

# NOVA UP AND DOWN END FEED

## LED SUSPENSION WITH REMOTE POWER

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 03.30.20



### DESCRIPTION

Nova Suspension Up/Down end feed with Remote 24VDC power supplies (sold separately) is a linear LED fixture that offers both direct light and indirect light in a clean, LED dot-free smooth line of light in a contemporary style. Nova is available in various increments from 12" to 240", a 100° beam spread down-light, and a Clear Frosted 60° Lens up-light, optional louver for reducing glare, and a variety of finishes with Warm Dim, and custom RGB up light options. Fixture includes a 5-year pro-rated warranty.

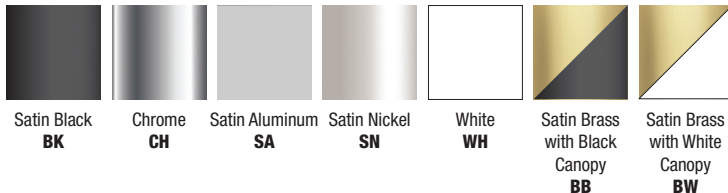
Wattages for this fixture are available in the following options:

- 7W - 2.5 watts per foot Up and 5 watts per foot Down, lengths up to 240" (20ft)
- 10W - 4.4 watts per foot Up and 4.4 watts per foot Down, lengths up to 240" (20ft)
- 12W - 4.4 watts per foot Up and 7.5 watts per foot Down, lengths up to 156" (13ft)

### INSTALLATION

- Includes 12ft power cable and your choice of one or two canopies; one for remote power, one blank - 2R2, 2S2, 4R2, 4S2
- Adjustable 12ft coaxial and aircraft cables included; additional aircraft cables included for support when fixture exceeds 84"
- Remote 120V/24VDC power supplies in various wattages sold separately
- Mounts to a standard junction box, prewired for either 120V with a 60 watt NON-IC (50W-IC) power supply that fits in the ceiling electrical junction box, or from a remote power supply feeding 24VDC up to 100 watts at a maximum of 20ft away

### FINISHES



### LENSES

- Downlight - Diffused White 100° Lens or Clear Frosted 60° Lens both offered with black or white louvers
- Uplight - Clear Frosted 60° Lens

### APPLICATIONS

- Indoor Only - Kitchens, Dining Rooms, Hallways, Conference Rooms, Offices, Architectural, General, Retail

### LAMP

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

### REMOTE POWER SUPPLIES\* & DIMMERS (SOLD SEPARATELY)

- Electronic Low Voltage Dimming (**ELV**)
- 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	Power Canopy	Nominal Size	Color Temperature	Finish
<b>NSUDD</b>	<b>7W</b>	<b>2R</b>	<b>240</b>	<b>22K</b>	<b>SN</b>
<b>NSUDD</b> Nova Suspension Up/Down Diffused Lens	<b>7W</b> 6.9 Watt, 240" (20ft) max length (2.5W up and 4.4W down)	<b>2R</b> 2" Round Canopy	<b>12-240</b> Order in various increments from 12" to 240". Maximum shipping length is 120".	<b>22K</b> 2200K Amber White	<b>SN</b> Satin Nickel
<b>NSUDDW</b> Nova Suspension Up/Down Diffused with White Louver	<b>10W</b> 8.8 Watt, 240" (20ft) max length (4.4W up and 4.4W down)	<b>2S</b> 2" Square Canopy	Maximum shipping length for Chrome is 84".	<b>24K</b> 2400K Very Warm White	<b>CH</b> Chrome
<b>NSUDDB</b> Nova Suspension Up/Down Diffused with Black Louver	<b>12W</b> 11.9 Watt, 156" (13ft) max length (4.4W up and 7.5W down)	<b>4R</b> 4" Round Canopy	*See length chart for exact dimensions (pg. 17-18)	<b>27K</b> 2700K Incandescent White	<b>SA</b> Satin Aluminum
<b>NSUDCW</b> Nova Suspension Up/Down Clear Frosted Lens with White Louver		<b>4S</b> 4" Square Canopy		<b>27D</b> 2700K Warm Dim (10W only)	<b>BK</b> Satin Black
<b>NSUDCB</b> Nova Suspension Up/Down Clear Frosted Lens with Black Louver		<b>2R2</b> 2 x 2.8" Round Canopies		<b>30K</b> 3000K Warm White	<b>WH</b> White
		<b>2S2</b> 2 x 2.8" Square Canopies		<b>30D</b> 3000K Warm Dim (10W only)	<b>BB</b> Satin Brass with Black Canopy
		<b>4R2</b> 2 x 4.6" Round Canopies		<b>35K</b> 3500K Neutral White	<b>BW</b> Satin Brass with White Canopy
		<b>4S2</b> 2 x 4.6" Square Canopies		<b>40K</b> 4000K Cool White	
		<b>VR</b> Vanishing Point		<b>57K</b> 5700K Daylight White	

PROJECT		FIXTURE TYPE		DATE	
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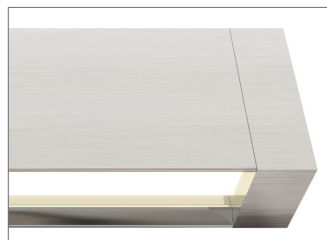
**Length Chart:** Actual lengths for Nova Suspension Up/Down - Remote Power Supply.

22K, 27K, 30K, 35K, 40K & 57K					
ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)
12	13.4	13.4	130	131.4	131.4
15	15.8	15.8	132	133.8	133.8
17	18.2	18.2	135	136.2	136.2
20	20.6	20.6	137	138.6	138.6
22	23.0	23	140	141	141
24	25.4	25.4	142	143.4	143.4
27	27.8	27.8	144	145.8	145.8
29	30.2	30.2	147	148.2	148.2
32	32.6	32.6	149	150.6	150.6
34	35.0	35	152	153	153
36	37.4	37.4	154	155.4	155.4
39	39.8	39.8	156 (Max Length For 12W)	157.8	157.8
41	42.2	42.2	159	160.2	160.2
44	44.6	44.6	161	162.6	162.6
46	47.0	47	164	165	165
48	49.4	49.4	166	167.4	167.4
51	51.8	51.8	168	169.8	169.8
53	54.2	54.2	171	172.2	172.6
56	56.6	56.6	173	174.6	175
58	59.0	59	176	177	177.4
60	61.4	61.4	178	179.4	179.8
63	63.8	63.8	180	181.8	182.2
65	66.2	66.2	183	184.2	184.6
68	68.6	68.6	185	186.6	187
70	71.0	71	188	189	189.4
72	73.4	73.4	190	191.4	191.8
75	75.8	75.8	192	193.8	194.2
77	78.2	78.2	195	196.2	196.6
80	80.6	80.6	197	198.6	199
82	83.0	83	200	201	201.4
84 (Max shipping length for Chrome)	85.4	85.4	202	203.4	203.8
87	87.8	88.2	204	205.8	206.2
89	90.2	90.6	207	208.2	208.6
92	92.6	93	209	210.6	211
94	95.0	95.4	212	213	213.4
96	97.4	97.8	214	215.4	215.8
99	99.8	100.2	216	217.8	218.2
101	102.2	102.6	219	220.2	220.6
104	104.6	105	221	222.6	223
106	107.0	107.4	224	225	225.4
108	109.4	109.8	226	227.4	227.8
111	111.8	112.2	228	229.8	230.2
113	114.2	114.6	231	232.2	232.6
116	116.6	117	233	234.6	235
118	119	119.4	236	237	237.4
120	121.4	121.8	238	239.4	239.8
123	124.2	124.2	240	241.8	242.2
125	126.6	126.6			
128	129	129			

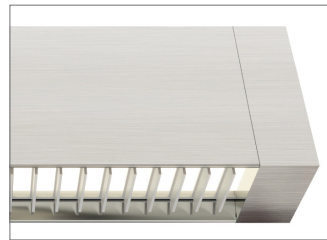
PROJECT		FIXTURE TYPE		DATE	
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**Length Chart:** Actual lengths for Nova Suspension Up/Down - Remote Power Supply.

