



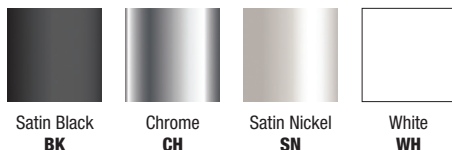
DESCRIPTION

Add curves and volume 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 120" (10ft), a 100° beam spread, optional adjustable white or black louver, multiple finishes, and Dynamic/Tunable White. Using the latest in LED Technology Dynamic/Tunable White you have full control over the color temperature from 2000K (Sunset) to 4000K (Cool White) and the ability to fine-tune the brightness independently. Requires Two dimmers (one for 2000K and one for 4000K) or, use our proprietary Tunable White Controller for fast and accurate adjustment and three pre-set scenes (**CDMX1**) ordered separately. Human-Centric lighting supports health, performance, and overall well-being by adjusting with your circadian cycle. Order **WSD_P** with power supplies included in the canopy or **WSD_R** remote power supplies, sold separately. Fast Jack 12V Port Canopy (**C1**) for mounting Fast Jack fixtures to easily accommodate a variety of moods and tasks. Fixture includes a 5-year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

INSTALLATION

- Includes 12" rectangle canopy with 120V/24VDC Electronic Low Voltage LED power supply
- Optional Fast Jack 12V port (**C1**) for mounting Fast Jack 12V fixtures, off center of canopy
- Adjustable 12ft coaxial and aircraft cables included; additional aircraft cables included support when fixture exceeds 72"

FINISHES



LENSES

- Available in a Diffused White Lens with 100° beam spread
- Optional black or white louver available

APPLICATIONS

Designed for indoor use only. Ideal environments include: restaurants, hallways, conference rooms, kitchens and dining rooms.

LAMPING

- Tunable White: 2000K-4000K
- 50,000 Hour Lamp Life

ELECTRICAL

Input Voltage: 120VAC - 277VAC

Power Consumed: 5 per foot

WSDP: 120V/24V 2x Uni-Drivers. Optional Fast Jack Power Supply; 12VAC electronic low voltage LED power supply.

WSDR: Remote Power Supply Options (ordered separately)

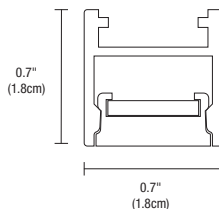
Output Voltage: 24VDC Class 2 wiring, 2x UNIVERSAL Remote Power Supplies. Optional Fast Jack Power Supply; 12VAC electronic low voltage LED power supply, is included in Canopy.

Dimming*: Universal Dimming (TRIAC, ELV, 0-10V), Lutron Hi-Lume®, DALI, or DMX

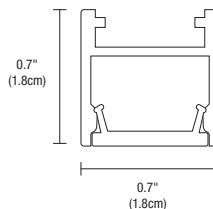
*Dynamic/Tunable White - Requires two dimmers (one for 2000K and one for 4000K) or use our proprietary Tunable White Controller CDMX-1

APPROVALS

Class 2 Wiring up to 100 watts, Damp Location Suitable, ETL listed. Title 24 with Universal Power Supply, 0-10V or Lutron power supply, Made in America. Title 24 JA8.



Channel With Louver (Actual Size)



Channel Without Louver (Actual Size)



C1 Canopy, shown with FJ Piston in Satin Nickel (FJ Piston sold separately)

System	Wattage Per Foot	Canopy	Nominal Size	Color Temperature	Finish
WSDP	5W	C	120	2K4K	SN
WSDP Zip Wave Suspension Diffused Lens with Power WSDWP Zip Wave Suspension Diffused Lens with White Louver, with Power WSDBP Zip Wave Suspension Diffused Lens with Black Louver, with Power WSDR Zip Wave Suspension Diffused Lens, order Remote Power separately WSDWR Zip Wave Suspension Diffused Lens with White Louver, order Remote Power separately WSDBR Zip Wave Suspension Diffused Lens with Black Louver, order Remote Power separately	5W 4.6 Watts	C Center Feed C1 Center Feed with FJ Connector	48-120 Order in various increments from 48" to 120". Maximum shipping length for Chrome is 84"	2K4K 2000K-4000K Tunable White (5W Only)	BK Black CH Chrome SN Satin Nickel WH White

*See length chart for exact dimensions (pg. 2)

PROJECT	FIXTURE TYPE	DATE
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Lamp Data: Lamp data for Zip Wave Suspension Downlight with Power - Center Feed

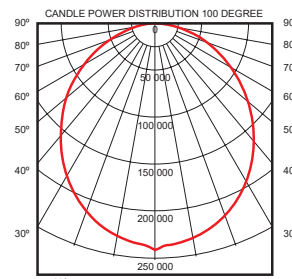
WSDP								
100 Degree Diffused White Lens without Lens								
DESCRIPTION								
WATTS PER FOOT	5W (4.6 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	185	209	232	255	278	319	346	369
LUMENS PER WATT (lm/w)	46	47	53	58	63	72	79	84
CRI	82	85+	90+	95+	95+	85+	84	84
WSDWP								
100 Degree Diffused White Lens with White Louver								
DESCRIPTION								
WATTS PER FOOT	5W (4.6 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	115	130	145	159	174	199	216	230
LUMENS PER WATT (lm/w)	29	30	33	36	39	45	49	52
CRI	82	85+	90+	95+	95+	85+	84	84
WSDBP								
100 Degree Diffused White Lens with Black Louver								
DESCRIPTION								
WATTS PER FOOT	5W (4.6 watts)							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	72	81	90	99	108	124	134	143
LUMENS PER WATT (lm/w)	18	18	20	22	25	28	31	33
CRI	82	85+	90+	95+	95+	85+	84	84

