

NOVA DOWNLIGHT END FEED

24VDC LED SUSPENSION WITH POWER

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 08.19.21



DESCRIPTION

Nova Downlight End Feed Suspension with 24VDC power is a linear LED fixture that offers Direct light in a clean and contemporary style with an architectural aesthetic. With your choice of three wattage options, various increments from 12" to 240", several Metal finishes and, nine standard Color Temperatures ranging from 2200K to 5700K, including two Warm Dim options of 2700K (**27D**) or 3000K (**30D**) that dim down to 2000K, the Nova Downlight suspension allows you to create the perfect fixture for any space. The Downlight has two lens options; a Diffused White Lens with a 100° beam spread or Clear Frosted Lens with a 60° beam spread. Add a Black or White Louver for additional diffusion. Fixture includes a 5 year pro-rated warranty. For custom designs and quotes, send drawings to design@PureEdgeLighting.com.

Wattages for this fixture are available in the following options:

- 5W - 4.4 watts per foot, lengths up to 240" (20')
- 7W - 7.5 watts per foot, lengths up to 144" (12')
- 10W - 9.6 watts per foot, lengths up to 120" (10')

INSTALLATION

- Includes canopy with 120V/24VDC Electronic Low Voltage LED power supply. For under 60 watts (Non-IC), the power supply will fit inside the electrical junction box with a flush 4.6" canopy. 100 watt include 6" Surface Mount Canopy.
- Adjustable 12ft coaxial cables (fixtures exceeding 96" come with additional aircraft cables)

FINISHES



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

LENSES

- Available in a Diffused White Lens with 100° beam spread or Clear Frosted Lens with 60° beam spread, both offered with black or white louvers

*60° downlight lens is only offered with louvers

APPLICATIONS

- Designed for indoor use only. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

LAMPING

- Choose from 9 color temperatures: 22K-57K and Warm Dim
- Warm Dim (optional): 2700K to 2000K (**27D**) or 3000K to 2000K (**30D**)
- 50,000 hours

POWER SUPPLIES (INCLUDED IN CANOPY)

- 120V input, 24VDC output; electronic low voltage LED power supply

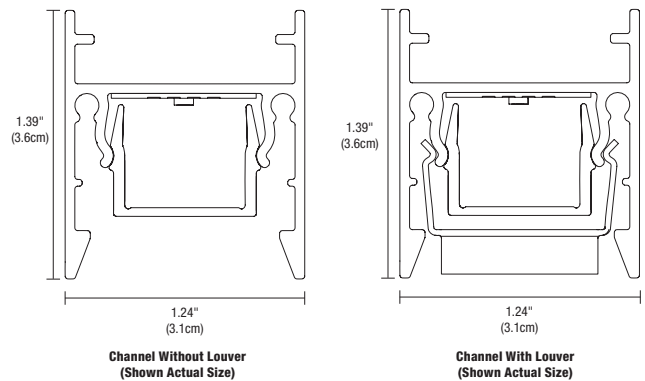
*For nLight compatibility please refer to our remote power supply specifications or contact us for a custom quotation.

DIMMING

Compatible with the following ELV dimmers:

- Legrand: Adorne ADTP703TU
- Lutron: Diva DVELV-300P; Skylark SELV-300P; Maestro MAELV-600; Radio Ra 2

*Dimmers not available through PureEdge Lighting.