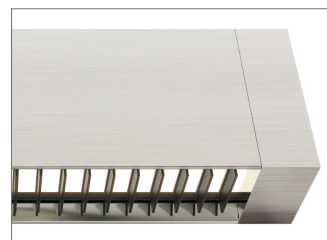
27D & 30D					
ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)	ORDERING CODE (NOMINAL SIZE)	ACTUAL LENGTH (INCHES)	ACTUAL LENGTH (CHROME)
12	13.4	13.4	129	130.8	130.8
15	16.4	16.4	132	133.8	133.8
18	19.4	19.4	135	136.8	136.8
21	22.4	22.4	138	139.8	139.8
24	25.4	25.4	141	142.8	142.8
27	28.4	28.4	144	145.8	145.8
30	31.4	31.4	147	148.8	148.8
33	34.4	34.4	150	151.8	151.8
36	37.4	37.4	153	154.8	154.8
39	40.4	40.4	156	157.8	157.8
42	43.4	43.4	159	160.8	160.8
45	46.4	46.4	162	163.8	163.8
48	49.4	49.4	165	166.8	166.8
51	52.4	52.4	168	169.8	169.8
54	55.4	55.4	171	172.8	173.2
57	58.4	58.4	174	175.8	176.2
60	61.4	61.4	177	178.8	179.2
63	64.4	64.4	180	181.8	182.2
66	67.4	67.4	183	184.8	185.2
69	70.4	70.4	186	187.8	188.2
72	73.4	73.4	189	190.8	191.2
75	76.4	76.4	192	193.8	194.2
78	79.4	79.4	195	196.8	197.2
81	82.4	82.4	198	199.8	200.2
84	85.4	85.4	201	202.8	203.2
87	88.4	88.8	204	205.8	206.2
90	91.4	91.8	207	208.8	209.2
93	94.4	94.8	210	211.8	212.2
96	97.4	97.8	213	214.8	215.2
99	100.4	100.8	216	217.8	218.2
102	103.4	103.8	219	220.8	221.2
105	106.4	106.8	222	223.8	224.2
108	109.4	109.8	225	226.8	227.2
111	112.4	112.8	228	229.8	230.2
114	115.4	115.8	231	232.8	233.2
117	118.4	118.8	234	235.8	236.2
120	121.4	121.8	237	238.8	239.2
123	124.8	124.8	240	241.8	242.2
126	127.8	127.8			



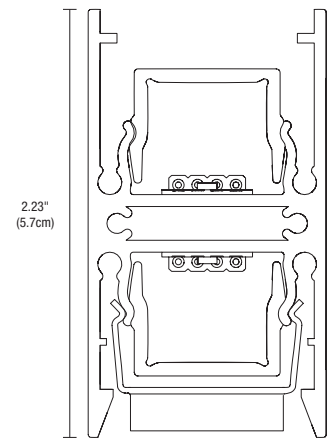
Shown without Louver



Shown with White Louver



Shown with Black Louver



Uplight shown without Louver  
Downlight shown with louver  
(Shown Actual Size)

PROJECT	FIXTURE TYPE	DATE
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# NOVA UP AND DOWN END FEED

## LED SUSPENSION WITH REMOTE POWER

### Lamp Data: Lamp data for Uplight Channel

DESCRIPTION	NSUDD, NSUDDW, NSUDDB, NSUDCW, NSUDCB															
	60 Degree Diffused Clear Frosted Lens without Louver - Uplight															
WATTS PER FOOT	2w (2.5 watts)								5w (4.4 watts)							
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	27D*	30K	30D*	35K	40K	57K
LUMENS PER FOOT (lm/ft)	126	140	154	168	192	209	222	242	268.5	295	267	322	292	369	401	427
LUMENS PER WATT (lm/w)	50	55.5	61	67	77	84	89	55	61	67	56	73	61	84	91	97
CRI	85+	90+	95+	95+	85+	84	84	85+	90+	95+	95+	95+	95+	85+	84	84

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

### Lamp Data: Lamp data for Downlight Channel

DESCRIPTION	NSUDD															
	100 Degree Diffused White Lens without Louver															
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	201	223	245	302	268	330	307	334	355	320	355	390	426	488	531	565
LUMENS PER WATT (lm/w)	46	51	56	63	61	69	70	76	81	44	48.5	53	58	67	73	77
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

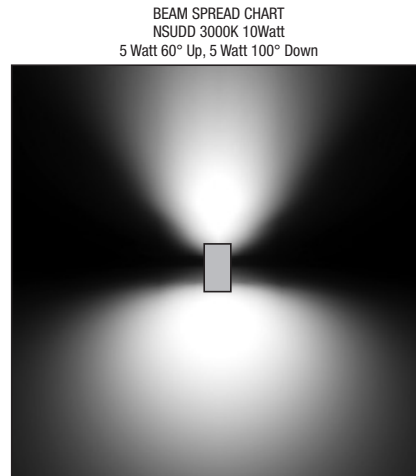
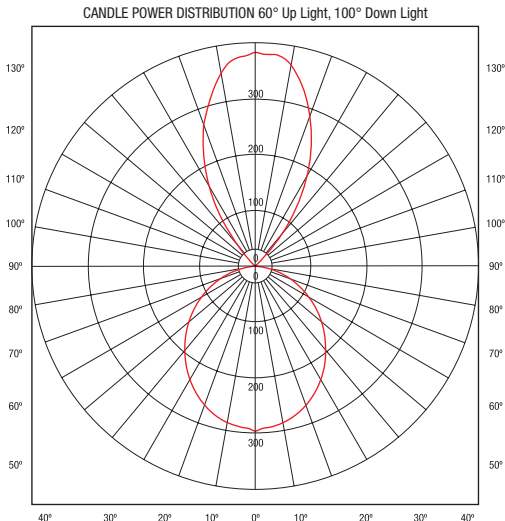
DESCRIPTION	NSUDDW															
	100 Degree Diffused White Lens with White Louver															
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	141	156.5	172	212	188	231	215	234	249	224	248.5	273	298	342	371	395
LUMENS PER WATT (lm/w)	32	35.5	39	44	43	48	49	53	57	31	34	37	41	47	51	54
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

DESCRIPTION	NSUDDB															
	100 Degree Diffused White Lens with Black Louver															
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	88	98	108	132	118	145	135	146	156	140	155.5	171	187	214	232	247
LUMENS PER WATT (lm/w)	20	22	24	28	27	30	31	33	35	19	21	23	26	29	32	34
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

