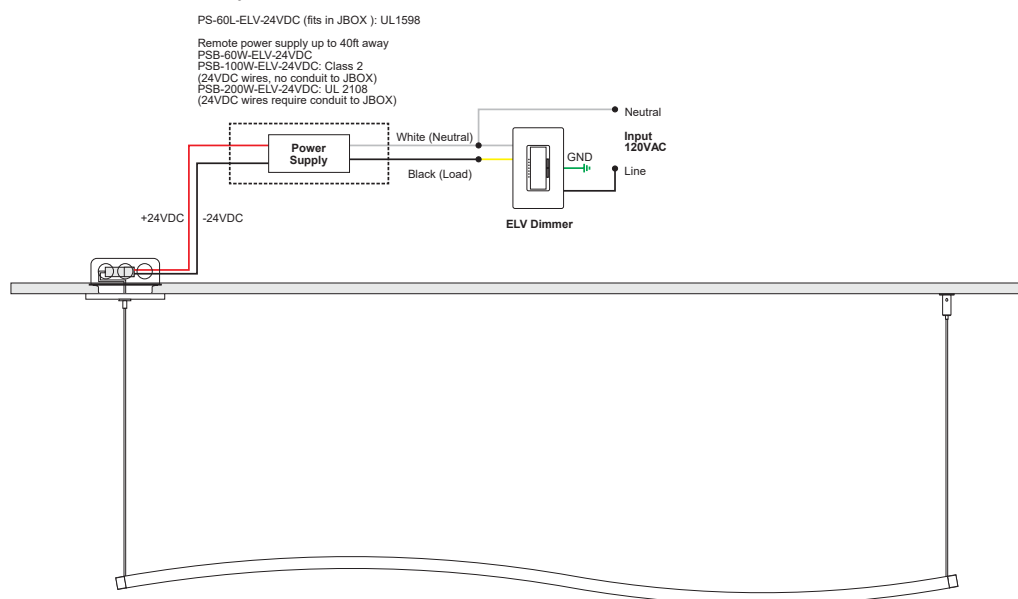
Wiring Diagram: Wiring diagram for Static White with 0-10 Volt Dimmer

Application:	0-10V dimming for Zip Wave Suspension Downlight with Remote Power, 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 0-10 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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PURE EDGE LIGHTING

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

Application:	ELV dimming for Zip Wave Suspension Downlight with Remote Power, End Feed Canopy, Tunable White 2000K-4000K
Remote Power Supplies:	Class 2, 24VDC output: 120VAC input PSB-2X100W-ELV-24VDC: Class 2 (24VDC wires, no conduit to Jbox) 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 Wave Suspension Downlight with Remote Power, End Feed Canopy, Tunable White 2000K-4000K
Remote Power Supplies:	Class 2, 24VDC output: 120/277 VAC input PSB-2X96W-010-24VDC: Class 2 (24VDC wires, no conduit to Jbox) PSB-2X200W-010-24VDC: UL 2108 (24VDC wires require conduit to Jbox)
Dimming:	Dimmable with 0-10 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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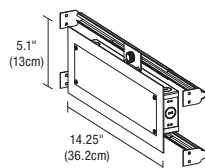# ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

REV 02.08.18

Required Components: 24VDC ELV Compatible Power Supplies

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
DIMMING AND CONTROLS				
LUTRON DIVA: DVELV-300P	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	N/A	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	N/A	•	•	•

ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS†

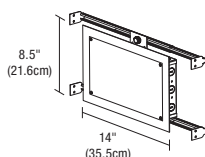| ORDERING CODES	PSB-2X100W-ELV-24VDC	PSB-3X100W-ELV-24VDC	PSB-4X100W-ELV-24VDC	PSB-200W-ELV-24VDC	PSB-2X200W-ELV-24VDC
SPECIFICATIONS					
MAXIMUM LOAD	2X96W	3X96W	4X96W	200W	2X200W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	12.15" X 6.48" X 2.18"	14" X 10" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	UL2108*	UL2108*
IN WALL MOUNTING	PSB-2X100W-ELV-24VDC-IW	N/A	N/A	PSB-200W-ELV-24VDC-IW	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	•	•	•	•	•

†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.

*Classification: UL2108 -*24VDC over 100 watts, wires must be in conduit from Remote Power Supply to Junction Box in ceiling.