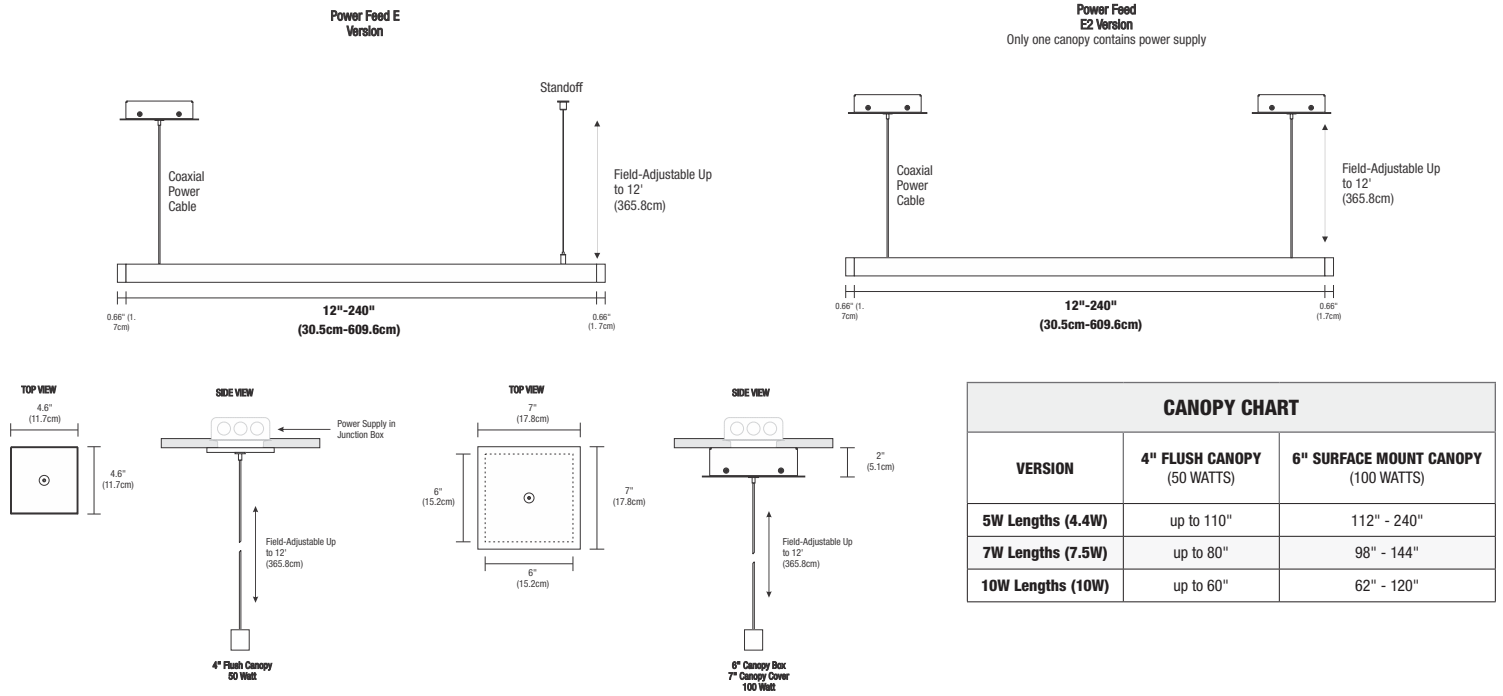
System	Wattage Per Foot	Power Canopy	Nominal Size (in Inches)	Color Temperature	Finish
NSDP	5W	E	240	22K	SN
NSDP Nova Suspension Diffused Lens, with Power NSDWP Nova Suspension Diffused Lens with White Louver, with Power NSDBP Nova Suspension Diffused Lens with Black Louver, with Power NSCWP Nova Suspension Clear Frosted Lens with White Louver, with Power NSCBP Nova Suspension Clear Frosted Lens with Black Louver, with Power	5W 4.4 Watt (240" Max, 20ft) 7W 7.5 Watt (144" Max, 12ft) 10W 9.6 Watt (120" Max, 10ft)	E End Feed E2 End Feed, 2 Canopies	12-240 Order in various increments from 12" to 240" *Maximum shipping length is 120", 84" for chrome **See length chart for exact dimensions	22K 2200 Amber White 24K 2400K Very Warm White 27K 2700K Incandescent White 27D 2700K Warm Dim (5W only) 30K 3000K Warm White 30D 3000K Warm Dim (5W only) 35K 3500K Neutral White 40K 4000K Cool White 57K 5700K Daylight White	BK Satin Black CH Chrome SA Satin Aluminum SN Satin Nickel WH White