DESCRIPTION	NSUDCW															
	60 Degree Clear Frosted Lens with White Louver															
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	169	187.5	206	254	226	278	258	281	299	269	298.5	328	358	410	446	475
LUMENS PER WATT (lm/w)	38	42.5	47	53	51	58	59	64	68	37	41	45	49	56	61	65
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

DESCRIPTION	NSUDCB															
	60 Degree Clear Frosted Lens with Black Louver															
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)							
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	106	117.5	129	159	141	174	162	176	187	168	186.5	205	224	257	279	297
LUMENS PER WATT (lm/w)	24	26.5	29	33	32	36	37	40	43	23	25.5	28	31	35	38	41
CRI	85+	90+	95+	95+	95+	95+	85+	84	84	85+	90+	95+	95+	85+	84	84

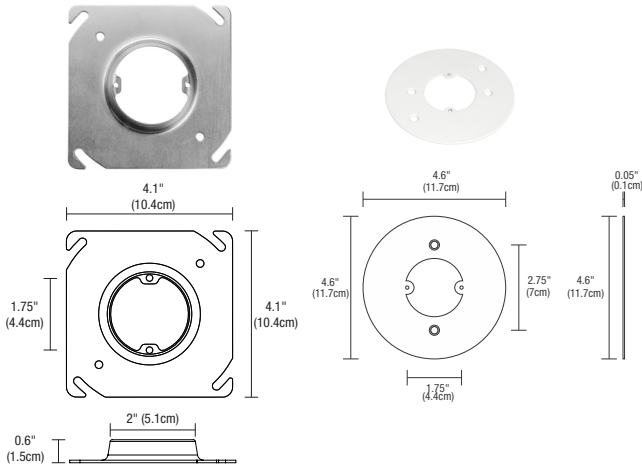
\*27D, 30D - Warm Dim (4.8 Watts)



PROJECT		FIXTURE TYPE		DATE	
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# NOVA UP AND DOWN END FEED LED SUSPENSION WITH REMOTE POWER

**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.



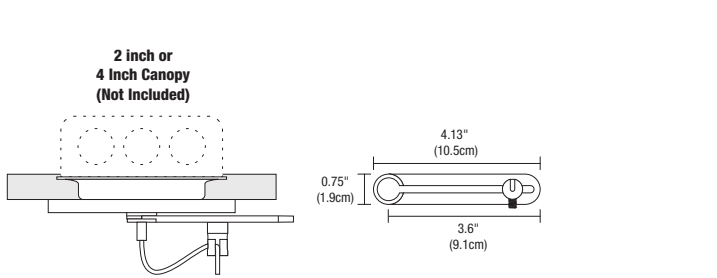
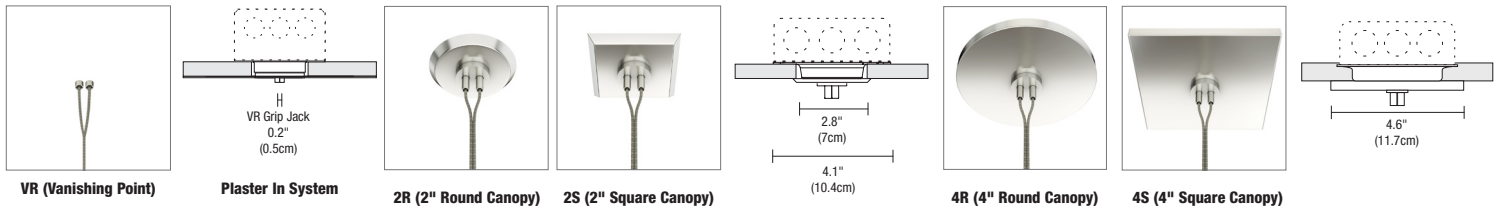
## NEW CONSTRUCTION AND REMODEL 2" COVER FOR 4" SQ JUNCTION BOX

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
<b>NC2</b>	<b>JBOX</b>
NC2 New Construction 2"	JBOX JBox Cover
RM2 Remodel Plaster Plate	

## NOVA REMOTE POWER CANOPIES (INCLUDED)

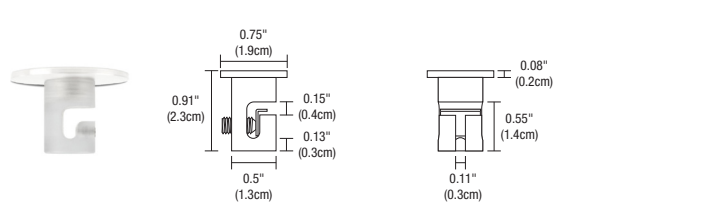
Canopies are included with Canopy ordering code. The 2" Round and Square Canopy includes a special Plaster Ring NC2-JBOX (above). The 4" Square or Round Canopy fits on a standard 4" Electrical Box with Round Plaster Ring and the PS-60L-ELV-24VDC 50 Watt IC, 60 Watt Non-IC) will fit inside the NC2 or 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).

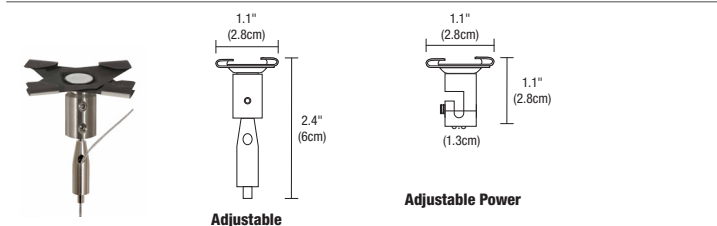
Product	Type	Finish
<b>CS</b>	<b>ADJ-SWAG</b>	<b>SN</b>
CS Channel Suspension	ADJ-SWAG Adjustable Swag Hook for Static White ADJ-DP-SWAG Dual Post Adjustable Swag Hook for 2K4K & RGB	SN Satin Nickel



## 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
<b>CS</b>	<b>SWAG</b>
CS Channel Suspension	SWAG Swag Hook



## NOVA SUSPENSION ADJUSTABLE T-BAR CLIP

Nova Suspension Adjustable T-Bar Clip mounts to T-Bar grid ceilings. Available in Satin Nickel hardware as adjustable power and non-power versions.