LENGTH CHART Actual lengths for Zip Wave Suspension

5W (2K4K)													
WITH TWO DIMMERS: YOU NEED TWO UNI DRIVER POWER SUPPLIES, ONE FOR 2000K AND ONE FOR 4000K (SEE PAGES BELOW)						DMX POWER AND CDMX CONTROLLER: YOU NEED ONE POWER SUPPLY ONLY (SEE PAGES BELOW)							
Ordering Code (Nominal Size)	Actual Length	2K Watts	4K Watts	Power Supply	2K4K DMX Wattage	Power Supply	Ordering Code (Nominal Size)	Actual Length	2K Watts	4K Watts	Power Supply	2K4K DMX Wattage	Power Supply
48	48.6	20	20	PSB-2x40W-UNI-24VDC	20	PSB-100W-24VDC-2XK	87	86.8	36	36	PSB-2x40W-UNI-24VDC	36	PSB-100W-24VDC-2XK
51	51.0	21	21	PSB-2x40W-UNI-24VDC	21	PSB-100W-24VDC-2XK	89	89.2	37	37	PSB-2x40W-UNI-24VDC	37	PSB-100W-24VDC-2XK
53	53.4	22	22	PSB-2x40W-UNI-24VDC	22	PSB-100W-24VDC-2XK	92	91.6	38	38	PSB-2x40W-UNI-24VDC	38	PSB-100W-24VDC-2XK
56	55.8	23	23	PSB-2x40W-UNI-24VDC	23	PSB-100W-24VDC-2XK	94	94.0	39	39	PSB-2x40W-UNI-24VDC	39	PSB-100W-24VDC-2XK
58	58.1	24	24	PSB-2x40W-UNI-24VDC	24	PSB-100W-24VDC-2XK	96	96.4	40	40	PSB-2x60W-UNI-24VDC	40	PSB-100W-24VDC-2XK
60	60.5	25	25	PSB-2x40W-UNI-24VDC	25	PSB-100W-24VDC-2XK	99	98.7	41	41	PSB-2x60W-UNI-24VDC	41	PSB-100W-24VDC-2XK
63	62.9	26	26	PSB-2x40W-UNI-24VDC	26	PSB-100W-24VDC-2XK	101	101.1	42	42	PSB-2x60W-UNI-24VDC	42	PSB-100W-24VDC-2XK
65	65.3	27	27	PSB-2x40W-UNI-24VDC	27	PSB-100W-24VDC-2XK	104	103.5	43	43	PSB-2x60W-UNI-24VDC	43	PSB-100W-24VDC-2XK
68	67.7	28	28	PSB-2x40W-UNI-24VDC	28	PSB-100W-24VDC-2XK	106	105.9	44	44	PSB-2x60W-UNI-24VDC	44	PSB-100W-24VDC-2XK
70	70.1	29	29	PSB-2x40W-UNI-24VDC	29	PSB-100W-24VDC-2XK	108	108.3	45	45	PSB-2x60W-UNI-24VDC	45	PSB-100W-24VDC-2XK
72	72.5	30	30	PSB-2x40W-UNI-24VDC	30	PSB-100W-24VDC-2XK	111	110.7	46	46	PSB-2x60W-UNI-24VDC	46	PSB-100W-24VDC-2XK
75	74.9	31	31	PSB-2x40W-UNI-24VDC	31	PSB-100W-24VDC-2XK	113	113.1	47	47	PSB-2x60W-UNI-24VDC	47	PSB-100W-24VDC-2XK
77	77.2	32	32	PSB-2x40W-UNI-24VDC	32	PSB-100W-24VDC-2XK	116	115.4	48	48	PSB-2x60W-UNI-24VDC	48	PSB-100W-24VDC-2XK
80	79.6	33	33	PSB-2x40W-UNI-24VDC	33	PSB-100W-24VDC-2XK	118	117.8	49	49	PSB-2x60W-UNI-24VDC	49	PSB-100W-24VDC-2XK
82	82.0	34	34	PSB-2x40W-UNI-24VDC	34	PSB-100W-24VDC-2XK	120**	120.2	50	50	PSB-2x60W-UNI-24VDC	50	PSB-100W-24VDC-2XK
84*	84.4	35	35	PSB-2x40W-UNI-24VDC	35	PSB-100W-24VDC-2XK							

*Maximum Chrome Length **Maximum Shipping Length

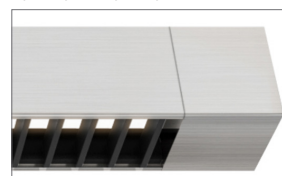
5W DIFFUSED WHITE			
Distance	Foot Candles 5W	Beam Width Vert. Spread 101.1°	Beam Width Horiz. Spread 97.4°
1.7ft	120fc	4.1ft	3.9ft
3.3ft	39fc	8.0ft	7.5ft
5.0ft	16fc	12.1ft	11.4ft
6.7ft	10fc	16.3ft	15.3ft
8.3ft	6fc	20.2ft	18.9ft
10.0ft	4fc	24.3ft	22.8ft



Shown without Louver



Shown with White Louver



Shown with Black Louver

PROJECT					FIXTURE TYPE				DATE
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Wiring Diagram: Wiring diagram for Tunable White with Dual ELV Dimmers

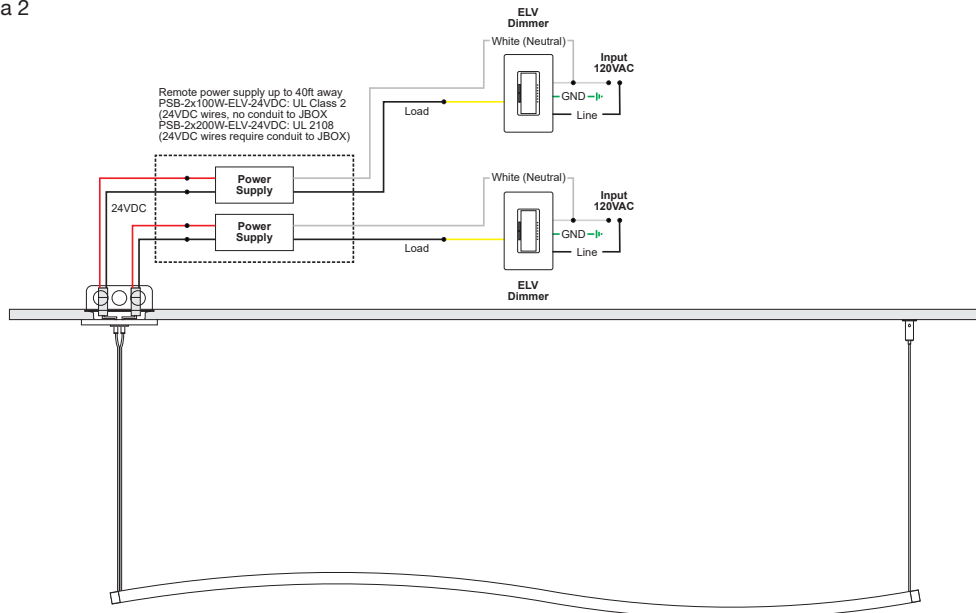
Application: ELV dimming for Zip Wave Suspension Downlight with Remote Power, End Feed Canopy, Tunable White 2000K-4000K

