

NOVA LED SUSPENSION UP / DOWN

MODULAR SYSTEM - REMOTE POWER, DYNAMIC TUNABLE WHITE 2K4K

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | US PATENT ISSUED

REV 06.19.20



DESCRIPTION

The Nova Suspension Up/Down LED Modular System combines the Nova Suspension Channel with various L, T, and X connectors for building geometric configurations, allowing you to be the fixture designer. The Nova Modular is a fixture that features both direct and indirect light with Tunable White (2K4K), Up and Down Light control of Kelvin color function as one. 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 regulate any level of brightness. Use with two dimmers (One for 2000K and One for 4000K) or, use our proprietary Tunable White Controller for fast and accurate adjustment (Ordered separately). We provide layout and direction for easy installation. System includes a 5 year pro-rated warranty. For Custom Quotes, Finishes, Lengths and layout assistance, email our Design Team: design@PureEdgeLighting.com.

FEATURES & BENEFITS

- **Low Profile:** 1.24 x 2.23 inch channel
- **Remote Power Supply:** Up to 100 watt — Remote Power Supplies may be located up to 40 feet away
- **Length Options:** 12 to 120 inches
- **Wattage:** 10 watts
- **5 Finish Options**
- **High Lumen Output:** Up to 782 lm/ft
- **Color Temperature:** Dynamic Tunable White (2K4K)
- **High CRI:** Up to 95+
- **50,000 Hour Lamp Life**
- **2 Lens Options:** 100° Diffused White or 60° Clear Frosted
- **2 Louver Options:** Black or White
- **Easy Installation:** Fully Assembled Push-in connectors

APPLICATIONS

- Designed for Indoor Use Only. Ideal Applications include commercial, architectural and retail spaces as well as offices and conference rooms.

INCLUDED COMPONENTS

- High Grade LED Strip, installed to fit length
- Lens: Downlight - Diffused White 100° Lens or Clear Frosted 60° Lens; Uplight - Clear Frosted 60° Lens
- Channel with Suspension Cables
- White or Black Louver (if selected)

COMPONENTS SOLD SEPARATELY

- Surface Mount or Remote Power Supply
- End Caps and L, T, and X Connectors
- Power End Caps and Power Connectors (Includes Power Canopies)

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

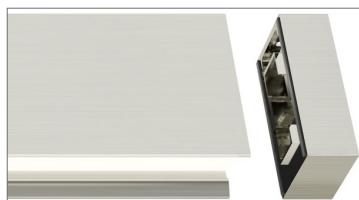
- UNI driver (ELV, 0-10, TRIAC)
- Lutron Hi-Lume®
- Electronic Low Voltage Dimming (ELV)
- 0-10 Volt Dimming (0-10V)

*In-Wall Mounting Kits available for select power supplies

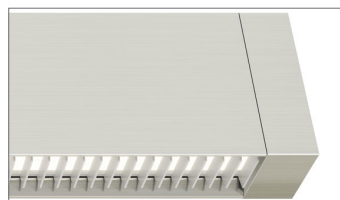
*Dynamic/Tunable White - Requires two dimmers (one for 2000K and one for 4000K) or use our proprietary Tunable White Controller CDMX-1

APPROVALS

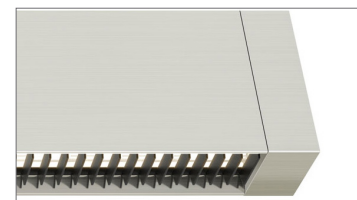
Damp Location, ETL Listed, Class 2 wiring, Title 24 with Universal Power Supply, 0-10V or Lutron power supplies, Assembled in America



DIFFUSED WHITE LENS MODULAR END CAP



DIFFUSED WHITE LENS WHITE LOUVER



CLEAR FROSTED LENS BLACK LOUVER

System	Wattage Per Foot	Nominal Size in Inches	Color Temperature	Finish
NSUDDM	10W	120	2K4K	SN
NSUDDM Nova Suspension Up/Down Modular, Diffused White 100 Degree Lens without Louver NSUDDWM Nova Suspension Up/Down Modular, Diffused White 100 Degree Lens with White Louver NSUDCWM Nova Suspension Up/Down Modular, Clear Frosted 60 Degree Lens with White Louver NSUDDBM Nova Suspension Up/Down Modular, Diffused White 100 Degree Lens with Black Louver NSUDCBM Nova Suspension Up/Down Modular, Clear Frosted 60 Degree Lens with Black Louver	10W 10 Watt, 120" (10ft) max length (5W up and 5W down)	12-120 Order in various increments from 12 inches to 120 inches	2K4K Tunable White 2000K-4000K	BK Black Powder Paint CH Chrome SB Satin Brass* SN Satin Nickel WH White Powder Paint

*See length chart for exact dimensions (pg. 5)

*Includes Black End Caps, Wires, and Canopy.

PROJECT	FIXTURE TYPE	DATE
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Nova Suspension Up/Down Modular Channel with Diffused White Lens

Nova Suspension Up/Down Modular Channel is the primary component of the Nova Modular system. The 24VDC channel may be ordered from 12-120 inches and includes a Diffused White 100 degree lens for the Down Light, and a Clear Frosted 60 degree Lens for the Up Light. The White lens disperses the light evenly without dots. Suspension Cables are included with the LED Channel and Lens for every 5 feet. The Channel runs as long as 10 feet with 10 watts per foot per foot before refeeding.



Diffused White Lens without Louver

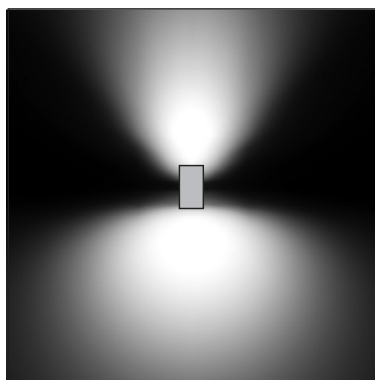
Lamp Data: Lamp data for Nova Up and Downlight without Louver

	NSUDDM, NSUDDWM, NSUDDBM, NSUDCWM, NSUDCBM					
DESCRIPTION	60 Degree Diffused Clear Frosted Lens without Louver - Uplight					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	242	268.5	295	322	369	401
LUMENS PER WATT (lm/w)	55	61	67	73	84	91
CRI	85+	90+	95+	95+	85+	84