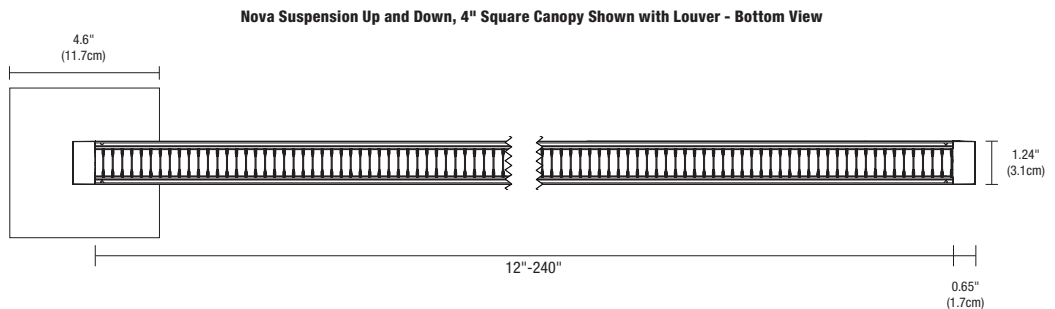
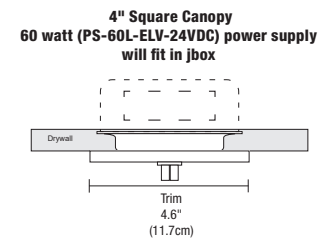
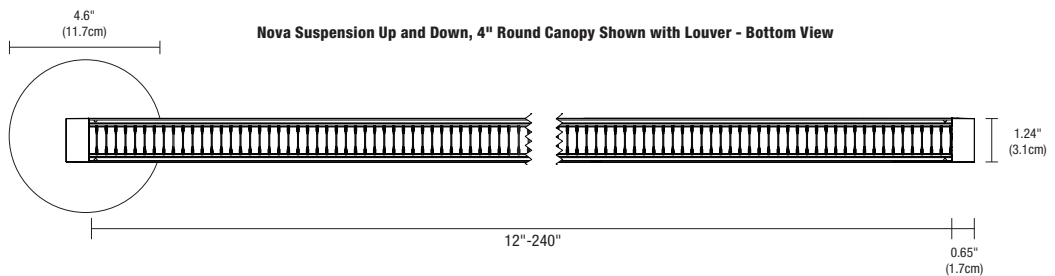
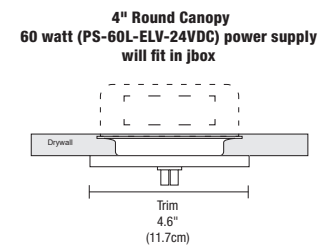
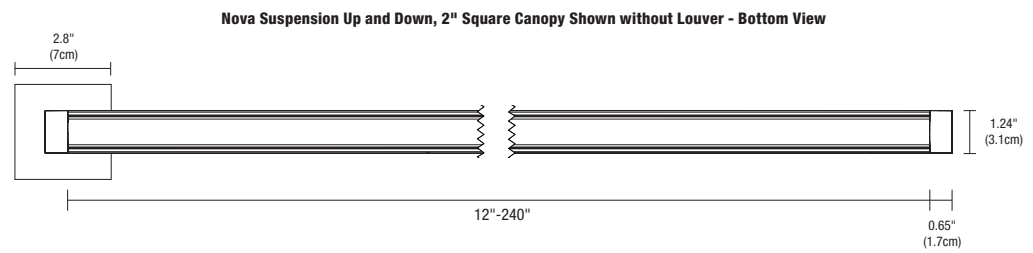
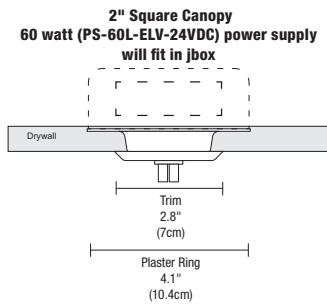
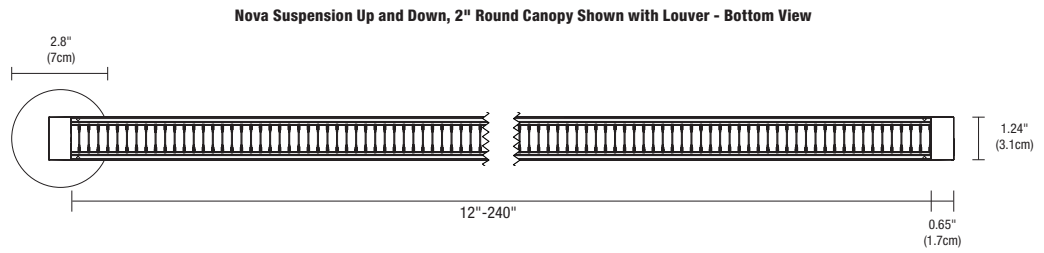
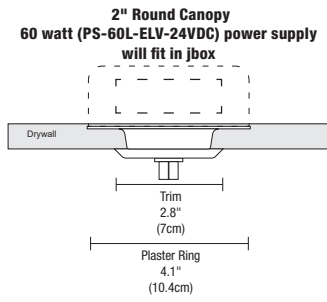
Product	Type	Options	Finish
<b>CS</b>	<b>TBAR</b>	<b>A</b>	<b>W</b>
CS Channel Suspension	TBAR 9/16" and 15/16"	A Adjustable AP Adjustable Power	W White BK Satin Black

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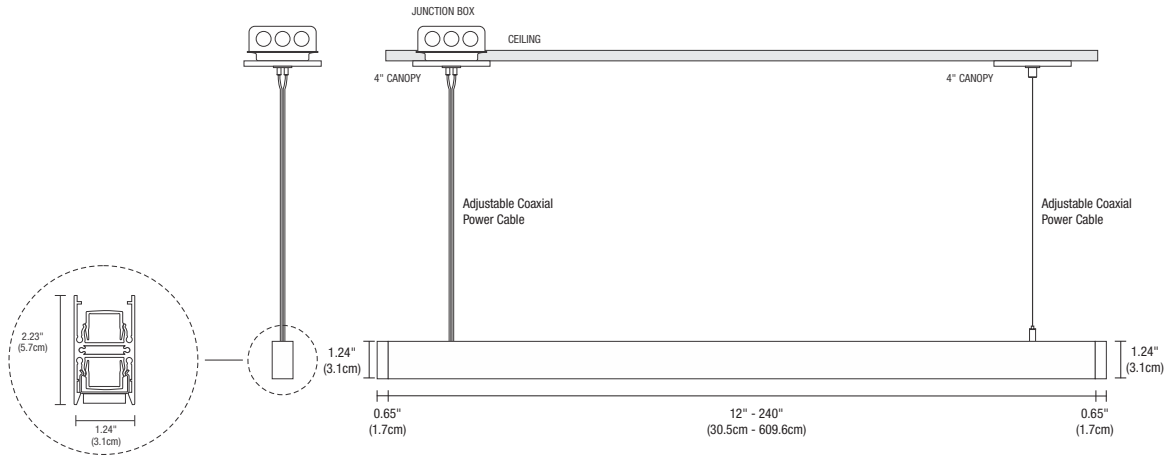
**Drawings:** Drawings are shown with 2 inch round canopy, 2 inch square canopy, 4 inch round canopy, and 4 inch square canopy



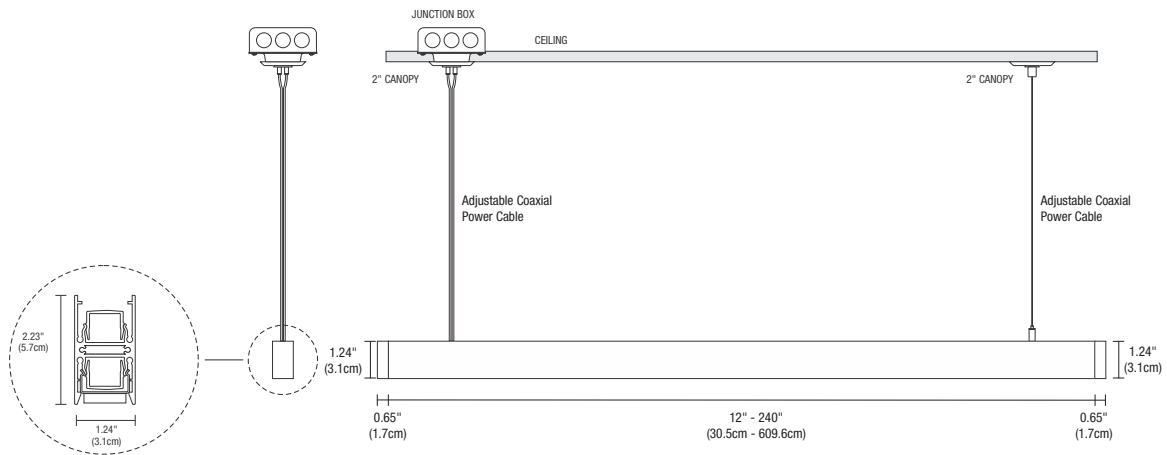
PROJECT		FIXTURE TYPE		DATE	
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**Drawings:** Side-view shown with two 2 and 4 inch canopies; one for remote power, one blank