PROJECT		FIXTURE TYPE		DATE	
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NOVA DOWNLIGHT END FEED

24VDC LED SUSPENSION WITH POWER

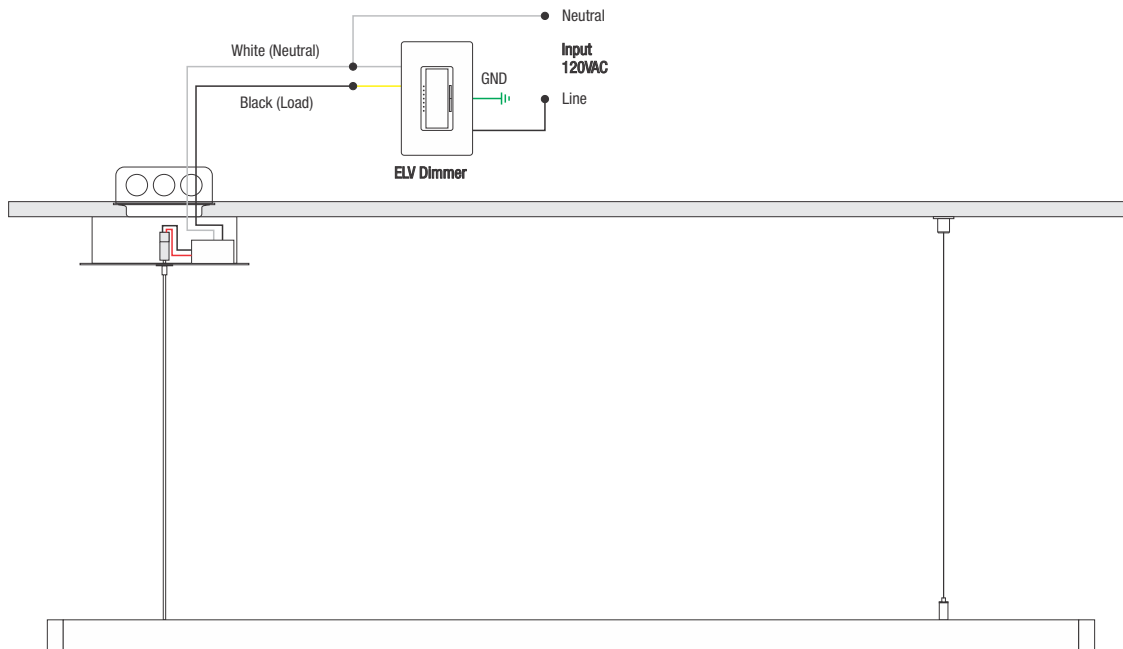
Drawings: Canopy and Channel Sizes for the Nova Suspension Downlight with Power - End Feed



Wiring Diagram: Wiring diagram for an ELV Dimmer

Application: ELV dimming for Nova Power Suspension, End Feed, 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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NOVA DOWNLIGHT END FEED

24VDC LED SUSPENSION WITH POWER

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

22K, 24K, 27K, 30K, 35K, 40K & 57K								
Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)	Total Wattage (7W)	Total Wattage (10W)	Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)	Total Wattage (7W)
12	13.3	5	8	10	128	128.9	53	80
15	15.7	6	9	12	130	131.3	54	81
17	18.1	7	11	14	132	133.7	55	83
20	20.5	8	13	17	135	136.1	56	84
22	22.9	9	14	18	137	138.5	57	86
24	25.3	10	15	20	140	140.9	58	87
27	27.7	11	17	22	142	143.3	59	89
29	30.1	12	18	24	144	145.7	60	90
32	32.5	13	20	27	147	148.1	61	
34	34.9	14	21	28	149	150.5	62	
36	37.3	15	23	30	152	152.9	63	
39	39.7	16	24	32	154	155.3	64	
41	42.1	17	26	34	156	157.7	65	
44	44.5	18	28	37	159	160.1	66	
46	46.9	19	29	38	161	162.5	67	
48	49.3	20	30	40	164	164.9	68	
51	51.7	21	32	42	166	167.3	69	
53	54.1	22	33	44	168	169.7	70	
56	56.5	23	35	47	171	172.1	71	
58	58.9	24	36	48	173	174.5	72	
60	61.3	25	38	50	176	176.9	73	
63	63.7	26	39	52	178	179.3	74	
65	66.1	27	41	54	180	181.7	75	
68	68.5	28	43	57	183	184.1	76	
70	70.9	29	44	58	185	186.5	77	
72	73.3	30	45	60	188	188.9	78	
75	75.7	31	47	62	190	191.3	79	
77	78.1	32	48	64	192	193.7	80	
80	80.5	33	50	67	195	196.1	81	
82	82.9	34	51	68	197	198.5	82	
84*	85.3	35	53	70	200	200.9	83	
87	87.7	36	54	72	202	203.3	84	
89	90.1	37	56	74	204	205.7	85	
92	92.5	38	58	77	207	208.1	86	
94	94.9	39	59	78	209	210.5	87	
96	97.3	40	60	80	212	212.9	88	
99	99.7	41	62	82	214	215.3	89	
101	102.1	42	63	84	216	217.7	90	
104	104.5	43	65	87	219	220.1	91	
106	106.9	44	66	88	221	222.5	92	
108	109.3	45	68	90	224	224.9	93	
111	111.7	46	69	92	226	227.3	94	
113	114.1	47	71	94	228	229.7	95	
116	116.5	48	73	97	231	232.1	96	
118	118.9	49	74	98	233	234.5	97	
120	121.3	50	75	100	236	236.9	98	
123	124.1	51	77		238	239.3	99	
125	126.5	52	78		240	241.7	100	