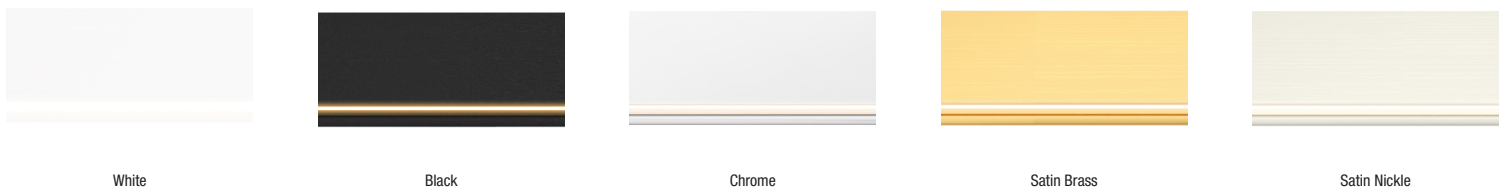
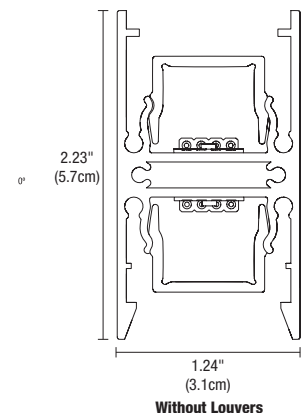
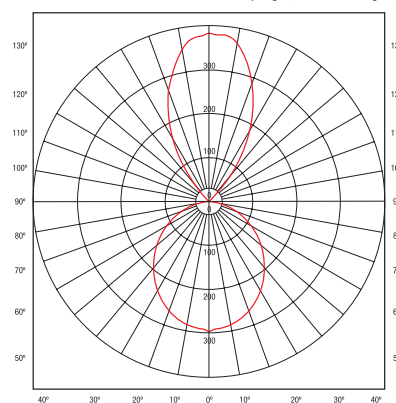
	NSUDDM					
DESCRIPTION	100 Degree Diffused White Lens without Louver - Downlight					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	201	223	245	268	307	334
LUMENS PER WATT (lm/w)	46	51	56	61	70	76
CRI	85+	90+	95+	95+	85+	84

BEAM SPREAD CHART NSUDDM 3000K 10 Watt 5 Watt 60° Up, 5 Watt 100° Down

Nova Downlight 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



CANDLE POWER DISTRIBUTION 60° Up Light, 100° Down Light

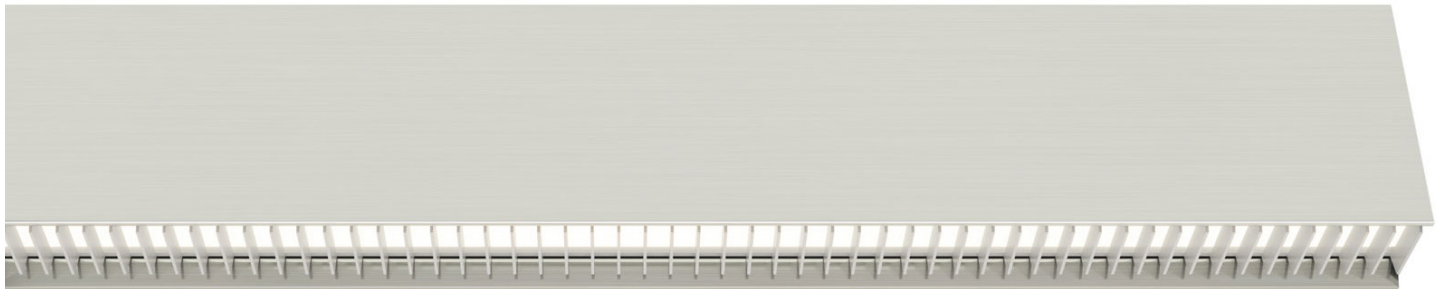


PROJECT		FIXTURE TYPE		DATE	
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Nova Suspension Up/Down Modular Channel with Diffused White Lens and Clear Frosted Lens with White Louver

Nova Suspension Up/Down Modular Channel is the primary component of the Nova Modular system. The 24VDC channel may be ordered from 12 to 120 inches and includes a Diffused White lens or Clear Frosted Lens for the Down Light, and a Clear Frosted 60 Degree Lens for the Up Light. The White lens disperses the light evenly without dots. The Clear Frosted lens gives the most light, but will have slight dotting when looking straight up into the light, which the White Louver helps reduce, while preserving more lumen.. The Channel runs as long as 10 feet with 10 watts per foot per foot before refeeding.

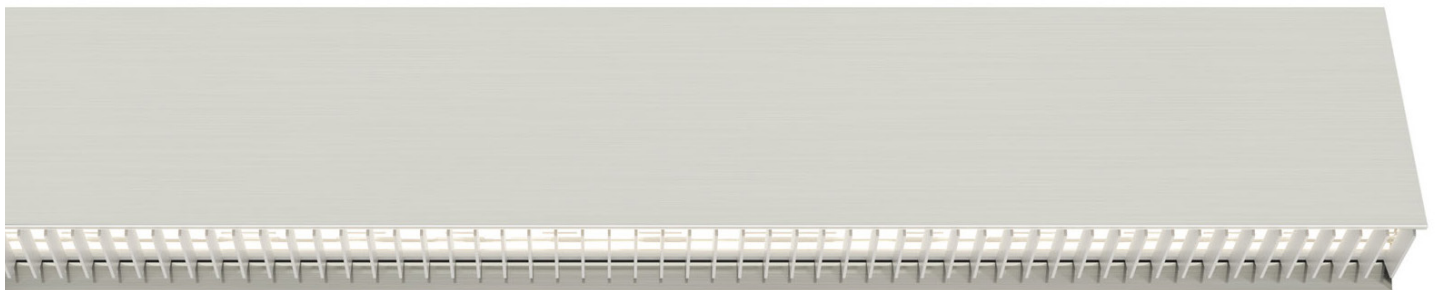
	NSUDDM, NSUDDWM, NSUDDBM, NSUDCWM, NSUDCBM					
DESCRIPTION	60 Degree Diffused Clear Frosted Lens without Louver - Uplight					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	242	268.5	295	322	369	401
LUMENS PER WATT (lm/w)	55	61	67	73	84	91
CRI	85+	90+	95+	95+	85+	84



Frosted Lens with White Louver (Not actual size)

Lamp Data: Lamp data for Nova Up and Downlight Channel with White Louver

	NSUDDWM					
DESCRIPTION	100 DEGREE DIFFUSED WHITE LENS WITH WHITE LOUVER - DOWNLIGHT					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	141	156.5	172	188	215	234
LUMENS PER WATT (lm/w)	32	35.5	39	43	49	53
CRI	85+	90+	95+	95+	85+	84



Frosted Lens with White Louver (Not actual size)

Lamp Data: Lamp data for Nova Up and Downlight Nova Channel with White Louver

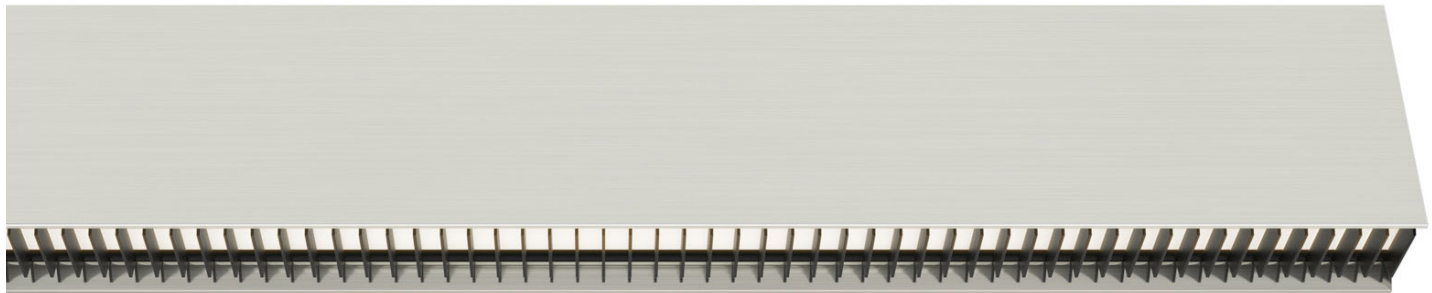
	NSUDCWM					
DESCRIPTION	60 DEGREE CLEAR FROSTED LENS WITH WHITE LOUVER - DOWNLIGHT					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	169	187.5	206	226	258	281
LUMENS PER WATT (lm/w)	38	42.5	47	51	59	64
CRI	85+	90+	95+	95+	85+	84