**Nova Suspension Up and Down with Remote Power 4R2, 4S2, 4" Canopy Shown with Louver - Side View**



**Nova Suspension Up and Down with Remote Power 2R2, 2S2, 2" Canopy Shown with Louver - Side View**



PROJECT	FIXTURE TYPE	DATE
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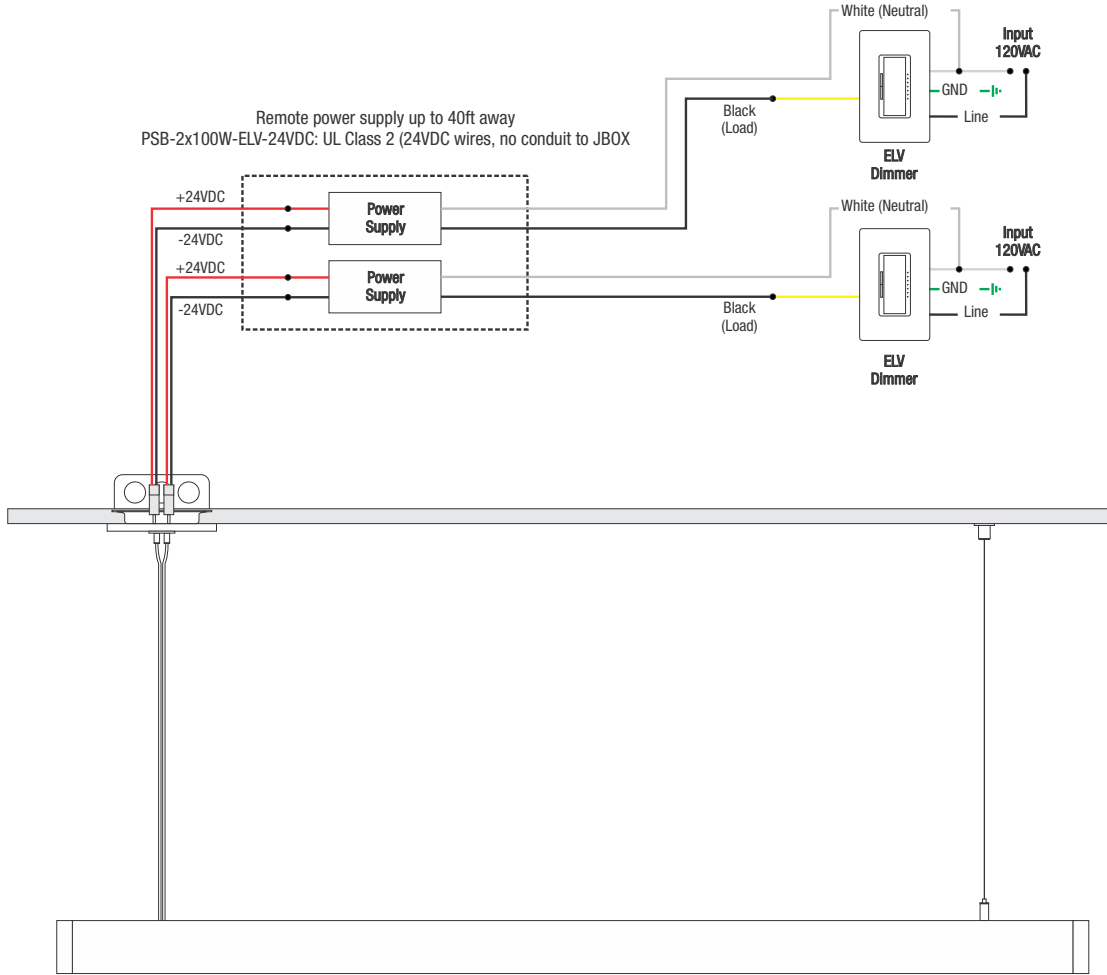
# NOVA UP AND DOWN END FEED

## LED SUSPENSION WITH REMOTE POWER

**Wiring Diagram:** Wiring diagram for Static White with Dual ELV Dimmers

**Application:** ELV dimming for Nova Suspension Up and Down with Remote Power - End Feed Canopy, 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