*Maximum Chrome Shipping Length

PROJECT		FIXTURE TYPE		DATE	
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NOVA DOWNLIGHT END FEED

24VDC LED SUSPENSION WITH POWER

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

27D & 30D					
Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)	Nominal Length (Inches)	Actual Length (Inches)	Total Wattage (5W)
12	13.4	5	129	130.8	54
15	16.4	6	132	133.8	55
18	19.4	8	135	136.8	56
21	22.4	9	138	139.8	58
24	25.4	10	141	142.8	59
27	28.4	11	144	145.8	60
30	31.4	13	147	148.8	61
33	34.4	14	150	151.8	63
36	37.4	15	153	154.8	64
39	40.4	16	156	157.8	65
42	43.4	18	159	160.8	66
45	46.4	19	162	163.8	68
48	49.4	20	165	166.8	69
51	52.4	21	168	169.8	70
54	55.4	23	171	172.8	71
57	58.4	24	174	175.8	73
60	61.4	25	177	178.8	74
63	64.4	26	180	181.8	75
66	67.4	28	183	184.8	76
69	70.4	29	186	187.8	78
72	73.4	30	189	190.8	79
75	76.4	31	192	193.8	80
78	79.4	33	195	196.8	81
81	82.4	34	198	199.8	83
84	85.4	35	201	202.8	84
87	88.4	36	204	205.8	85
90	91.4	38	207	208.8	86
93	94.4	39	210	211.8	88
96	97.4	40	213	214.8	89
99	100.4	41	216	217.8	90
102	103.4	43	219	220.8	91
105	106.4	44	222	223.8	93
108	109.4	45	225	226.8	94
111	112.4	46	228	229.8	95
114	115.4	48	231	232.8	96
117	118.4	49	234	235.8	98
120	121.4	50	237	238.8	99
123	124.8	51	240	241.8	100
126	127.8	53			

*Maximum Chrome Shipping Length

PROJECT		FIXTURE TYPE		DATE	
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NOVA DOWNLIGHT END FEED

24VDC LED SUSPENSION WITH POWER

Lamp Data: Lamp data for Downlight Channel

	NSDP																						
DESCRIPTION	100° Diffused White Lens without Louver																						
WATTS PER FOOT	5w (4.4 watts)									7w (7.5 watts)								10w (9.6 watts)					
COLOR TEMPERATURE	22K	24K	27K	270*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	238	264	290	359	317	359	363	395	420	389	431	475	518	593	645	687	504	559	615	671	769	836	890
LUMENS PER WATT (lm/w)	54	60	65	75	72	75	83	89	95	53	59	65	71	81	88	94	52	58	64	70	80	87	93
CRI	85+	90+	95+	92+	95+	92+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+

	NSDWP																						
DESCRIPTION	100° Diffused White Lens with White Louver																						
WATTS PER FOOT	5w (4.4 watts)									7w (7.5 watts)								10w (9.6 watts)					
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	166	185	203	252	222	252	254	276	294	272	302	332	363	415	452	481	353	392	430	470	539	586	623
LUMENS PER WATT (lm/w)	38	42	46	52	50	52	58	63	67	37	41	45	50	57	62	66	37	41	45	49	56	61	65
CRI	85+	90+	95+	92+	95+	92+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+