Remote Power Class 2, 24VDC output: 120VAC input

Supplies: 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

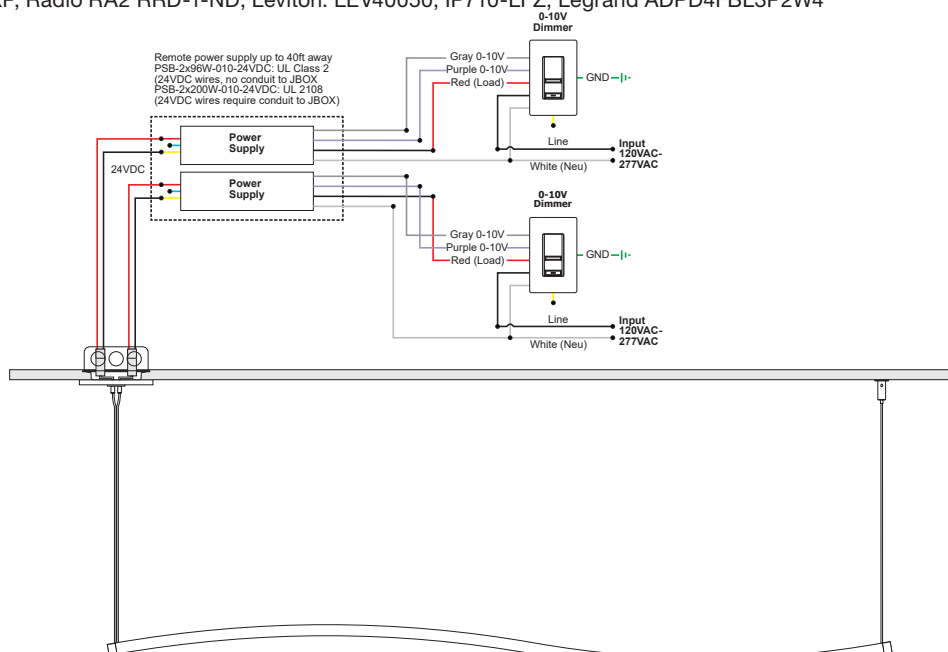
Application: 0-10V dimming for Zip Wave Suspension Downlight with Remote Power, End Feed Canopy, Tunable White 2000K-4000K

Remote Power Class 2, 24VDC output: 120/277 VAC input

Supplies: 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 DDTV-WH, Nova-T NTSTV-DV-XX, Grafix Eye QS QSGRJ-XP, Radio RA2 RRD-1-ND; Leviton: LEV40050, IP710-LFZ; Legrand ADPD4FBL3P2W4

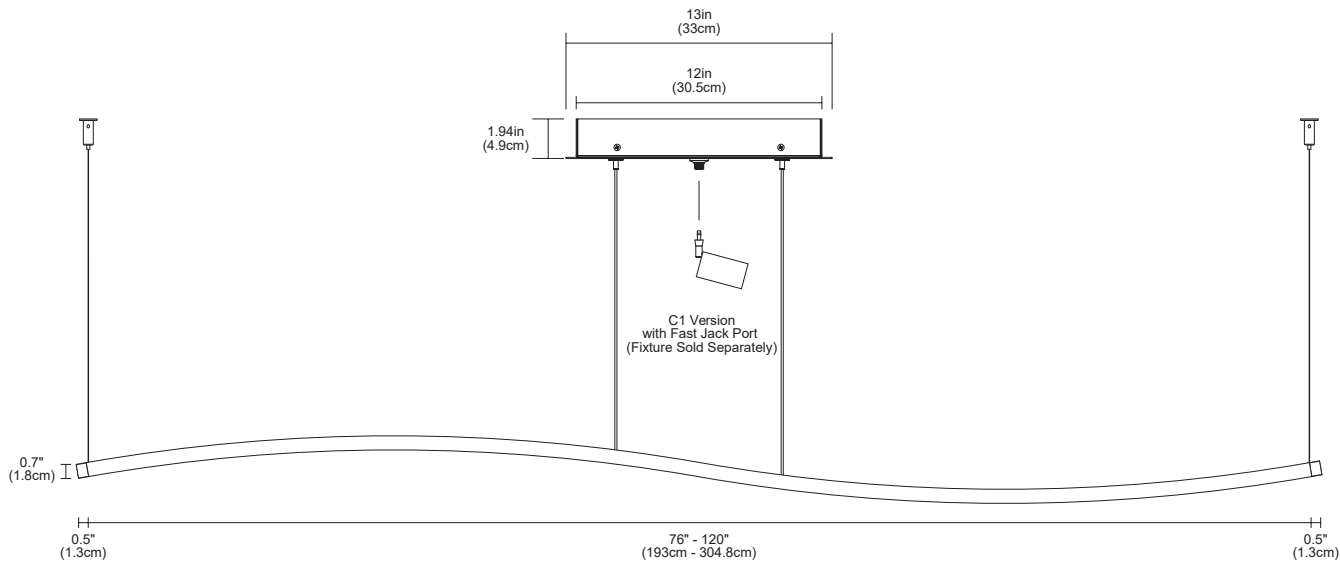
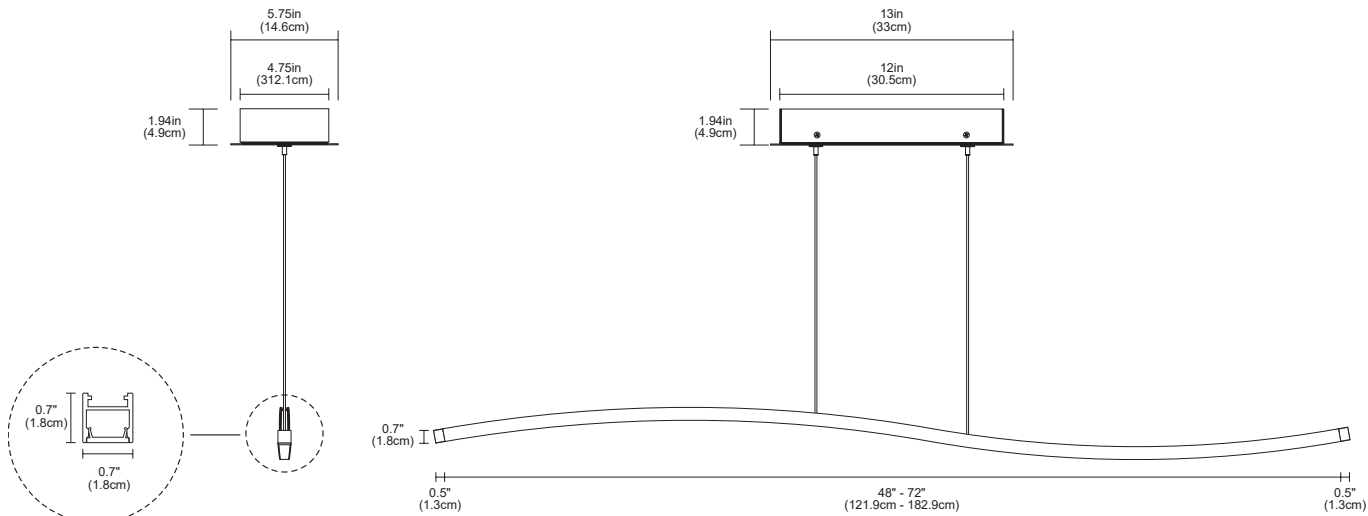