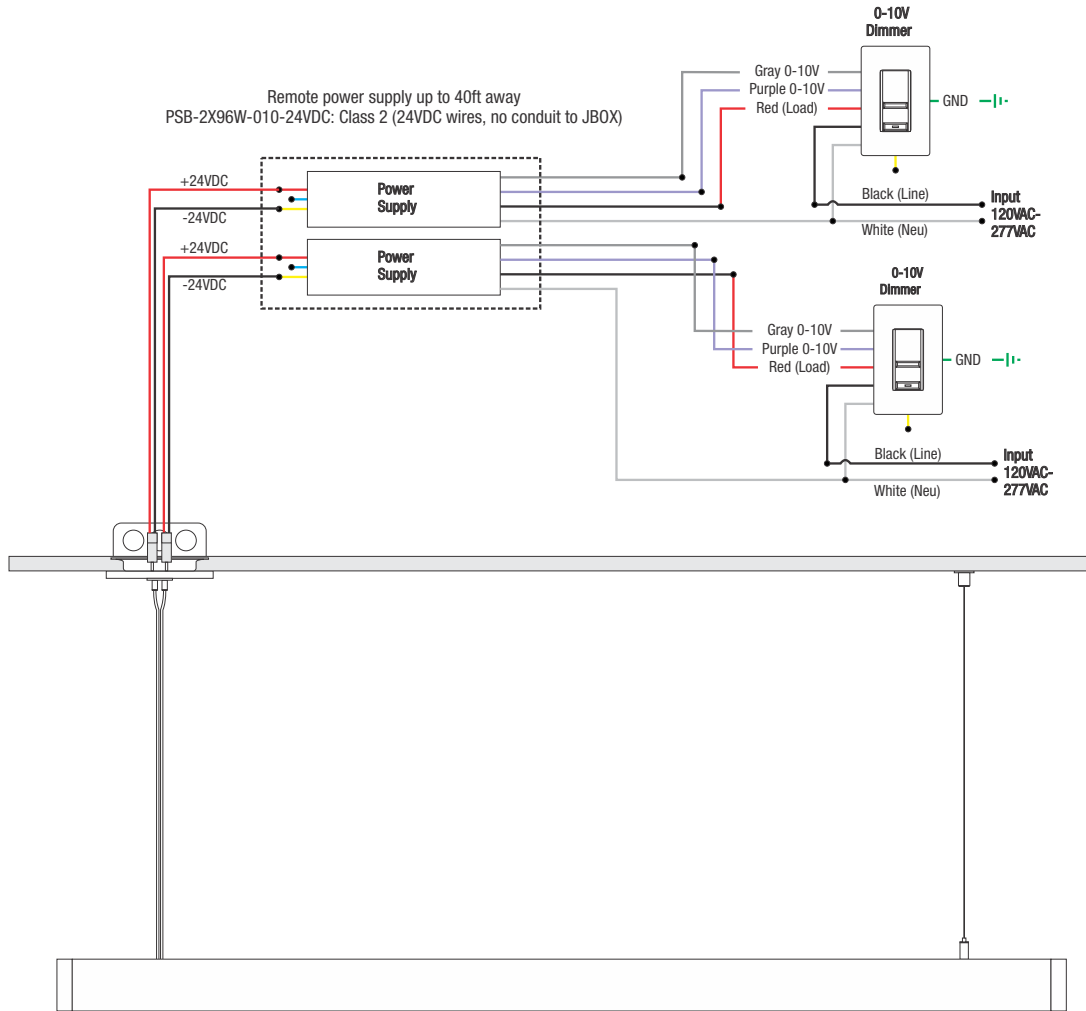
# NOVA UP AND DOWN END FEED

## LED SUSPENSION WITH REMOTE POWER

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

**Application:** 0-10V dimming for Nova Suspension Up and Down with Remote Power - End Feed Canopy, Static White

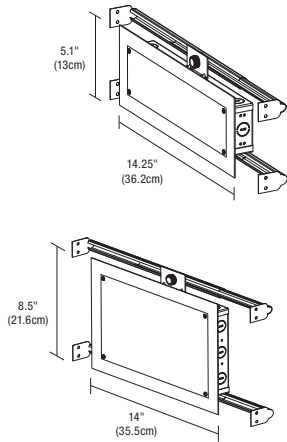
**Dimming:** Dimmable with 0-10 dimmer: Philips: Sunrise SR1200ZTUNV; Lutron: Diva DDTV-WH, Nova-T NTSTV-DV-XX, Grafix Eye QS QSGRJ-XP, Radio RA2 RRD-1-ND; Leviton: LEV40050, IP710-LFZ; Legrand ADPD4FBL3P2W4



PROJECT	FIXTURE TYPE	DATE
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**IN WALL MOUNTING OPTIONS**



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

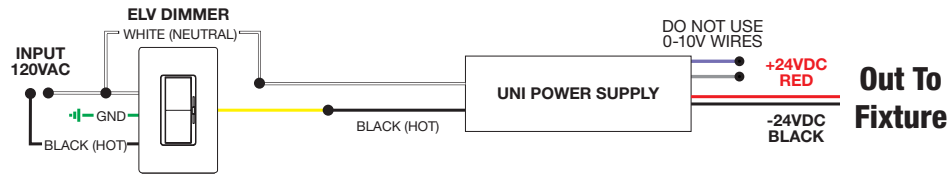
**Ordering Codes 5.1 x 14.25 inch:** PSB-40W-UNI-24VDC-IW  
PSB-60W-UNI-24VDC-IW  
PSB-96W-UNI-24VDC-IW

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

**WIRING DIAGRAMS UNIVERSAL POWER SUPPLY**

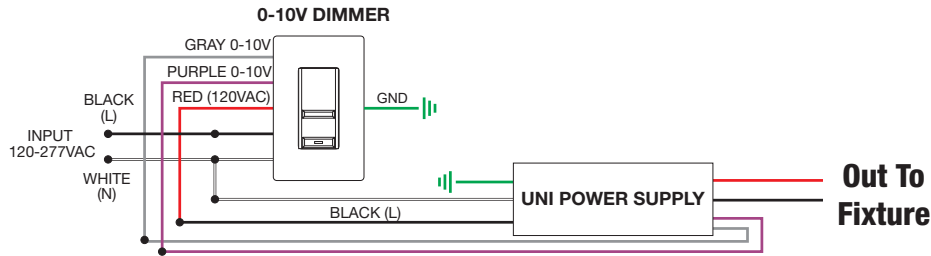
**Application:** ELV dimming for Static White and Warm Dim

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



**Application:** 0-10V dimming for Static White

**Dimming:** Dimmable with 0-10V dimmer: Philips Sunrise: SR1200ZTUNV; Lutron Diva: DVTV-WH, DVSTV-WH; Lutron Nova T: NTSTV-DV-XX; Lutron Grafix EYE QS: QSGRJ-XP; Lutron Radio Ra2: RRD-10ND; Leviton: LEV40050; Leviton IP710-LFZ; Legrand: ADPD4FBL3P2W4



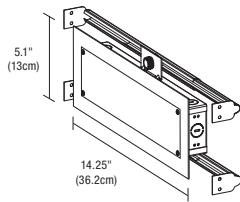
PROJECT		FIXTURE TYPE		DATE	
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ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS <sup>†‡</sup>				
ORDERING CODES	PSB-60L-ELV-24VDC 	PSB-60W-ELV-24VDC 	PSB-2X60W-ELV-24VDC 	PSB-100W-ELV-24VDC 
SPECIFICATIONS				
MAXIMUM LOAD	60W NON-IC, 50W-IC (FITS IN JBOX)	60W	2X60W	96W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	2.25" X 1.25" X 0.83"	8.125" X 2" X 1.75"	12.15" X 6.48" X 2.18"	9.25" X 3.5" X 2"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN WALL MOUNTING	N/A	PSB-60W-ELV-24VDC-IW	PSB-2X60W-ELV-24VDC-IW	PSB-100W-ELV-24VDC-IW
ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS <sup>†‡</sup>				
ORDERING CODES	PSB-2X100W-ELV-24VDC 	PSB-3X100W-ELV-24VDC 	PSB-4X100W-ELV-24VDC 	
SPECIFICATIONS				
MAXIMUM LOAD	2X96W	3X96W	4X96W	
INPUT VOLTAGE	120VAC	120VAC	120VAC	
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	
DIMENSIONS	12.15" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	
IN WALL MOUNTING	PSB-2X100W-ELV-24VDC-IW	N/A	N/A	
DIMMING AND CONTROLS				
LUTRON DIVA: DVELV-300P	•	•	•	
LUTRON SKYLARK: SELV-300P	•	•	•	
LUTRON RADIO RA2: RRD-6NA	•	•	•	
LUTRON MAESTRO: MAELV-600	•	•	•	
LEGRAND ADORNE: ADTP-703TUM4	•	•	•	

<sup>†</sup>22K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies. Tunable White (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.