	NSDBP																						
DESCRIPTION	100° Diffused White Lens with Black Louver																						
WATTS PER FOOT	5w (4.4 watts)									7w (7.5 watts)								10w (9.6 watts)					
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	104	116	127	157	139	157	159	173	184	170	189	208	227	260	283	301	221	245	269	294	337	366	390
LUMENS PER WATT (lm/w)	24	26	29	33	31	33	36	39	42	23	26	28	31	36	39	41	23	25	28	31	35	38	41
CRI	85+	90+	95+	92+	95+	92+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+

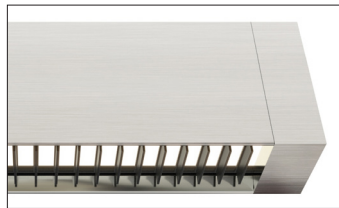
	NSCWP																						
DESCRIPTION	60° Clear Frosted Lens with White Louver																						
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)								10w (9.6 watts)						
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	200	222	244	302	267	302	305	332	353	327	363	399	436	499	543	578	423	470	517	565	647	703	748
LUMENS PER WATT (lm/w)	45	50	55	63	60	63	69	75	80	45	50	55	60	68	74	79	44	49	54	59	67	73	78
CRI	85+	90+	95+	92+	95+	92+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+

	NSCBP																						
DESCRIPTION	60° Clear Frosted Lens with Black Louver																						
WATTS PER FOOT	5w (4.4 watts)								7w (7.5 watts)								10w (9.6 watts)						
COLOR TEMPERATURE	22K	24K	27K	27D*	30K	30D*	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K	22K	24K	27K	30K	35K	40K	57K
LUMENS PER FOOT (lm/ft)	125	139	153	189	167	189	191	208	221	204	227	250	273	312	339	361	265	294	323	353	405	440	468
LUMENS PER WATT (lm/w)	28	31	34	39	38	39	43	47	50	28	31	34	37	43	46	49	28	31	34	37	42	46	49
CRI	85+	90+	95+	92+	95+	92+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+	85+	90+	95+	95+	85+	85+	85+

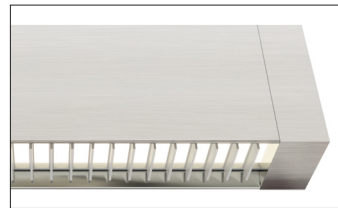
*27D, 30D - Warm Dim (4.8 Watts)



Shown without Louver



Shown with Black Louver



Shown with White Louver

Channel Finishes



Satin Black
BK



Chrome
CH



Satin Aluminum
SA



Satin Nickel
SN

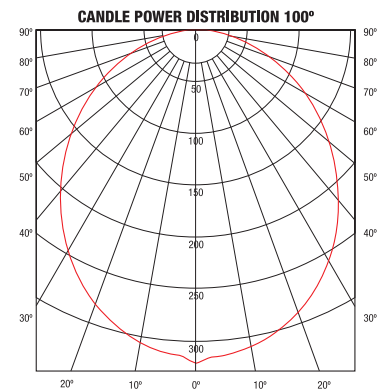


White
WH

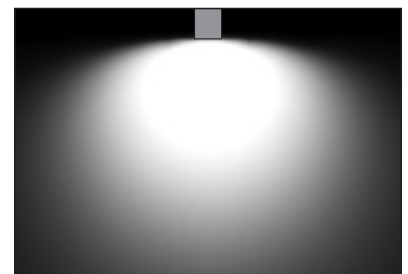
5 WATT 100°	
DISTANCE	FOOT CANDLES
1'	152
1.5'	100
2'	74
3'	47
4'	34
5'	25
6'	20
7'	15
8'	13