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ZIP WAVE

DYNAMIC/TUNABLE DOWNLIGHT WITH POWER - CENTER FEED

Drawings: Dimension drawings for the Zip Wave Suspension Downlight with Power - Center Feed fixtures

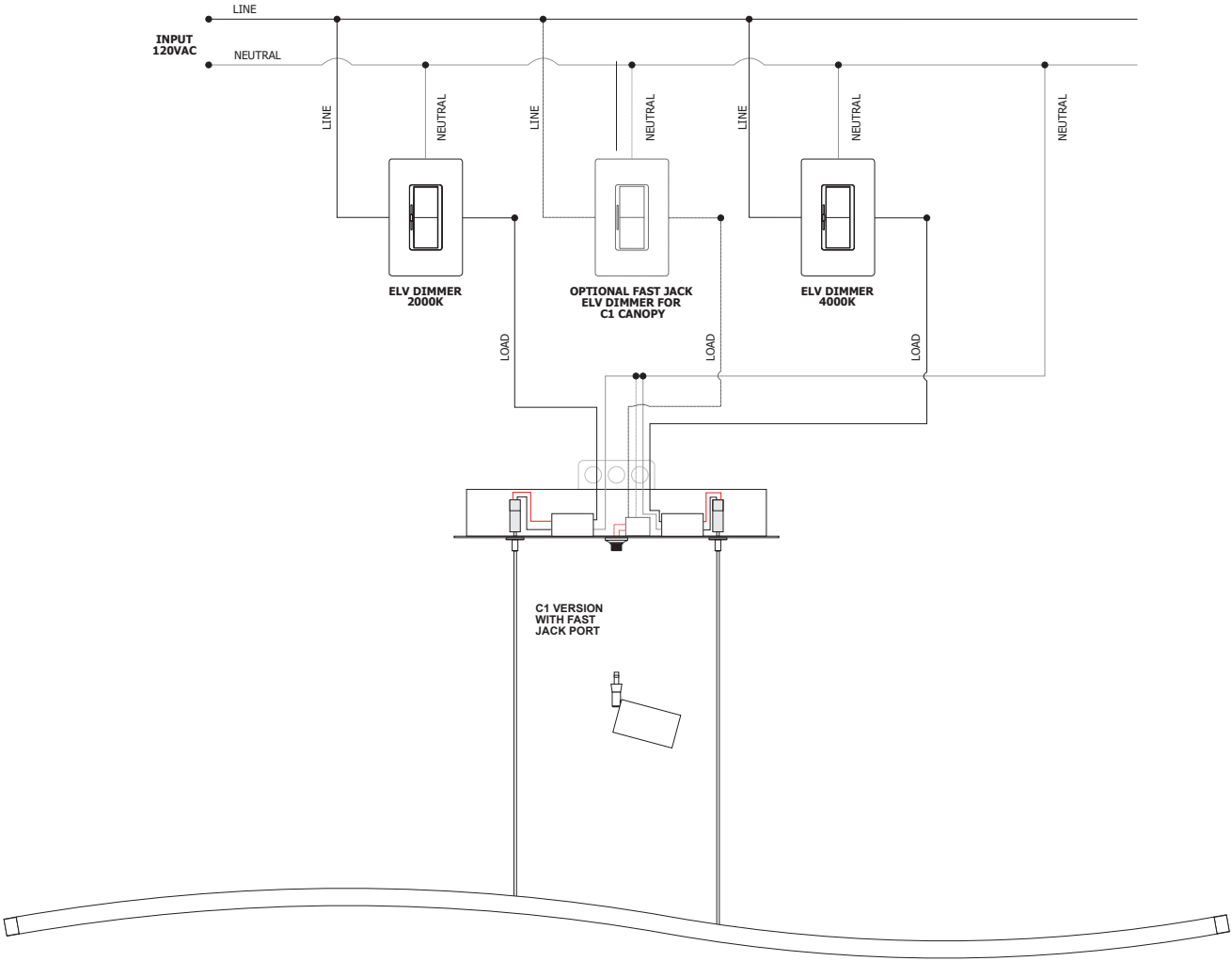


FOR FIXTURES OVER 6FT

PROJECT		FIXTURE TYPE		DATE	
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Drawings: Dimension drawings for the Zip Wave Suspension Downlight with Power - Center Feed fixtures