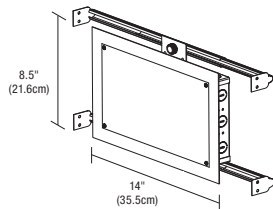
<sup>‡</sup>Electrical Panels using Seimens/Murray AFCI breakers are not compatible with this ELV transformer. Use 0-10 Volt power supplies with this breaker

With N-Lite Dimming Do not use ELV power supplies, use only 0-10 volt or Uni drivers power supplies



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

**Ordering Codes:** PSB-60W-ELV-24VDC-IW  
PSB-100W-ELV-24VDC-IW



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

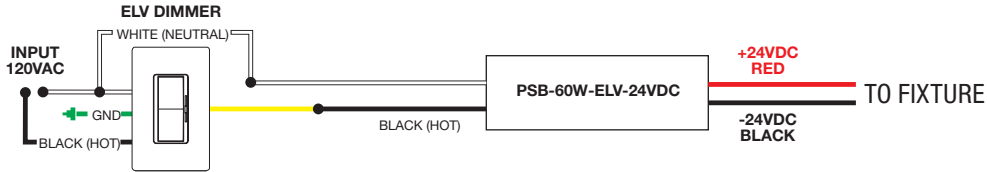
**Ordering Codes:** PSB-2X60W-ELV-24VDC-IW  
PSB-2X100W-ELV-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	
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**SAMPLE WIRING DIAGRAMS 24VDC ELV**

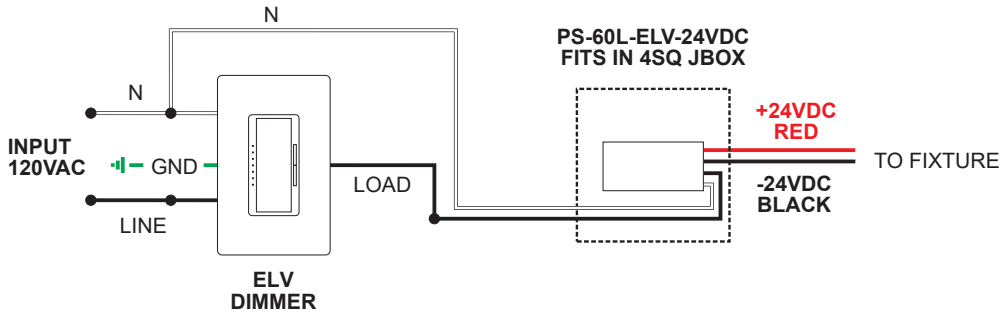
**Application:** ELV dimming for Static White

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









**Application:** ELV dimming for Static White

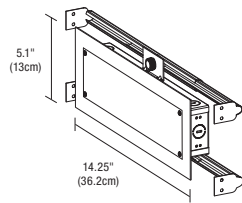
**Dimming:** Dimmable with ELV dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2



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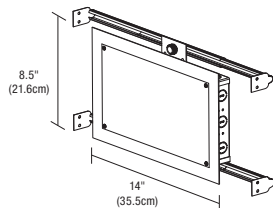
0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS†				
ORDERING CODE	PSB-25W-010-24VDC 	PSB-60W-010-24VDC 	PSB-96W-010-24VDC 	PSB-2X96W-010-24VDC 
SPECIFICATIONS				
MAXIMUM LOAD	25W	60W	96W	2X96W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS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

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



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

**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.

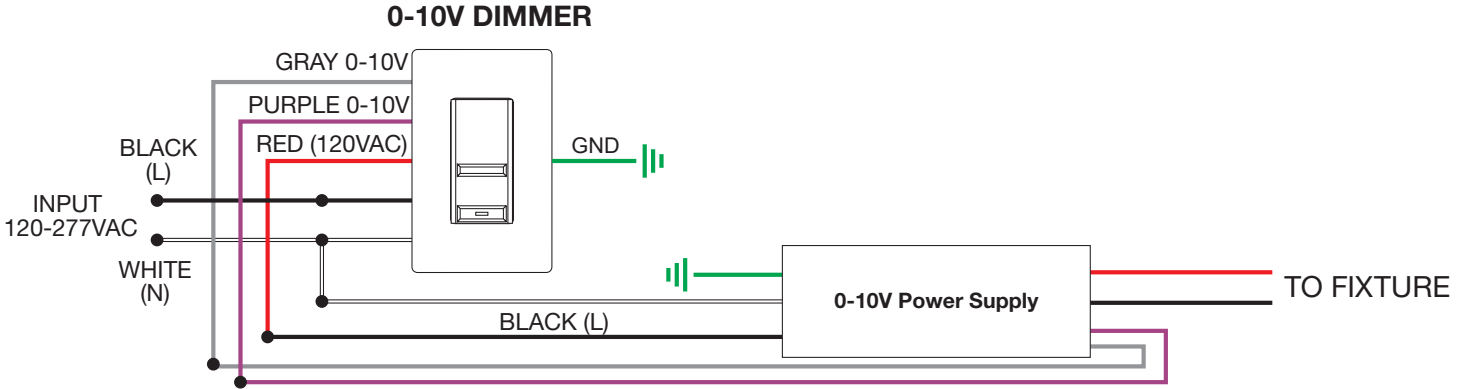
**Ordering Codes:** PSB-2X96W-010-24VDC-IW

PROJECT		FIXTURE TYPE		DATE	
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**SAMPLE WIRING DIAGRAMS 24VDC 010**

**Application:** 0-10V Dimming Applications For Static White and Dynamic Tunable White 0-10V Dual Dimming.

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

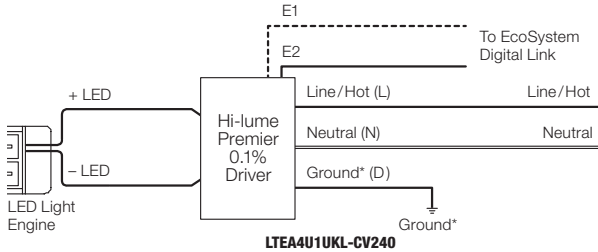


PROJECT		FIXTURE TYPE		DATE	
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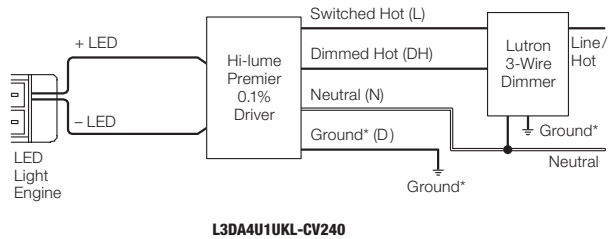
<b>LUTRON HI-LUME® PREMIER .1% ECOSYSTEM®†</b>			
<b>ORDERING CODES</b>	<b>L3D0-96W24V-U</b> 	<b>2-WIRE ECOSYSTEM LTEA4U1UKL-CV240</b> 	<b>3-WIRE ECOSYSTEM L3DA4U1UKL-CV240</b> 
<b>SPECIFICATIONS</b>			
<b>MAXIMUM LOAD</b>	96W	5W-40W	5W-40W
<b>INPUT VOLTAGE</b>	120-277VAC	120-277VAC	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC
<b>DIMENSIONS</b>	10.5" X 5.5" X 2"	4" X 4.89" X 2.62"	4" X 4.89" X 2.62"
<b>CLASSIFICATION</b>	CLASS 2	CLASS 2	CLASS 2
<b>DIMMING AND CONTROLS</b>			
<b>RADIO RA2</b>	•	•	•
<b>HOMEWORKS QS</b>	•	•	•
<b>PHPM-3F-120</b>	•	•	•
<b>PHPM-3F-DV</b>	•	•	•
<b>BCI-0-10</b>	•	•	•

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

**2-Wire EcoSystem Wiring Diagram**




**3-Wire Wiring Diagram**



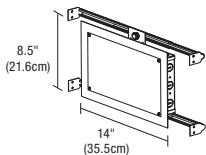
**24VDC, DALI**

**REQUIRED COMPONENTS 24VDC DMX RGB Compatible Power Supplies**

<b>DALI DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES &amp; RECOMMENDED CONTROLLERS†</b>	
<b>ORDERING CODE</b>	<b>PSB-100W-24VDC-DALI</b> 
<b>SPECIFICATIONS</b>	
<b>MAXIMUM LOAD</b>	100W
<b>INPUT VOLTAGE</b>	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC
<b>DIMENSIONS</b>	12.14" X 6.48" X 2.18"
<b>CLASSIFICATION</b>	CLASS 2
<b>IN-WALL MOUNTING</b>	PSB-100W-24VDC-DALI-IW
<b>DIMMING &amp; CONTROLS</b>	
<b>TOUCH SCREEN CONTROLLER (CTP)</b>	•
<b>DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)</b>	•
<b>DALI COMPATIBLE</b>	•

†2400K-5700K 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.