PROJECT		FIXTURE TYPE		DATE	
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Nova Suspension Up/Down Modular Channel with Diffused White Lens and Clear Frosted Lens with Black Louver

Nova Suspension Up/Down Modular Channel is the primary component of the Nova Modular system. The 24VDC channel may be ordered from 12 to 120 inches and includes a Diffused White lens or Clear Frosted Lens for the Down Light, and a Clear Frosted 60 Degree Lens for the Up Light. The White lens disperses the light evenly without dots. The Clear Frosted Lens gives the most light, with the black louver it gives at least 35% less lumens than it would with no louver. Slight dotting occurs when looking straight up into the light and the Black louver cuts out the most glare. The Channel runs as long as 10 feet with 10 watts per foot per foot before refeeding.

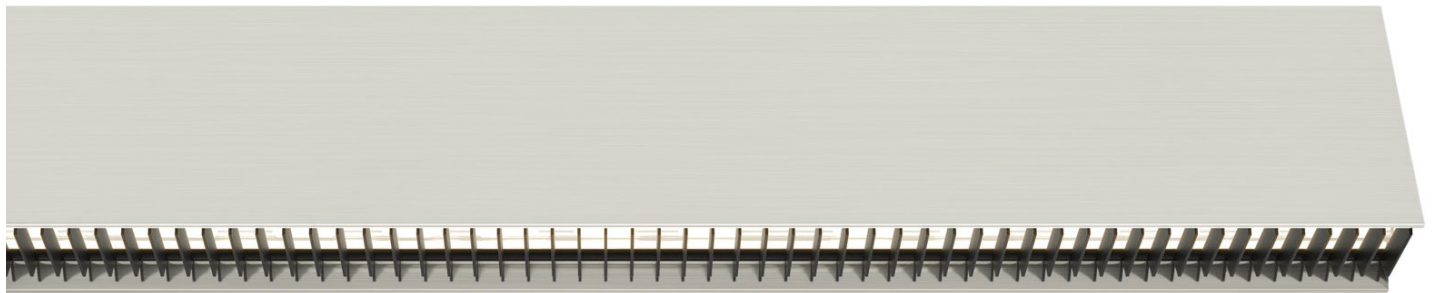
	NSUDDM, NSUDDWM, NSUDDBM, NSUDCWM, NSUDCBM					
DESCRIPTION	60 Degree Diffused Clear Frosted Lens without Louver - Uplight					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	242	268.5	295	322	369	401
LUMENS PER WATT (lm/w)	55	61	67	73	84	91
CRI	85+	90+	95+	95+	85+	84



Frosted Lens with Black Louver (Not actual size)

Lamp Data: Lamp data for Nova Up and Downlight Channel with Black Louver

	NSUDDBM					
DESCRIPTION	100 DEGREE DIFFUSED WHITE LENS WITH BLACK LOUVER - DOWNLIGHT					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	88	98	108	118	135	146
LUMENS PER WATT (lm/w)	20	22	24	27	31	33
CRI	85+	90+	95+	95+	85+	84



Frosted Lens with Black Louver (Not actual size)

Lamp Data: Lamp data for Nova Up and Downlight Nova Channel with Black Louver

	NSUDCBM					
DESCRIPTION	60 DEGREE CLEAR FROSTED LENS WITH BLACK LOUVER - DOWNLIGHT					
WATTS PER FOOT	5w (4.4 watts)					
COLOR TEMPERATURE	22K	24K	27K	30K	35K	40K
LUMENS PER FOOT (lm/ft)	106	117.5	129	141	162	176
LUMENS PER WATT (lm/w)	24	26.5	29	32	37	40
CRI	85+	90+	95+	95+	85+	84

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NOVA LED SUSPENSION UP / DOWN

MODULAR SYSTEM - REMOTE POWER, DYNAMIC TUNABLE WHITE 2K4K



REV 06.19.20

Length Chart: Actual lengths for Nova Up/Down Modular Downlight Suspension, Remote Power Supply

ORDERING CODE (NOMINAL SIZE)	10W (5W 2K + 5W 4K)		
	2K4K @ 10 WATTS PER FT	POWER SUPPLY	POWER SUPPLY
12	10	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
15	13	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
17	14	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
20	17	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
22	18	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
24	20	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
27	23	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
29	24	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
32	27	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
34	28	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
36	30	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
39	33	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
41	34	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
44	37	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
46	38	PSB-2x40W-UNI-24VDC	PSB-100W-24VDC-2XK
48	40	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
51	43	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
53	44	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
56	47	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
58	48	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
60	50	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
63	53	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
65	54	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
68	57	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
70	58	PSB-2x60W-UNI-24VDC	PSB-100W-24VDC-2XK
72	60	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
75	63	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
77	64	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
80	67	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
82	68	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
84*	70	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
87	73	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
89	74	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
92	77	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
94	78	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
96	80	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
99	83	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
101	84	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
104	87	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
106	88	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
108	90	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
111	93	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
113	94	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
116	97	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
118	98	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK
120**	100	PSB-2x96W-UNI-24VDC	PSB-100W-24VDC-2XK

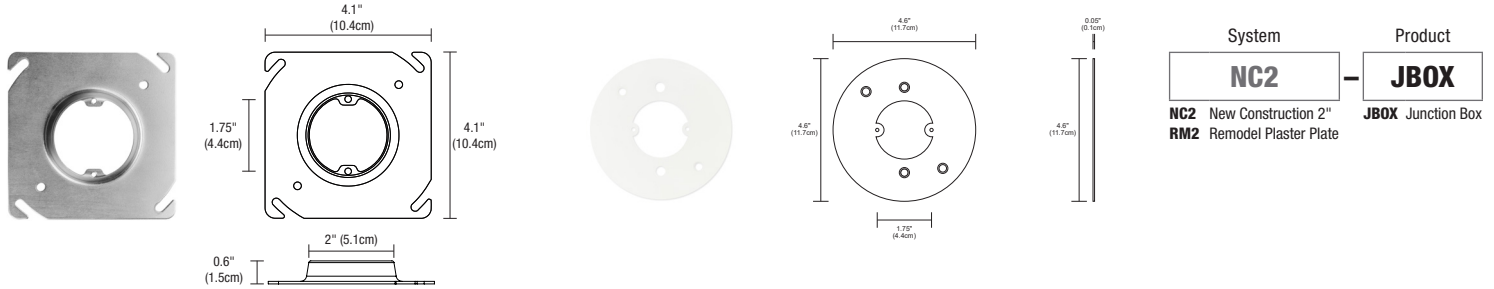
*Maximum Chrome Length **Maximum Shipping Length