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

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" (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-2x60W-ELV-24VDC-IW, PSB-2x100W-ELV-24VDC-IW, PSB-200W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

REV 02.08.18

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

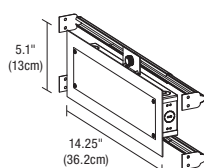**Required Components:** 24VDC 0-10V Compatible Power Supplies

0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODES	**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
DIMMING AND CONTROLS				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA:: DVTV-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	•	•	•	•

| 0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODES	**PSB-3X96W-010-24VDC**	**PSB-4X96W-010-24VDC**	**PSB-200W-010-24VDC**	**PSB-2X200W-010-24VDC**
SPECIFICATIONS				
MAXIMUM LOAD	3X96W	4X96W	200W	2X200W
INPUT VOLTAGE	120-277VAC	120-277VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	14" X 10" X 3"	17" X 13" X 3"	12.15" X 6.48" X 2.18"	14" X 10" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	UL2108*	UL2108*
IN WALL MOUNTING	N/A	N/A	PSB-200W-010-24VDC-IW	N/A
DIMMING AND CONTROLS				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA: DVTV-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	•	•	•	•

†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.

*Classification: UL2108 -*24VDC over 100 watts, wires must be in conduit from Remote Power Supply to Junction Box in ceiling.

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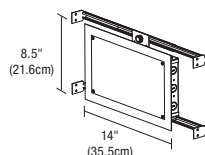
8.5 x 14 inch In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

Ordering Codes: PSB-2X96W-010-24VDC-IW, PSB-200W-010-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	

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ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

REV 02.08.18

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

Required Components: 24VDC Lutron Compatible Power Supply

LUTRON HI-LUME® PREMIER .1% ECOSYSTEM® 3-WIRE POWER SUPPLY & RECOMMENDED CONTROLLERS†	
ORDERING CODES	L3D0-96W24V-U
SPECIFICATIONS	
MAXIMUM LOAD	96W
INPUT VOLTAGE	120-277VAC
OUTPUT VOLTAGE	24VDC
DIMENSIONS	10.5" X 5.5" X 2"
CLASSIFICATION	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.

PROJECT		FIXTURE TYPE		DATE	

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PURE EDGE LIGHTING

4.72" (12cm)

2.95" (7.5cm)

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

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

side view jbox

Description:

The Tunable White Touch Controller is a full-touch controller that offers fast and accurate color temperature adjustment and independent brightness dimming of a single zone. Designed for tunable white and dual-color LED installations, this controller adjusts color temperature and brightness for warm and cool white LEDs. It also saves 3 preset scenes. Independent smooth dimming with 256 level brightness adjustment enables the DMX controller to achieve many colors within the full LED spectrum. Controller includes a power adapter that fits in junction box (not included) behind the controller. It contains an illuminated back light when powered off.

Applications:
Indoor

Installation:
Fits in a single gang 2.5 inch deep junction box, not to be used with a multi gang box
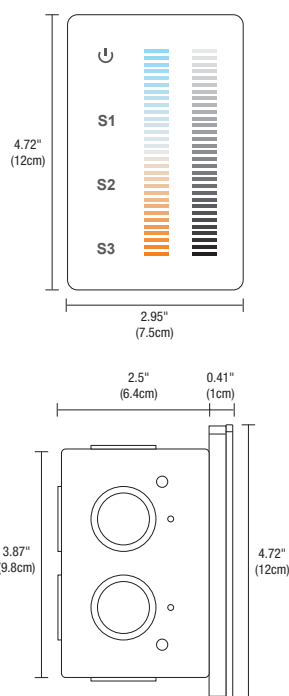
Power Input:
120-277VAC