7 WATT 100°	
DISTANCE	FOOT CANDLES
1'	251
1.5'	165
2'	121
3'	79
4'	57
5'	43
6'	34
7'	27
8'	23

10 WATT 100°	
DISTANCE	FOOT CANDLES
1'	279
1.5'	183
2'	136
3'	87
4'	62
5'	47
6'	37
7'	29
8'	24



BEAM SPREAD CHART
NSDP 3000K 5 Watt 100°



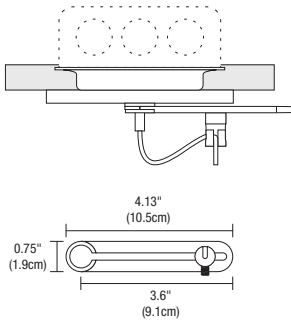
PROJECT		FIXTURE TYPE		DATE	
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NOVA DOWNLIGHT END FEED

24VDC LED SUSPENSION WITH POWER

ACCESSORIES: Accessories for Nova Suspension

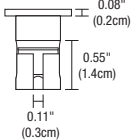
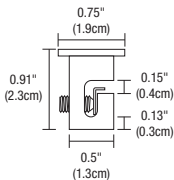
2 inch or
4 inch Canopy
(Not Included)



CHANNEL SUSPENSION ADJUSTABLE SWAG BAR AND HOOK

Channel Suspension Adjustable Swag Bar and Hook allows a cable to form a straight connection to the channel when the Power Canopy is not located directly above the fixture. Use when you have two or more canopies (power supplies) on the same fixture run. The Adjustable Swag Hook is compatible with the 2R, 2S, 4R and 4S Power Canopies (Canopy not included).

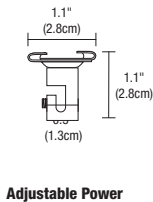
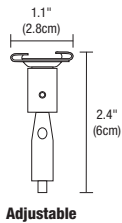
Product	Type	Finish
CS	ADJ-DP-SWAG	SN
CS Channel Suspension	ADJ-SWAG Adjustable Swag Hook for Static White	SN Satin Nickel



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



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
CS	TBAR	A	W
CS Channel Suspension	TBAR 9/16" and 15/16"	A Adjustable AP Adjustable Power	W White B Satin Black

PROJECT		FIXTURE TYPE		DATE	
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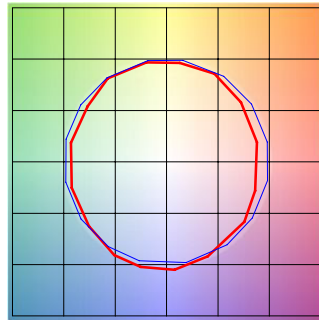
SUSPENSION TM30 DATA

24VDC LED SUSPENSION WITH POWER

TM-30-15 DATA: The data below is for SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

2200K | Rf: 83.9 | Rg: 94.9

Color Vector Graphic

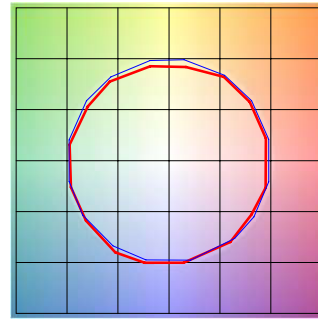


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	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%

2400K | Rf: 91.2 | Rg: 96.8

Color Vector Graphic

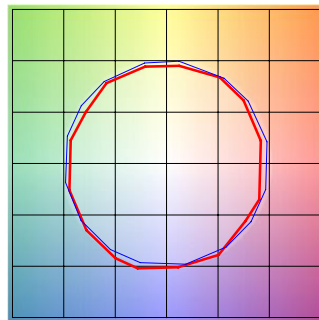


■ Test ■ Reference

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

2700K | Rf: 87.7 | Rg: 96.1

Color Vector Graphic

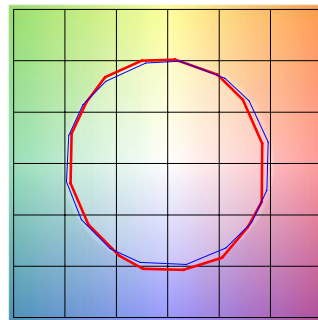


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	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