PROJECT		FIXTURE TYPE		DATE	
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COMPONENTS Swag Bar & Hook, Swag Hook, and T-Bar are compatible with all Power Canopy options and may be required based on lighting design and application

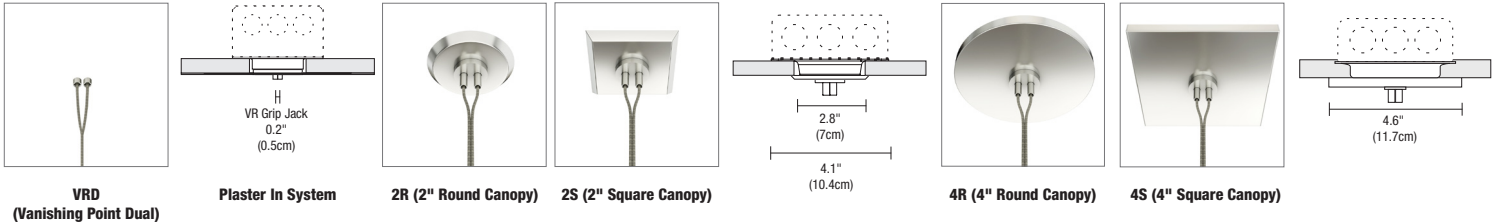
NEW CONSTRUCTION & REMODEL 2" COVER FOR 4" SQUARE JUNCTION BOX

The New Construction NC2-JBOX Cover is included with the 2" Round and Square Canopies and is not required for the 4" Square Canopies. NC2 New Construction Junction Box Cover mounts to a standard 4" Electrical Box or Octagon Box, converting it to a 2" Plaster Ring for use with the 2R (Round) or 2S (Square) Canopy. The Remodel RM2-JBOX Plaster Plate cover is used with an existing 4" Square Junction Box and standard Round Plaster Ring. The PS-60L-ELV-24VDC (50 Watt IC, 60 Watt Non-IC) will fit inside the NC2 or RM2-JBOX Cover and Electrical Junction Box for a flush look.



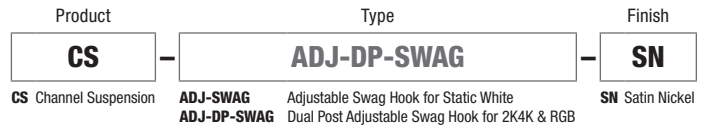
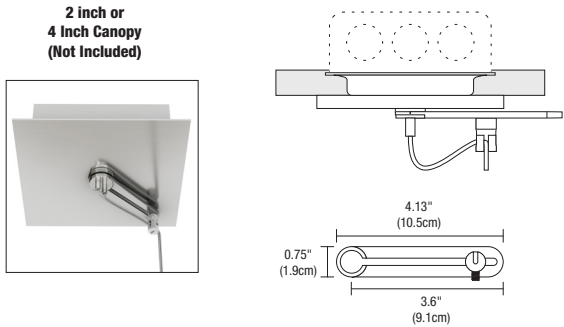
CIRRUS REMOTE POWER CANOPIES (INCLUDED)

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.



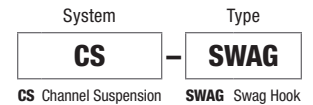
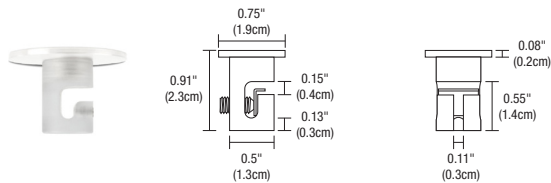
CHANNEL SUSPENSION ADJUSTABLE SWAG BAR AND HOOK

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).



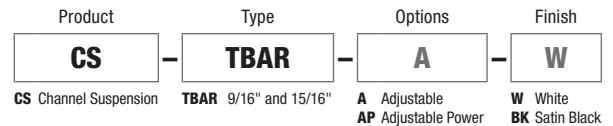
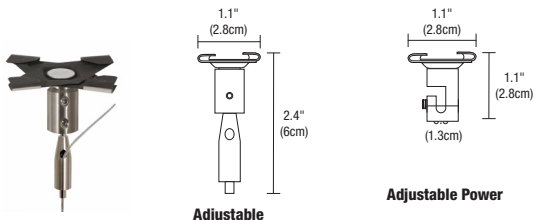
CHANNEL SUSPENSION SWAG HOOK

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



CHANNEL SUSPENSION ADJUSTABLE T-BAR CLIP

Channel Suspension Adjustable T-Bar Clip mounts to T-Bar grid ceilings. Available in Satin Nickel Hardware as Adjustable Power and Non-Power versions.



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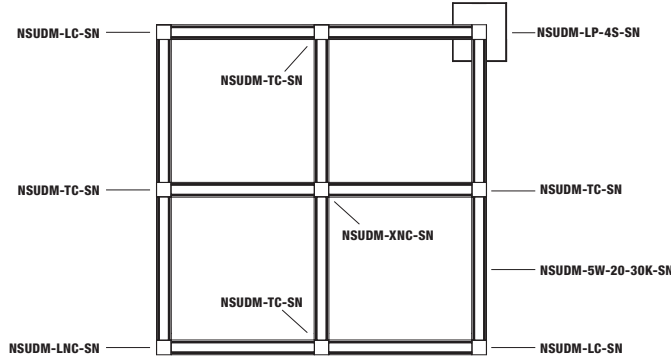
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REV 06.19.20

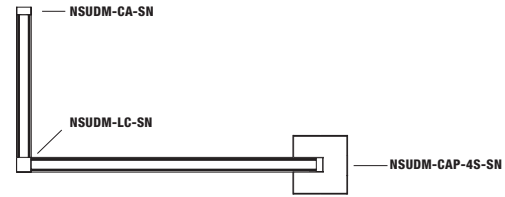
COMPONENTS: Power End Cap, End Cap, Joining Connector, and Raceway Channel

Indicates 24VDC Power Flow

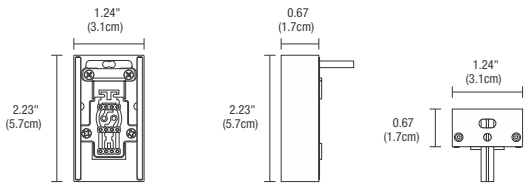


MODULAR CONFIGURATIONS

Use L, T, and X connector to design any Modular formation.



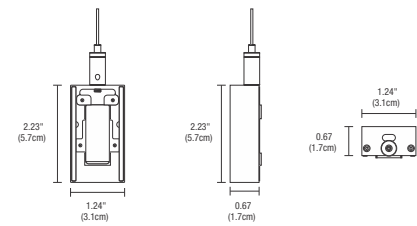
For custom design and layout assistance, send drawings to design@PureEdgeLighting.com.



END CAP POWER CABLE WITH CANOPY OR WITH NO CANOPY

The End Cap Power Connector joins Nova Suspension Up/Down Modular channels and provide power from a remote power supply through a 2 or 4 inch canopy or use the EZ ordering code for no canopy and surface mount power canopies (sold separately). Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.