Compatible Power Supplies (Sold Separately):
PSB-100W-24VDC-2XK 100W output, 120-277V Input
PSB-2X100W-24VDC-2XK 2x100W output, 120-277V Input
PSB-3X100W-24VDC-2XK 3x100W output, 120-277V Input
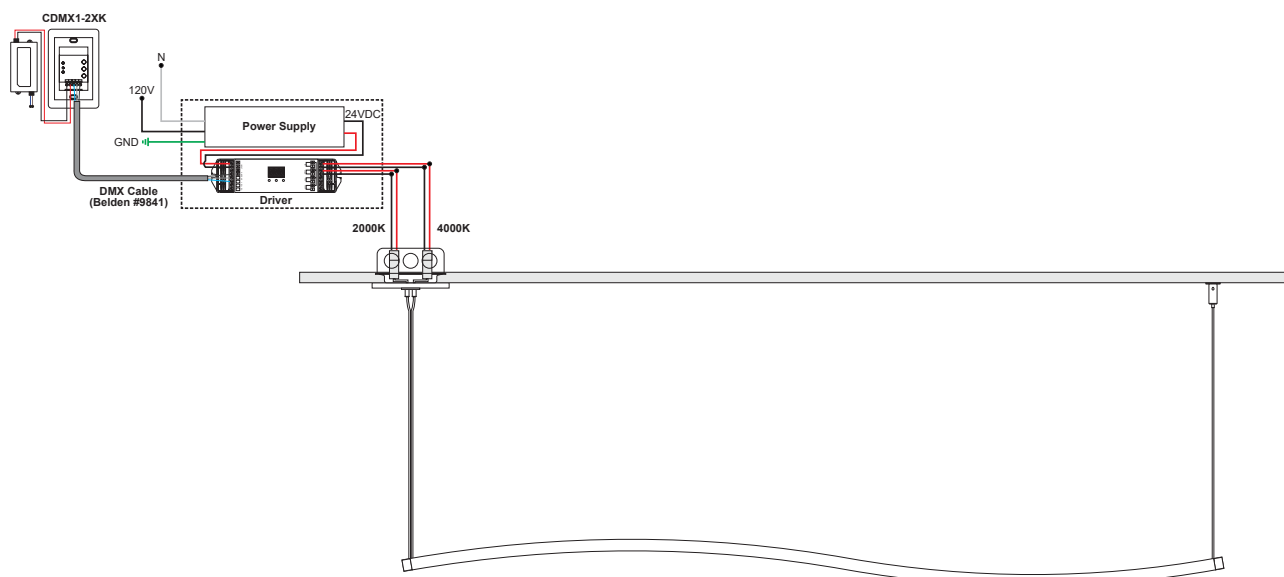PSB-4X100W-24VDC-2XK 4x100W output, 120-277V Input

Output Signal:
USITT DMX 512 (1990)

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

CDMX1	DMX Single Zone Touch Controller	2XK	2-Color	WH	White

CDMX1-2XK

N

120V

GND

Power Supply

24VDC

DMX Cable (Belden #9841)

Driver

2000K   4000K

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PROJECT		FIXTURE TYPE		DATE	

ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

REV 02.08.18

Required Components: 24VDC DMX 2XK Tunable White Compatible Power Supplies

| DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS†				
ORDERING CODES	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
SPECIFICATIONS				
MAXIMUM LOAD	100W	2X100W	3X100W	4X100W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.14" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	PSB-100W-24VDC-2XK-IW	N/A	N/A	N/A
DIMMING AND CONTROLS				
TOUCH SCREEN CONTROLLER (CTP)	•	•	•	•
COLOR DIAL CONTROLLER (CDP)	•	•	•	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	•	•	•	•
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•	•

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS†			
ORDERING CODES	PSB-200W-24VDC-2XK	PSB-400W-24VDC-2XK	PSB-100W-24VDC-DALI
SPECIFICATIONS			
MAXIMUM LOAD	200W	400W	100W
INPUT VOLTAGE	120-240VAC	120-240VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC
DIMENSIONS	12" X 8" X 4.3"	12" X 8" X 6.5"	12.14" X 6.48" X 2.18"
CLASSIFICATION	UL2108*	UL2108*	UL2108*
IN WALL MOUNTING	N/A	N/A	PSB-100W-24VDC-DALI-IW
DIMMING AND CONTROLS			
TOUCH SCREEN CONTROLLER (CTP)	•	•	•
COLOR DIAL CONTROLLER (CDP)	•	•	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	•	•	•
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•
DALI COMPATIBLE	•	•	•

†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) and Static Color (Blue, Green, or Red) are compatible with DMX Power Supplies.

*Classification: UL2108 -*24VDC over 100 watts, wires must be in conduit from Remote Power Supply to JBOX.
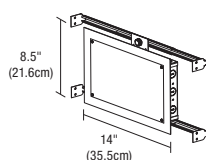
8.5" (21.6cm)

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, PSB-100W-24VDC-2XK-IW

PROJECT		FIXTURE TYPE		DATE	

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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
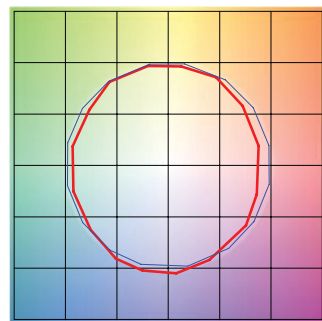
Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	77.6	-10.0%	1.8%
2	80.7	-7.5%	7.0%
3	79.5	-2.9%	8.9%
4	90.5	-3.1%	2.4%
5	93.9	-1.3%	1.9%
6	91.9	-0.9%	-0.2%
7	87.6	-6.3%	-2.7%
8	90.5	-5.4%	2.7%
9	83.8	-4.7%	6.5%
10	81.2	-2.5%	10.0%
11	83.3	3.9%	9.4%
12	86.4	5.6%	2.6%
13	86.2	4.5%	-12.4%
14	64.3	-1.0%	-21.9%
15	85.1	-4.4%	-7.5%
16	75.0	-9.9%	-12.0%