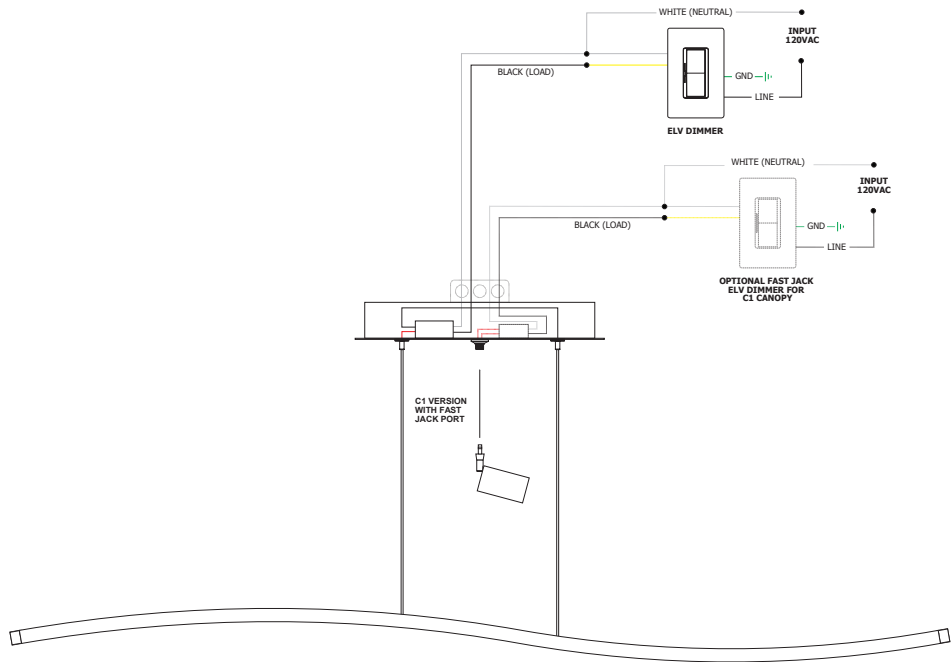
Dimming for Tunable White 2K4K



PROJECT		FIXTURE TYPE		DATE	
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Wiring Diagram: Wiring diagram for dual ELV Dimmers

- Application:** ELV dimming for Zip Wave Suspension Downlight with Power, Center Feed Canopy with Fast Jack Port (C1)
Dimming: Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU;
 Lutron: Diva DVELV-300P, Skylark SELVz-300P, Maestro MAELV-600 and Radio Ra 2



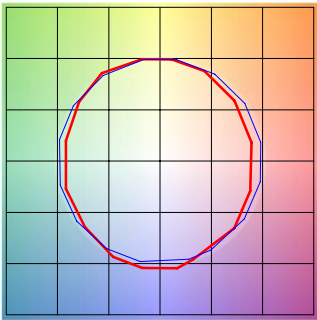
PROJECT		FIXTURE TYPE		DATE	
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SUSPENSION TM30 DATA
DYNAMIC/TUNABLE DOWNLIGHT WITH POWER - CENTER FEED

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

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

Color Vector Graphic

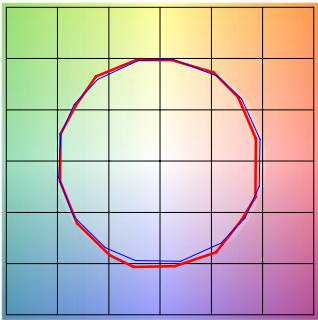


Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 2000K ONLY (2K4K).

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

Color Vector Graphic

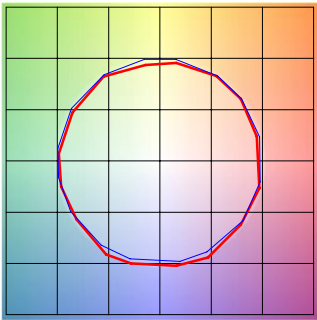


Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 3000K (2K4K).

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

Color Vector Graphic



Test Reference

Table with 4 columns: HUE BIN, Rf, CHROMA, HUE. Rows 1-16 showing color shift data for 4000K ONLY (2K4K).

UNI INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC UNIVERSAL DIMMING WITH ELV, 0-10V, TRIAC | DYNAMIC TUNABLE WHITE TECHNOLOGY

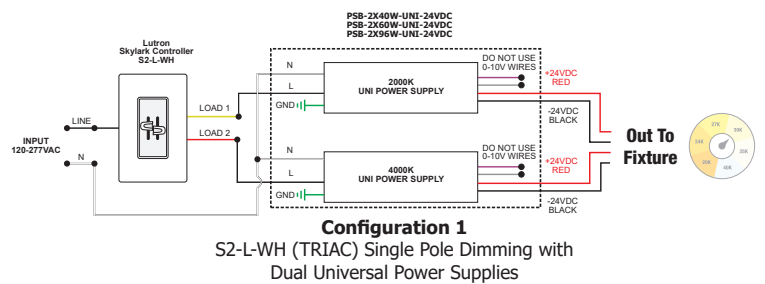
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODE	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
				
SPECIFICATIONS				
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC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

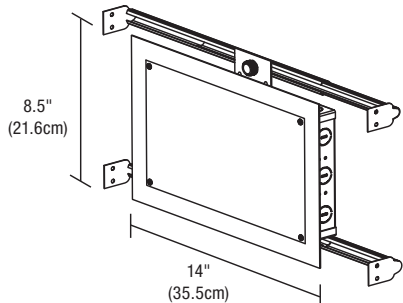
- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
 - Triac Dimmer: (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
 - ELV Dimmer: (Reverse Phase) Dimming of Electronic Low Voltage Transformers 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



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

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INDOOR CONSTANT VOLTAGE REMOTE POWER SUPPLIES

24VDC, LUTRON ECOSYSTEM

REV 07.21.20

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	•	•	•

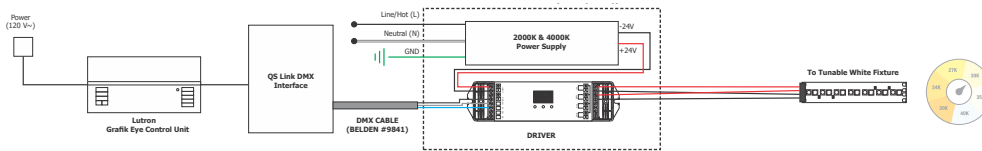
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

*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.