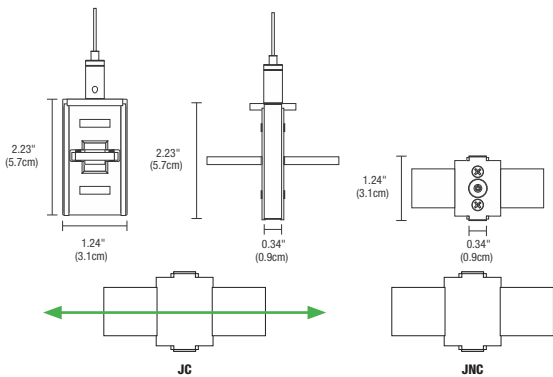
System	Type	Power Canopy	Finish
NSUDM	CAP	2RT	SN
NSUDM Nova Suspension Up/Down Modular	CAP End Cap Power	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K EZ End of cable with no Canopy, used for Surface Mount Power Supplies	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



END CAP

End Caps terminate the Nova Suspension Up/Down Modular channel run and provide a finished look.

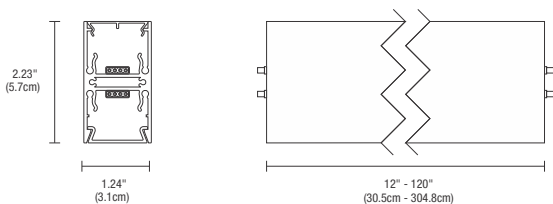
System	Type	Finish
NSUDM	CA	SN
NSUDM Nova Suspension Up/Down Modular	CA End Cap	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



JOINING CONNECTOR

Joining Connector joins two sections of Nova Suspension Up/Down Modular channels in straight runs. It is electrically powered from the previous channel (JC) or isolates the power (JNC). Includes 12 feet of aircraft cable, which easily adjusts at connector.

System	Type	Finish
NSUDM	JC	SN
NSUDM Nova Suspension Up/Down Modular	JC Joining Connector JNC Joining Non-Conductive Connector	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



BLANK CHANNEL - HORIZONTAL

Blank Horizontal Channel physically joins two Nova Suspension Up/Down Modular channel sections, providing structure to desired horizontal configurations without illumination. It also conducts power from one section to another. Includes 12 feet of aircraft cable, which easily adjusts at connector.

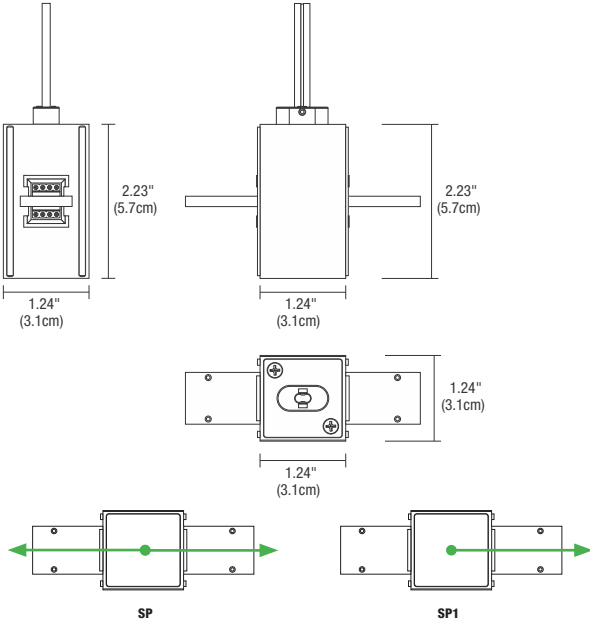
System	Type	Length in Inches	Finish
NSUDM	BCH	120	SN
NSUDM Nova Suspension Up/Down Modular	BCH Blank Channel Horizontal	12-120 Order in 12 inch increments up to 120 inches. May be custom ordered in 3, 5, 8 or 10 inch increments.	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint BZ Antique Bronze Rail

PROJECT	FIXTURE TYPE	DATE
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Components: Straight Connectors

STRAIGHT POWER CONNECTOR WITH CANOPY

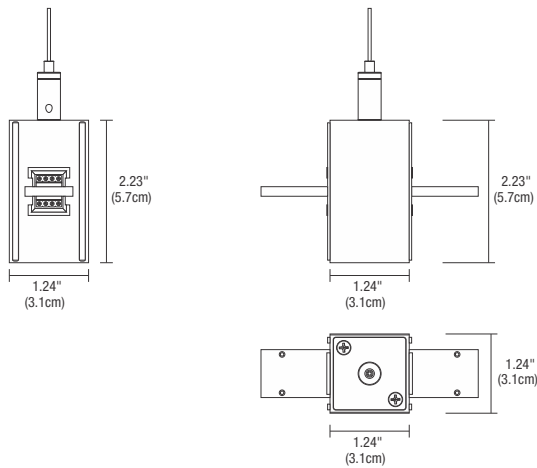
The Straight Power Connector joins two sections of Nova Suspension Up/Down Modular channels to create endless linear lighting configurations. Use as a center power feed (**SP**) electrically powering two sections from a remote power supply or feed the power to one section (**SP1**). Choose the 2 or 4 inch canopy or use the EZ ordering code for no canopy and use surface mount power canopies (sold separately). Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.



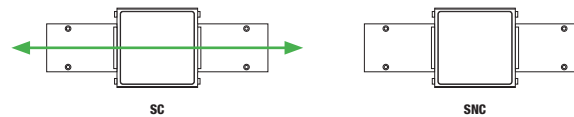
System	Type	Power Canopy	Finish
NSUDM	SP	2RT	SN
NSUDM Nova Suspension Up/Down Modular	SP Straight Center Power Connector, Conductive in 2 sections SP1 Straight Power Connector, Conductive in 1 Section	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K EZ End of cable with no Canopy, used for Surface Mount Power Supplies	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint

STRAIGHT CONNECTOR

Straight Connector joins two sections of Nova Suspension Up/Down Modular channels. It is electrically powered from the previous channel (**SC**) or isolates the power (**SNC**). Includes 12 feet of aircraft cable, which easily adjusts at connector.

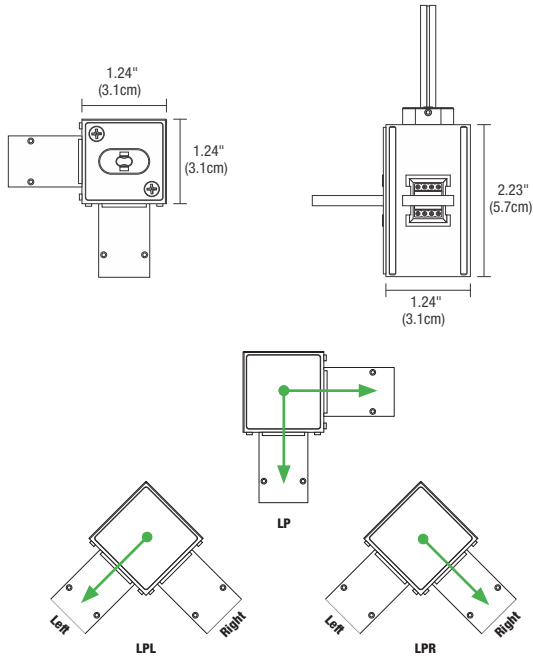


System	Type	Finish
NSUDM	SC	SN
NSUDM Nova Suspension Up/Down Modular	SC Straight Conductive Connector SNC Straight Non-Conductive Connector	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