2700K | Rf: 87.7 | Rg: 96.1

COLOR VECTOR GRAPHIC
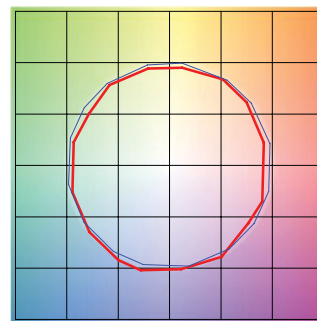
Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	86.4	-5.6%	2.3%
2	89.7	-3.3%	3.1%
3	90.5	-1.5%	3.8%
4	90.0	-4.3%	1.1%
5	92.9	-3.7%	0.2%
6	93.5	-2.5%	-0.8%
7	86.3	-7.2%	2.5%
8	90.7	-4.0%	3.2%
9	85.2	-2.4%	8.1%
10	81.7	0.9%	10.8%
11	85.4	4.5%	8.9%
12	88.7	5.7%	-1.4%
13	88.3	1.3%	-7.9%
14	85.1	2.4%	-10.4%
15	88.1	-4.8%	-2.7%
16	81.7	-4.3%	-10.9%

3000K | Rf: 88.1 | Rg: 99.7

COLOR VECTOR GRAPHIC
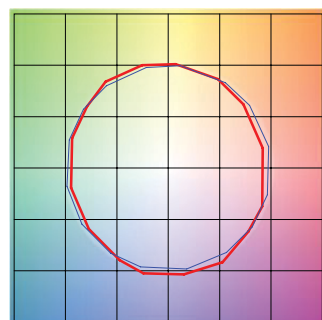
Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	87.7	-5.9%	-0.3%
2	87.9	-4.4%	4.3%
3	82.9	-1.2%	7.9%
4	89.9	0.6%	4.7%
5	92.7	3.0%	3.5%
6	92.7	3.6%	-1.7%
7	90.8	-1.3%	-4.4%
8	93.7	-2.5%	-2.2%
9	91.7	-3.7%	2.3%
10	85.5	-2.8%	7.8%
11	83.3	0.7%	11.0%
12	86.4	5.5%	3.8%
13	90.6	4.6%	-3.6%
14	85.6	5.9%	-8.4%
15	89.5	-0.6%	-5.7%
16	82.6	-2.7%	-12.0%

3500K | Rf: 86.1 | Rg: 95.5

COLOR VECTOR GRAPHIC
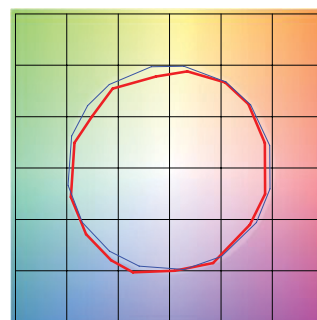
Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	86.6	-4.2%	3.4%
2	91.7	-1.4%	1.8%
3	94.9	-0.7%	0.4%
4	87.9	-4.5%	-4.1%
5	85.9	-10.3%	-2.7%
6	89.8	-5.2%	-0.4%
7	79.6	-9.5%	6.5%
8	87.6	-4.0%	5.7%
9	81.4	-0.5%	11.8%
10	78.3	3.3%	11.4%
11	85.7	6.3%	6.1%
12	86.3	7.1%	-4.6%
13	86.1	-0.7%	-9.6%
14	85.1	0.8%	-10.4%
15	83.4	-4.1%	-5.3%
16	82.5	-3.6%	-5.7%