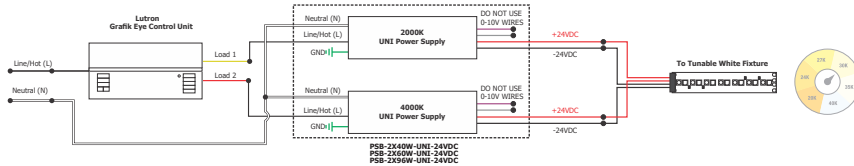
**Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.

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.

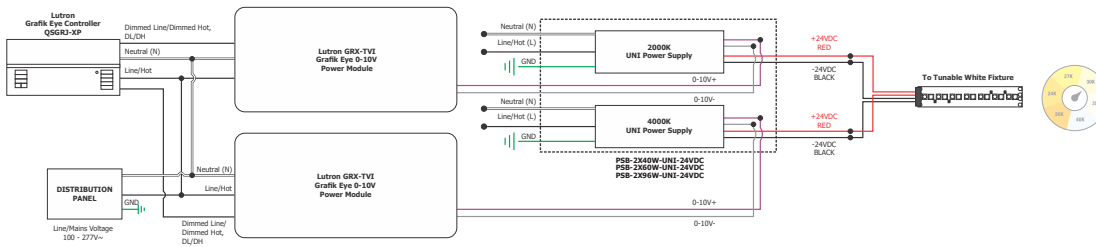
WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit



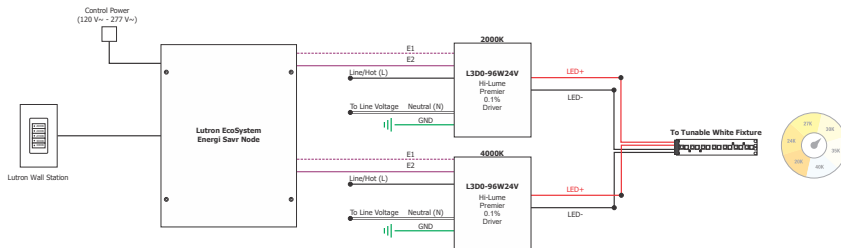
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



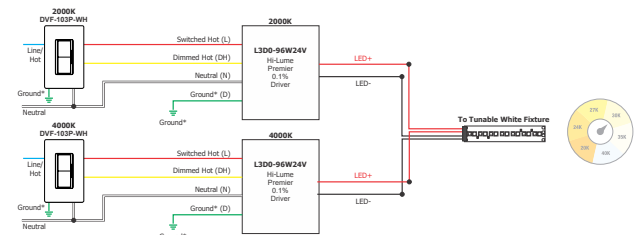
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



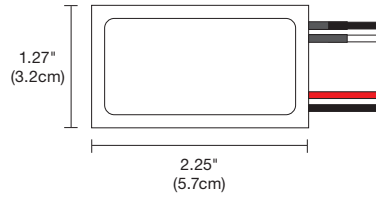
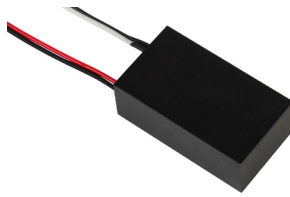
WIRING DIAGRAM: 2-Wire EcoSystem Panel



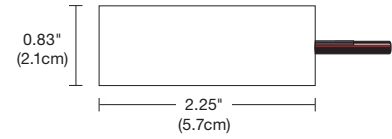
WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



PROJECT	FIXTURE TYPE	DATE
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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*

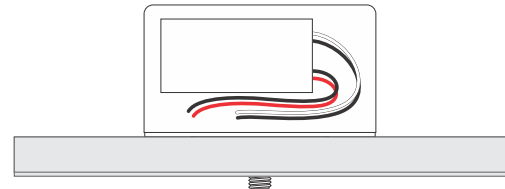
To avoid overheating the power supply, install it in a ventilated remote location where air flows. Maintain proper spacing among power supplies when multiple power supplies are installed in the same remote location.

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

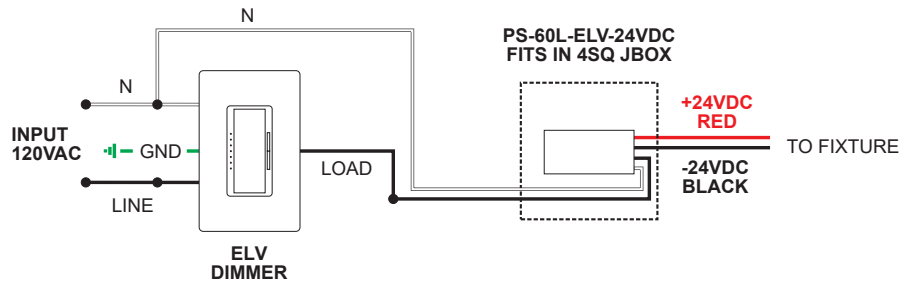


Product	Wattage	Dimming	Voltage
PS	60L	ELV	24VDC
PS Power Supply	60W 60 Watt	ELV Electronic Low Voltage	24VDC 24 Volt DC

SAMPLE WIRING DIAGRAMS 24VDC ELV

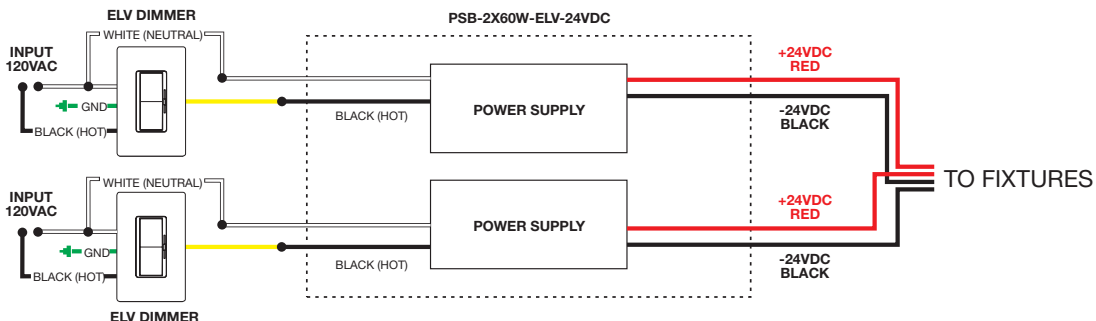
Application: ELV dimming for Static White