PROJECT	FIXTURE TYPE	DATE
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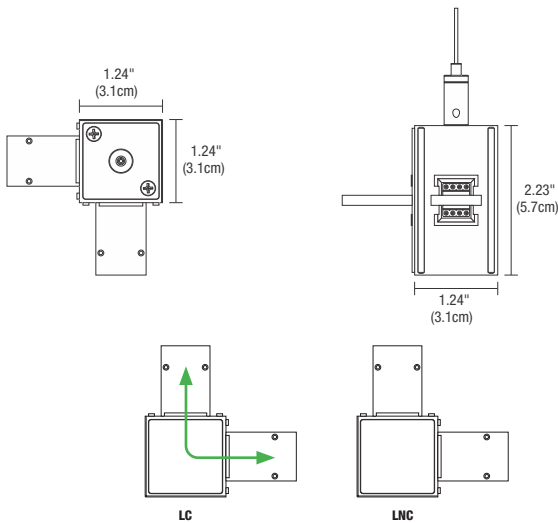
Components: L-Shaped Connectors



L-SHAPED POWER CONNECTOR WITH CANOPY

L-Shaped Power Connector joins two sections of Nova Suspension Up/Down Modular channels at 90 degrees apart. It electrically conducts the power from a remote power supply to section(s): all sections (**LP**), the left section (**LPL**) or right section (**LPR**). Choose the 2 or 4 inch canopy or use the EZ ordering code for no canopy and use surface mount power canopies (sold separately). Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.

System	Type	Power Canopy	Finish
NSUDM	LP	2RT	SN
NSUDM Nova Suspension Up/Down Modular	LP L-Shaped Power Connector, Conductive on 2 Sections LPL L-Shaped Power Connector, Conductive on Left Section LPR L-Shaped Power Connector, Conductive on Right Section	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K EZ End of cable with no Canopy, used for Surface Mount Power Supplies	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



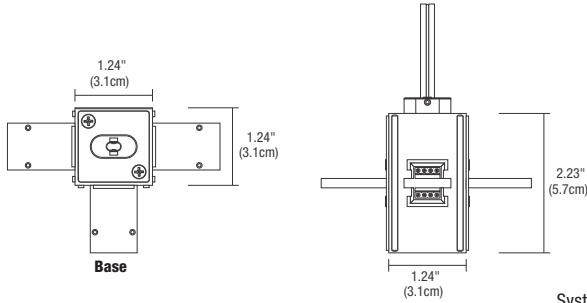
L-SHAPED CONNECTOR

L-Shaped Connector joins two sections of Nova Suspension Up/Down Modular channels at 90 degrees apart, conducting the power (**LC**) or isolating the power (**LNC**). Includes 12 feet of aircraft cable, which easily adjusts at connector.

System	Type	Finish
NSUDM	LC	SN
NSUDM Nova Suspension Up/Down Modular	LC L-Shaped Conductive Connector LNC L-Shaped Non-Conductive Connector	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint

PROJECT	FIXTURE TYPE	DATE
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Components: T-Shaped Connectors



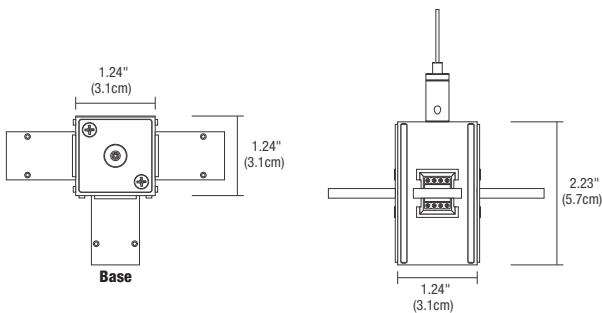
T-SHAPED POWER CONNECTOR WITH CANOPY

The T-Shaped Power Connector joins three sections of Nova Suspension Up/Down Modular channels at 90 degrees apart. It electrically conducts the power from a remote power supply to section(s): all sections (**TP**), straight left to right (**TPS**), base to left (**TPBL**), base to right (**TPBR**), base (**TPB**), left (**TPL**) or right (**TPR**). Choose the 2 or 4 inch canopy or use the EZ ordering code for no canopy and use surface mount power canopies (sold separately). Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.

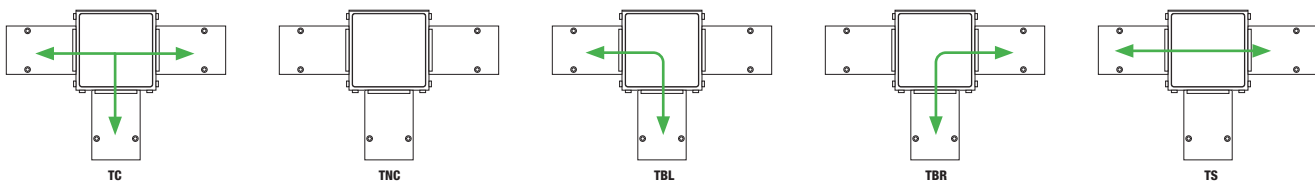
System	Type	Power Canopy	Finish
NSUDM	TP	2RT	SN
NSUDM Nova Suspension Up/Down Modular	TP T-Shaped Power Connector, Conductive on 3 Sections TPS T-Shaped Connector, Conductive through Left & Right Sections TPBL T-Shaped Power Connector, Conductive on Base & Left Sections TPBR T-Shaped Power Connector, Conductive on Base & Right Sections TPB T-Shaped Power Connector, Conductive on Base TPL T-Shaped Power Connector, Conductive on Left Sections TPR T-Shaped Power Connector, Conductive on Right Side	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K EZ End of cable with no Canopy, used for Surface Mount Power Supplies	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint

T-SHAPED CONNECTORS

T-Shaped Connector joins three sections of Nova Suspension Up/Down Modular channels at 90 degrees apart. It isolates the power of each section (**TNC**); or electrically conducts the power to section(s): all sections (**TC**), base to left section (**TBL**), base to right section (**TBR**) or straight from left to right section (**TS**). Includes 12 feet of aircraft cable, which easily adjusts at connector.