Classification: UL2108 - \* 24VDC over 100 Watts, wires must be in conduit from Remote Power Supply to J-box.



**8.5" X 14" 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-DALI-IW, PSB-100W-24VDC-RGB-IW

PROJECT	FIXTURE TYPE	DATE
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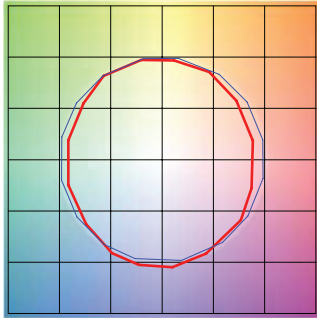
# SUSPENSION TM30 DATA

## LED SUSPENSION WITH REMOTE POWER

**TM-30-15 DATA:** The data below is for SS5C and SS7C 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

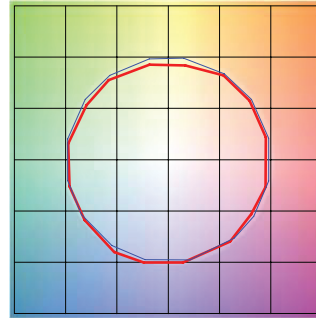


■ Test ■ Reference

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

**2400K** | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

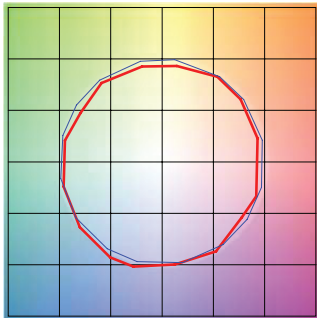


■ Test ■ Reference

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

**2700K** | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

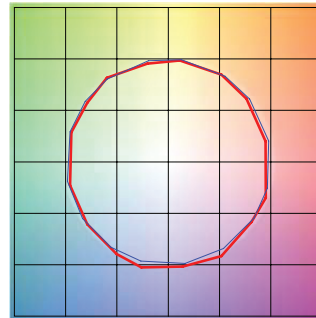


■ Test ■ Reference

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

**3000K** | Rf: 88.1 | Rg: 99.7

Color Vector Graphic

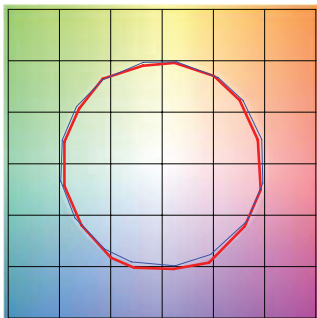


■ Test ■ Reference

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

**3500K** | Rf: 86.1 | Rg: 95.5

Color Vector Graphic

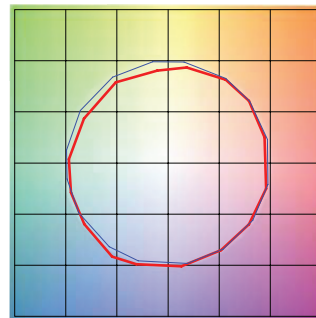


■ Test ■ Reference

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

**4000K** | Rf: 87.6 | Rg: 96.8

Color Vector Graphic



■ Test ■ Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	88.9	-2.4%	2.5%
2	93.3	-0.4%	0.8%
3	94.8	-1.0%	-0.6%
4	87.9	-4.9%	-3.6%
5	85.3	-9.4%	-2.6%
6	90.2	-6.0%	0.2%
7	85.3	-7.6%	4.6%
8	83.7	-4.1%	8.2%
9	79.5	-1.1%	13.8%
10	78.6	1.5%	12.1%
11	83.5	6.4%	7.8%
12	90.9	3.6%	-1.1%
13	88.3	1.7%	-6.3%
14	91.9	-0.4%	-2.2%
15	84.5	-0.9%	-5.5%
16	84.7	-1.1%	-4.4%

PROJECT	FIXTURE TYPE	DATE
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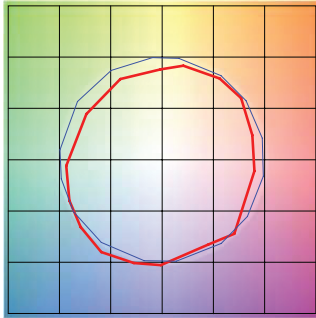
# SUSPENSION TM30 DATA

## LED SUSPENSION WITH REMOTE POWER

**TM-30-15 DATA:** The data below is for SS5C and SS7C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

**5700K** | Rf: 80.3 | Rg: 91.5

Color Vector Graphic

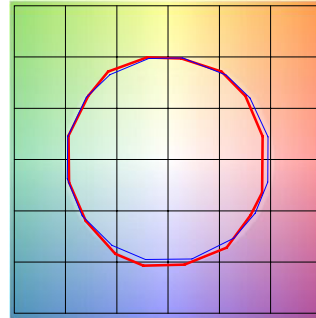


■ Test ■ Reference

GRAPHIC SHIFTS %			
HUE BIN	Rf	CHROMA	HUE
1	75.4	-8.9%	4.7%
2	87.5	-2.6%	4.6%
3	90.7	-3.0%	-0.5%
4	83.2	-6.0%	-5.7%
5	76.2	-12.9%	-5.3%
6	81.4	-11.9%	-2.6%
7	74.8	-14.0%	5.1%
8	69.0	-9.0%	14.1%
9	72.6	-3.6%	22.2%
10	71.4	2.7%	16.1%
11	81.3	7.9%	5.3%
12	83.6	4.1%	-9.4%
13	78.4	0.7%	-15.3%
14	77.7	-6.2%	-11.0%
15	68.8	-1.3%	-21.2%
16	80.8	-9.6%	3.3%

**2700D** | Rf: 89.5 | Rg: 100.8

Color Vector Graphic

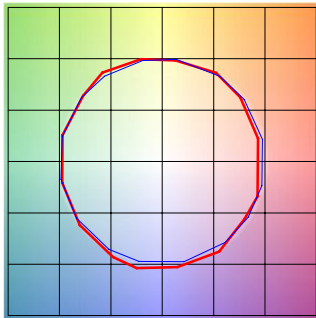


■ Test ■ Reference

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

**3000D** | Rf: 89.8 | Rg: 101.4

Color Vector Graphic



■ Test ■ Reference

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

PROJECT	FIXTURE TYPE	DATE
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