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



Application: Dual ELV dimming for Dynamic/Tunable White 2000K-4000K

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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ZIP WAVE

DYNAMIC/TUNABLE DOWNLIGHT WITH POWER - CENTER FEED



FJ-SCO-1-PN
Fast Jack Scope LED
9W, 315 lumens 3000K
(adjustable beam spread
from 20°-50°)
Fixture Finishes: SN, PN, BZ, WH



FJ-PST-SP-1-30K-SN
Fast Jack Piston
9W, 650 lumens
SP 15°, NF 25°, FL 35°
& WF 45° Beam Spreads
Fixture Finishes: SN, WH



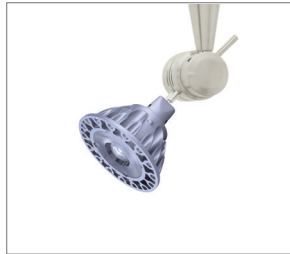
FJ-FOR-SQ-3-PN
FJ-FOR-RD-3-PN
Fast Jack Form Round or Square
Fixture Finishes: SN, PN



FJ-FOR-2RD-3-SN
FJ-FOR-2SQ-3-SN
Fast Jack Form
Round or Square 2-Head
Fixture Finishes: SN, PN



FJ-REB-1-PN
Fast Jack Rebel
Fixture Finishes: SN, PN, BZ, WH



FJ-CHO-1-SN
Fast Jack Chopper with LED
Fixture Finishes: SN, PN, BZ



FJ-SPI-3-PN with S1-PN
Fast Jack Spirit, S1 Shade
Fixture Finishes: SN, PN, BZ
S1 Shade Finishes: SN, PN, BZ, BK



FJ-LOW-1-SN with S1-SN
Fast Jack Low Rider, S1 Shade
Fixture Finishes: SN, PN, BZ
S1 Shade Finishes: SN, PN, BZ, BK

FAST JACK FIXTURE & SHADE FINISHES

SN	Satin Nickel	PN	Polished Nickel	BZ	Antique Bronze	WH	White	BK	Black
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PROJECT		FIXTURE TYPE		DATE	
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12VAC LED MR16

REV 07.21.20

SOL LIGHT WARM DIM

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CCT Warm Dim	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	MR16-12V-8W-NF-27KWD-SL	8	97+	85	24	30,000	2700K dims to 1800K	390	50	12V	Title 24 Compliant, low flicker <1% CE, UL, NOM	50
	MR16-12V-8W-FL-27KWD-SL	8	97+	85	36	30,000	2700K dims to 1800K	427	55	12V	Title 24 Compliant, low flicker <1% CE, UL, NOM	50
	MR16-12V-8W-NF-30KWD-SL	8	97+	85	24	30,000	3000K dims to 1800K	410	53	12V	Title 24 Compliant, low flicker <1% CE, UL, NOM	50
	MR16-12V-8W-FL-30KWD-SL	8	97+	85	36	30,000	3000K dims to 1800K	450	58	12V	Title 24 Compliant, low flicker <1% CE, UL, NOM	50

SORAA BRILLIANT HIGH LUMEN 2700K COLOR TEMPERATURE

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CBCP	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	SM16-07-10D-827-H1*	8	90	80	10	35,000	8,000	575	77	12V +/- 1.2V	Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	75
	SM16-07-25D-827-H1	8	90	80	25	35,000	3,710	600	80	12V +/- 1.2V	Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	75
	SM16-07-36D-827-H1	8	90	80	36	35,000	1,550	600	80	12V +/- 1.2V	Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	75

*Use with Snap Lens

SORAA VIVID 2700K COLOR TEMPERATURE INDOOR/OUTDOOR

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CCT Warm Dim	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	SM16-07-10d-927-03*	8	95	95	10	35,000	5,710	390	52	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50
	SM16-07-25D-927-03	8	95	95	25	35,000	2,260	410	55	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50
	SM16-07-36D-927-03	8	95	95	36	35,000	1,070	410	55	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50

*Use with Snap Lens

SORAA HEALTHY

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CCT Warm Dim	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	SH-MR16-07-36D-27-01-X2	8	80	90	36	25,000	1,020	400	53	12V +/- 1.2V	UL/CUL, FCC Title 47 Part 15B, RoHS	50

SORAA BRILLIANT HIGH LUMEN 3000K COLOR TEMPERATURE

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CBCP	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	SM16-07-10D-830-H1*	8	90	80	10	35,000	8,400	600	80	12V +/- 1.2V	Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	75
	SM16-07-25D-830-H1	8	90	80	25	35,000	3,300	630	84	12V +/- 1.2V	Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	75
	SM16-07-36D-830-H1	8	90	80	36	35,000	1,650	630	84	12V +/- 1.2V	Title 20 certification pending, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	75

*Use with Snap Lens

PROJECT		FIXTURE TYPE		DATE	
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12VAC LED MR16

REV 07.21.20

SORAA VIVID 3000K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CCT Warm Dim	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	SM16-07-10D-930-03*	8	95	95	10	35,000	6,000	410	55	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50
	SM16-07-25D-930-03	8	95	95	25	35,000	2,400	435	58	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50
	SM16-07-36D-930-03	8	95	95	36	35,000	1,130	435	58	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50

*Use with Snap Lens

SORAA VIVID 4000K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CBCP	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	SM16-07-10D-940-03*	8	95	95	10	35,000	6,290	430	57	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50
	SM16-07-25D-940-03	8	95	95	25	35,000	2,510	455	61	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50
	SM16-07-36D-940-03	8	95	95	36	35,000	1,190	455	61	12V +/- 1.2V	JA8-2016-E, UL/CUL Class 2 and non-Class 2, FCC Title 47 Part 15B, RoHS, CE	50