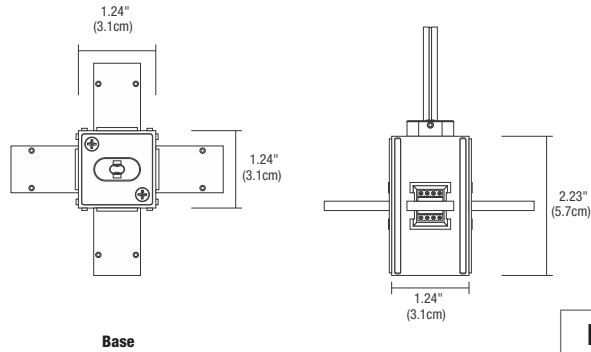


System	Type	Finish
NSUDM	TC	SN
NSUDM Nova Suspension Up/Down Modular	TC T-Shaped Conductive Connector TNC T-Shaped Non-Conductive Connector TBL T-Shaped Connector, Conductive on Base and Left Sections TBR T-Shaped Connector, Conductive on Base and Right Sections TS T-Shaped Connector, Conductive Straight through Left and Right Sections	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



PROJECT	FIXTURE TYPE	DATE
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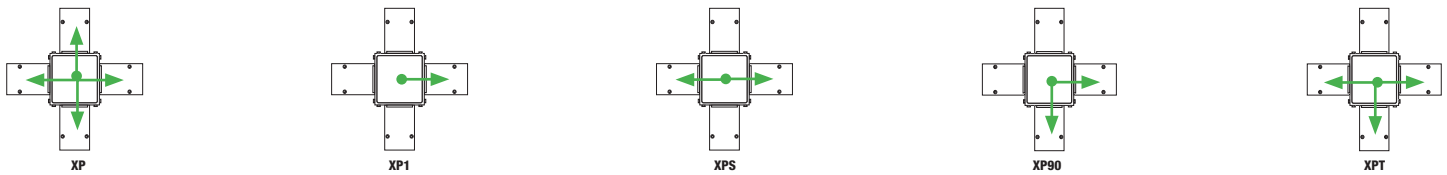
Components: X-Shaped Connectors and 120 Degree Connectors



X-SHAPED POWER CONNECTOR WITH CANOPY

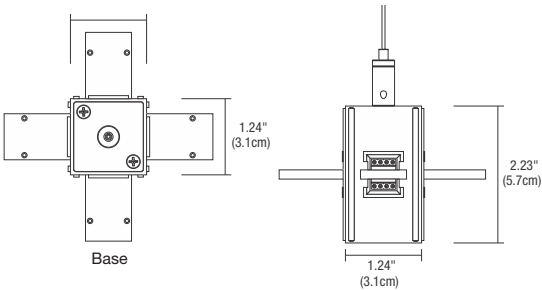
X-Shaped Power Connector joins four sections of Nova Suspension Up/Down Modular channels at 90 degrees apart. It electrically conducts the power from a remote power supply to section(s): all sections (**XP**), one section (**XP1**), straight through two sections (**XPS**), two sections with 90 degree turn (**XP90**), or in a T-Shaped section (**XPT**). Choose the 2 or 4 inch canopy or use the EZ ordering code for no canopy and use surface mount power canopies (sold separately). Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.

System	Type	Power Canopy	Finish
NSUDM	XP	2RT	SN
NSUDM Nova Suspension Up/Down Modular	XP X-Shaped Power Connector, Conductive on 4 Sections XP1 X-Shaped Power Connector, Conductive on 1 Section XPS X-Shaped Power Connector, Conductive Straight through 2 Sections XP90 X-Shaped Power Connector, Conductive on 2 Sections, 90 Degree Turn XPT X-Shaped Power Connector, Conductive on 3 Sections	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K EZ End of cable with no Canopy, used for Surface Mount Power Supplies	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint

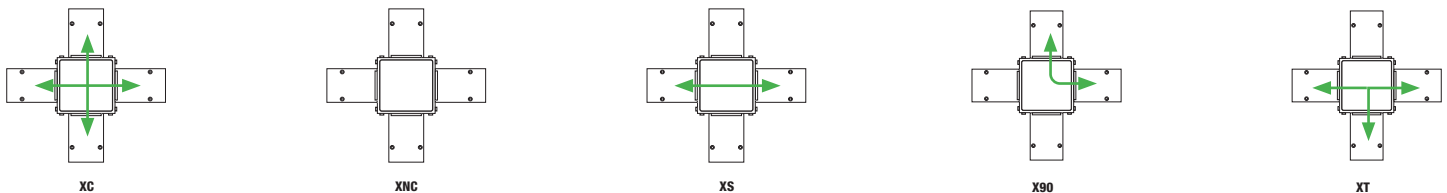


X-SHAPED CONNECTOR

X-Shaped Connector joins four sections of Nova Suspension Up/Down Modular channels at 90 degrees apart. It isolates the power of each section (**XNC**) or electrically conducts the power to section(s): all sections (**XC**), straight through two sections (**XS**), two sections with 90 degree turn (**X90**), or in a T-Shaped section (**XT**). Includes 12 feet of aircraft cable, which easily adjusts at connector.



System	Type	Finish
NSUDM	XC	SN
NSUDM Nova Suspension Up/Down Modular	XC X-Shaped Conductive Connector XNC X-Shaped Non-Conductive Connector XS X-Shaped Connector, Conductive Straight through 2 Sections X90 X-Shaped Connector, Conductive on 2 Sections, 90 Degree Turn XT X-Shaped Connector, Conductive on 3 Sections	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint



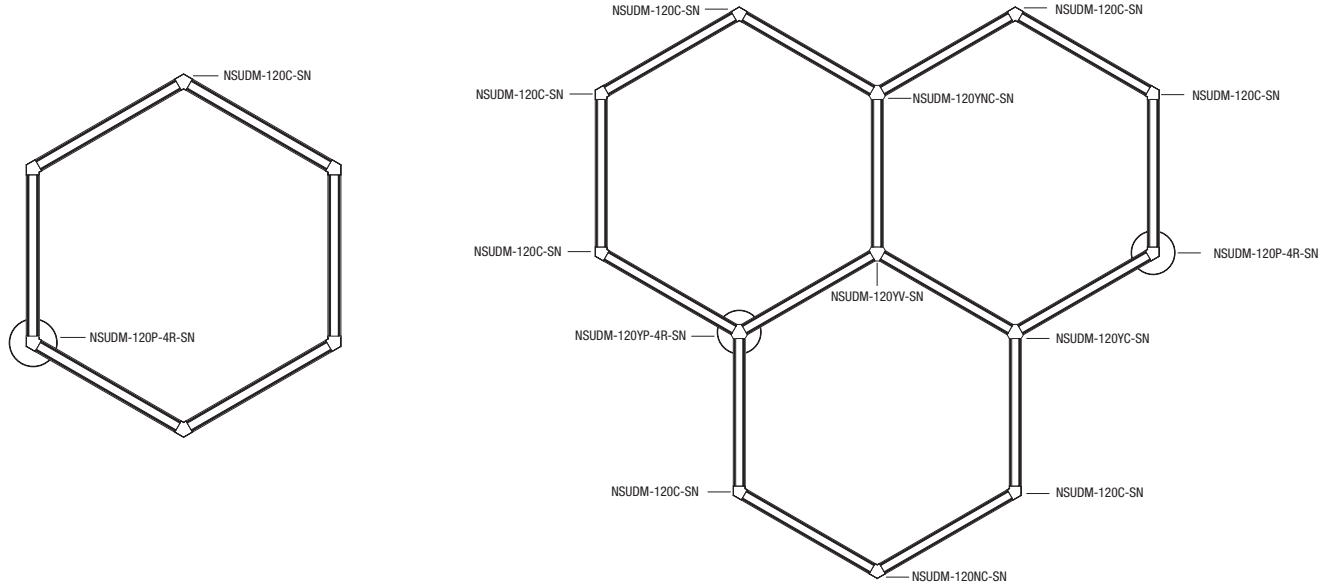
PROJECT	FIXTURE TYPE	DATE
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NOVA LED SUSPENSION UP / DOWN
 MODULAR SYSTEM - REMOTE POWER, DYNAMIC TUNABLE WHITE 2K4K