4000K | Rf: 87.6 | Rg: 96.8

COLOR VECTOR GRAPHIC
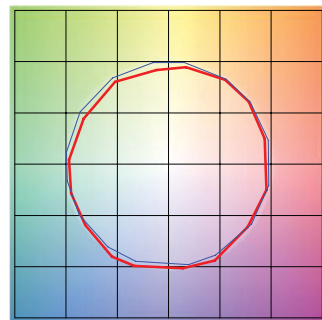
Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	89.0	-3.1%	2.1%
2	93.2	-0.9%	1.3%
3	94.3	-1.1%	0.7%
4	89.5	-4.0%	-2.3%
5	87.6	-7.8%	-1.8%
6	92.2	-4.6%	0.1%
7	87.4	-6.6%	3.6%
8	85.7	-3.8%	7.0%
9	81.5	-1.3%	12.4%
10	80.0	0.9%	11.4%
11	83.3	5.9%	8.7%
12	89.7	4.8%	-0.3%
13	88.5	2.4%	-6.3%
14	92.7	4.0%	-3.8%
15	86.1	-1.6%	-4.5%
16	85.0	-1.4%	-5.0%

5700K | Rf: 80.3 | Rg: 91.5

COLOR VECTOR GRAPHIC
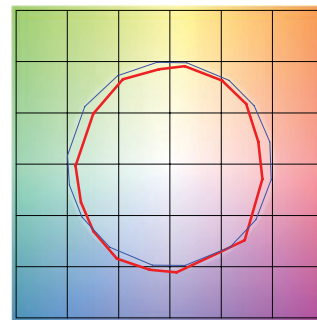
Test ■ Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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%

PROJECT		FIXTURE TYPE		DATE	

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# ZIP WAVE SUSPENSION DOWNLIGHT WITH REMOTE POWER - END FEED

REV 02.08.18

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

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.

2700D | Rf: 89.5 | Rg: 100.8

COLOR VECTOR GRAPHIC
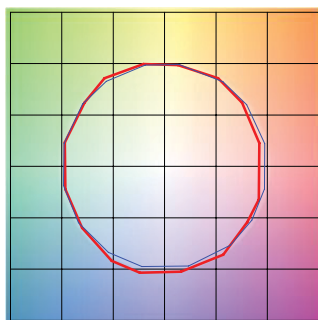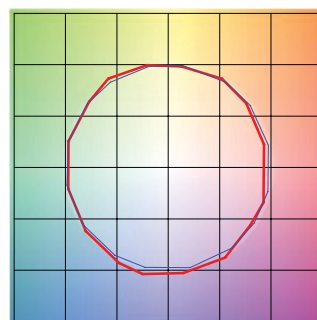

Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		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: 84.8 | Rg: 97.9

COLOR VECTOR GRAPHIC
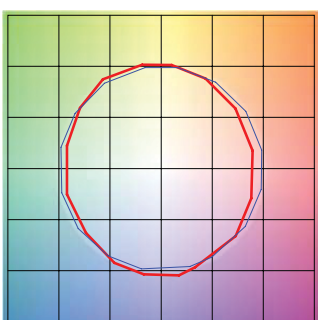
Test   Reference

| HUE BIN | Rf | GRAPHIC SHIFTS % | |
		CHROMA	HUE
1	81.1	-8.7%	1.2%
2	79.8	-6.9%	7.9%
3	78.5	-2.6%	10.3
4	88.9	1.3%	6.2%
5	94.7	3.2%	2.2%
6	91.4	4.1%	-0.7%
7	88.1	-1.1%	-7.1%
8	90.3	-5.4%	-2.6%
9	88.3	-4.8%	2.6%
10	84.1	-3.8%	7.7%
11	84.8	2.3%	8.8%
12	86.2	4.8%	3.4%
13	86.0	6.4%	-12.2%
14	62.1	-1.0%	-18.9%
15	79.8	-2.7%	-13.1%
16	79.1	-7.8%	-10.4%

4000K only (2K4K) | Rf: 89.6 | Rg: 99.1

COLOR VECTOR GRAPHIC
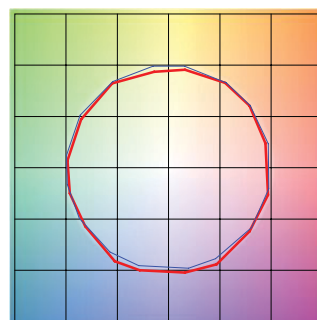
Test   Reference

| 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%

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

COLOR VECTOR GRAPHIC
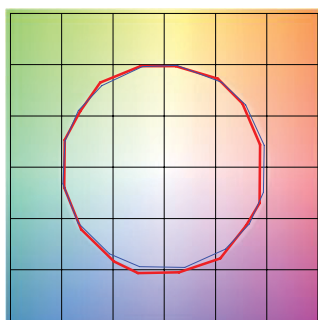
Test   Reference

| 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%

PROJECT		FIXTURE TYPE		DATE	

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