*Use with Snap Lens

SATCO 3500K COLOR TEMPERATURE MR16 INDOOR/OUTDOOR

Brand	Ordering Code	Watts	CRI	R9	Beam Angle (Degrees)	Lamp Life (Hours)	CBCP	Total Lumens	Lumens Per Watt	Voltage	Certification	Halogen Equivalent
	S8637	8	90+	N/A	15	25,000	6,290	430	61	12	UL/CUL, FCC Title 47 Part 15B, RoHS, Lawful for sale in California	75
	S8642	8	90+	N/A	40	25,000	2,510	455	61	12	UL/CUL, FCC Title 47 Part 15B, RoHS, Lawful for sale in California	75

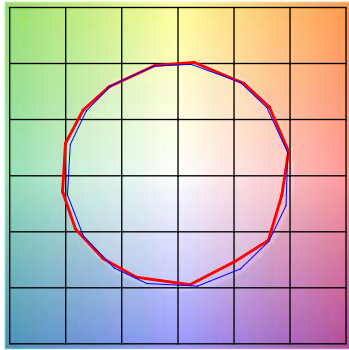
8MR16/LED/40°/35K/90CRI/12V 8 watt; LED MR16; 3500K; 40° beam spread; GU5.3 base; 12 volts. Features: Silver back MR16 reflector. Direct replacements for 75 watt Halogen lamps - uses only 8 watts. Dimmable. No UV or IR radiation. Approved for enclosed fixtures.

PROJECT		FIXTURE TYPE		DATE	
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SORAA VIVID MR16 36° FL

3000K | Rf: 90.4 | Rg: 99.5

Color Vector Graphic



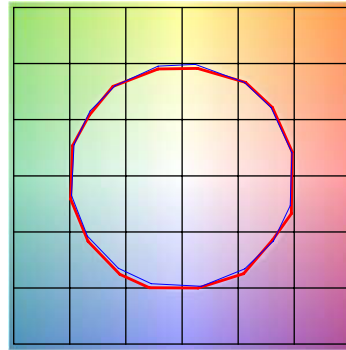
■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	94.4	1.0%	0.8%
2	94.6	2.1%	-1.1%
3	91.9	1.1%	-3.3%
4	91.9	2.1%	-2.1%
5	93.9	0.4%	-0.9%
6	95.2	0%	1.9%
7	93.4	2.7%	-0.7%
8	92.7	4.2%	0.1%
9	90.5	3.6%	-3.9%
10	84.3	2.3%	-9.2%
11	81.3	2.3%	-12.7%
12	81.3	-3.6%	-10.3%
13	90.5	-2.5%	-6.2%
14	88.5	-8.2%	-0.4%
15	96.2	-1.0%	0.3%
16	86.6	-5.4%	8.2%

SOL-LIGHT WARM DIM MR16 36° FL

3000K | Rf: 94.2 | Rg: 101.2

Color Vector Graphic



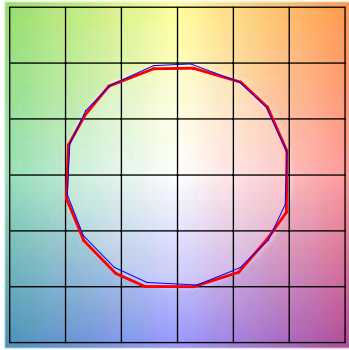
■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	96.0	0.3%	0.7%
2	96.8	0.9%	-0.8%
3	95.6	0.5%	-0.8%
4	93.1	-3.2%	-2.7%
5	95.7	-2.4%	0.4%
6	96.8	0.4%	1.6%
7	92.4	-1.4%	3.5%
8	96.8	1.2%	1.2%
9	94.0	1.4%	3.1%
10	92.6	2.1%	3.9%
11	92.2	3.7%	3.9%
12	92.4	3.9%	-0.9%
13	94.7	0.9%	-3.3%
14	93.4	3.0%	-3.2%
15	93.6	-1.1%	0.9%
16	90.2	2.4%	-6.7%

SORAA VIVID MR16 25° NFL

3000K | Rf: 94.0 | Rg: 101.0

Color Vector Graphic



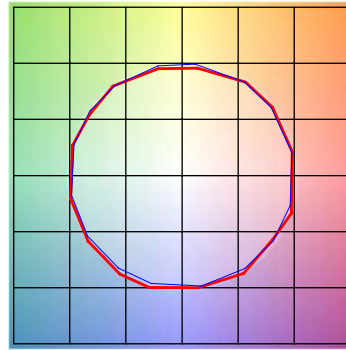
■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.9	0.3%	0.8%
2	96.8	0.8%	-0.9%
3	95.5	0.4%	-0.9%
4	92.7	-3.4%	-2.9%
5	95.6	-2.7%	0.4%
6	96.8	0.1%	1.6%
7	92.2	-1.6%	3.7%
8	96.6	1.1%	1.5%
9	93.7	1.4%	3.3%
10	92.4	2.2%	4.1%
11	92.2	3.8%	3.8%
12	92.4	3.9%	-1.1%
13	94.4	0.8%	-3.6%
14	93.3	2.8%	-3.4%
15	93.4	-1.4%	0.9%
16	90.3	2.2%	-6.7%

SOL-LIGHT WARM DIM MR16 24° NFL

3000K | Rf: 94.2 | Rg: 101.2

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	95.9	0.3%	0.8%
2	96.8	0.8%	-0.9%
3	95.5	0.4%	-0.9%
4	92.7	-3.4%	-2.9%
5	95.6	-2.7%	0.4%
6	96.8	0.1%	1.6%
7	92.2	-1.6%	3.7%
8	96.6	1.1%	1.5%
9	93.7	1.4%	3.3%
10	92.4	2.2%	4.1%
11	92.2	3.8%	3.8%
12	92.4	3.9%	-1.1%
13	94.4	0.8%	-3.6%
14	93.3	2.8%	-3.4%
15	93.4	-1.4%	0.9%
16	90.3	2.2%	-6.7%

PROJECT		FIXTURE TYPE		DATE	
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