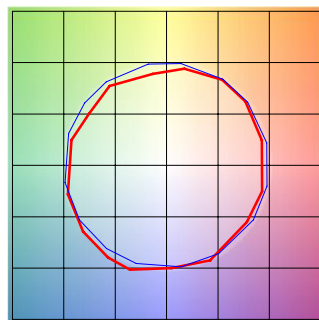


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

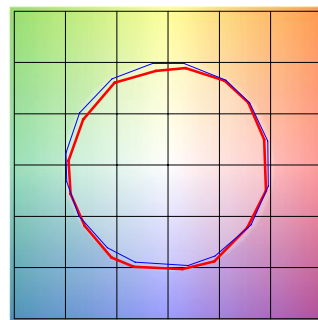


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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

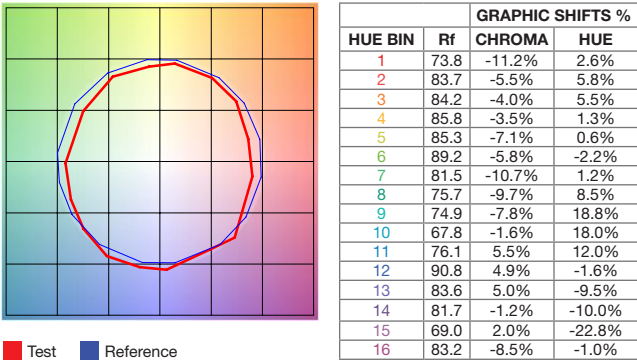
		GRAPHIC SHIFTS %	
HUE BIN	Rf	CHROMA	HUE
1	89.0	-3.1%	2.1%
2	93.2	-0.9%	1.3%
3	94.3	-1.1%	0.7%
4	89.5	-4.0%	-2.3%
5	87.6	-7.8%	-1.8%
6	92.2	-4.6%	0.1%
7	87.4	-6.6%	3.6%
8	85.7	-3.8%	7.0%
9	81.5	-1.3%	12.4%
10	80.0	0.9%	11.4%
11	83.3	5.9%	8.7%
12	89.7	4.8%	-0.3%
13	88.5	2.4%	-6.3%
14	92.7	4.0%	-3.8%
15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

PROJECT		FIXTURE TYPE		DATE	
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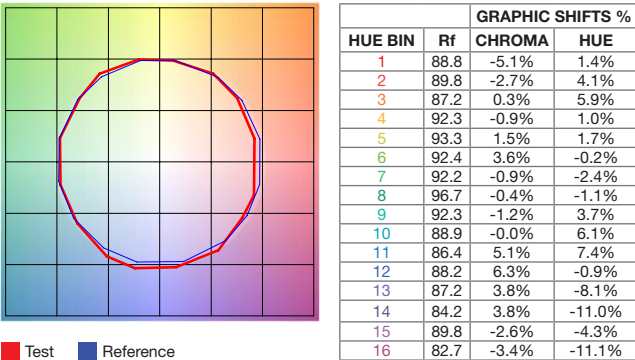
SUSPENSION TM30 DATA
24VDC LED SUSPENSION WITH POWER

TM-30-15 DATA: The data below is for SS5C, SS7C, and SS10C bare LED Soft Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

5700K | Rf: 80.3 | Rg: 91.5
Color Vector Graphic



2700D | Rf: 89.5 | Rg: 100.8
Color Vector Graphic



3000D | Rf: 89.8 | Rg: 101.4
Color Vector Graphic

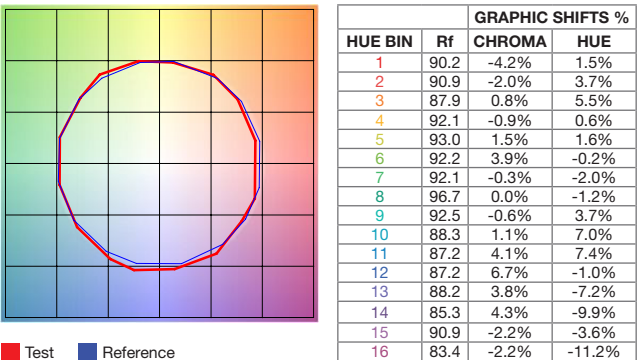


Table with 4 columns: PROJECT, FIXTURE TYPE, DATE, and an empty column.