REV 06.19.20

Indicates 24VDC Power Flow →

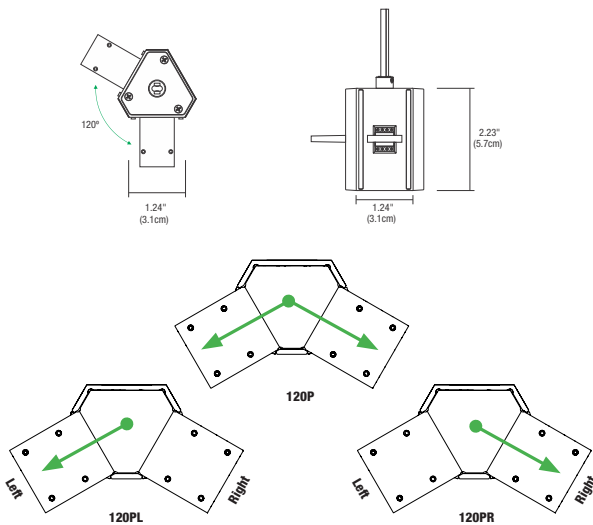
Components: 120 Degree Connectors



Hexagon Configuration, 120 degree connectors: Use 120P and 120C to design any size from 25 inches to 25 feet

120 DEGREE POWER CONNECTOR WITH CANOPY

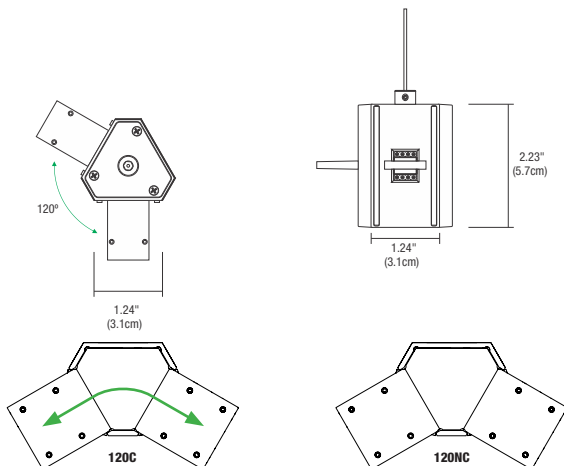
120 Degree Power Connector joins two sections of Nova Suspension Modular Downlight at 120 degrees apart. It electrically conducts the power from a remote power supply to section(s); all sections (**120P**), the left section (**120PL**) or right section (**120PR**). Choose the 2 or 4 inch canopy, or use the EZ code for surface mount power supply. Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.



System	Type	Power Canopy	Finish
NSUDM	120P	2RT	SN
NSUDM Nova Suspension Up/Down Modular	120P 120 Degree Power Connector 120PL 120 Degree Power Connector, Conductive on Left Sections 120PR 120 Degree Power Connector, Conductive on Right Sections	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K 2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K 4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K 4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K EZ End of cable with no Canopy, used for Surface Mount Power Supplies	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint

120 DEGREE CONNECTOR

120 Degree Connector joins two sections of Nova Suspension Modular Downlight at 120 degrees apart, conducting the power to all sections (**120C**) or isolating the power (**120NC**). Includes 12 feet of adjustable aircraft cable and ceiling anchors.



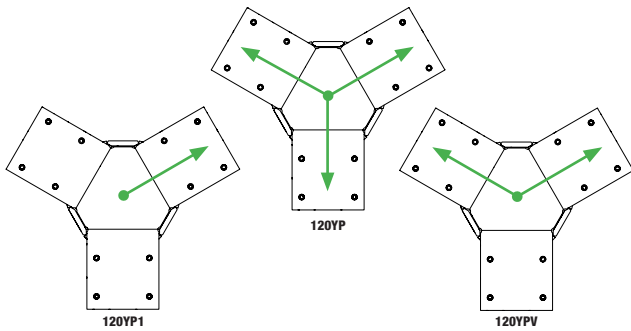
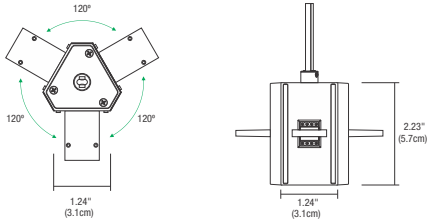
System	Type	Finish
NSUDM	120C	SN
NSUDM Nova Suspension Up/Down Modular	120C 120 Degree Connector 120NC 120 Degree Non-Conductive Connector	BK Black Powder Paint CH Chrome SN Satin Nickel WH White Powder Paint

PROJECT	FIXTURE TYPE	DATE
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Honeycomb Configuration, 120 degree connectors: Use 120YP, 120P, 120YC, and 120C to design any size from 25 inches to 25 feet

120 DEGREE Y-SHAPED POWER CONNECTOR WITH CANOPY

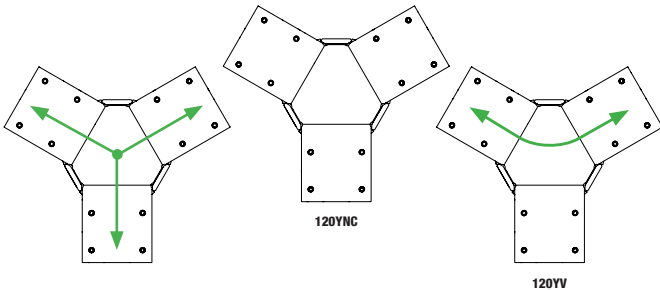
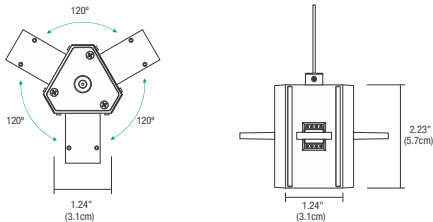
120 Degree Y-Shaped Power Connector joins and powers three sections of Nova Suspension Modular Downlight at 120 degrees apart. It electrically conducts the power from a remote power supply to section(s): all sections (**120YP**), one section (**12YP1**) or two sections (**120YPV**). Choose the 2 or 4 inch canopy, or use the EZ code for surface mount power supply. Also includes 12 feet of power cable, which easily adjusts at the canopy with the push-in grip jack connector.



System	Type	Power Canopy	Finish
NSUDM Nova Suspension Up/Down Modular	120YP 120 Degree Y-Shaped Power Connector	2RT 2.8" Round Canopy w/ Two Pair Wire for 2K4K	BK Black Powder Paint
	120YP1 Conductive 1 Section	2ST 2.8" Square Canopy w/ Two Pair Wire for 2K4K	CH Chrome
	120YPV Conductive 2 Sections	4RT 4.6" Round Canopy w/ Two Pair Wire for 2K4K	SN Satin Nickel
		4ST 4.6" Square Canopy w/ Two Pair Wire for 2K4K	WH White Powder Paint
		VRT Vanishing Point Plaster in system with No Canopy w/ Two Pair Wire for 2K4K	
		EZ End of cable with no Canopy, used for Surface Mount Power Supplies	

120 DEGREE Y-SHAPED CONNECTOR

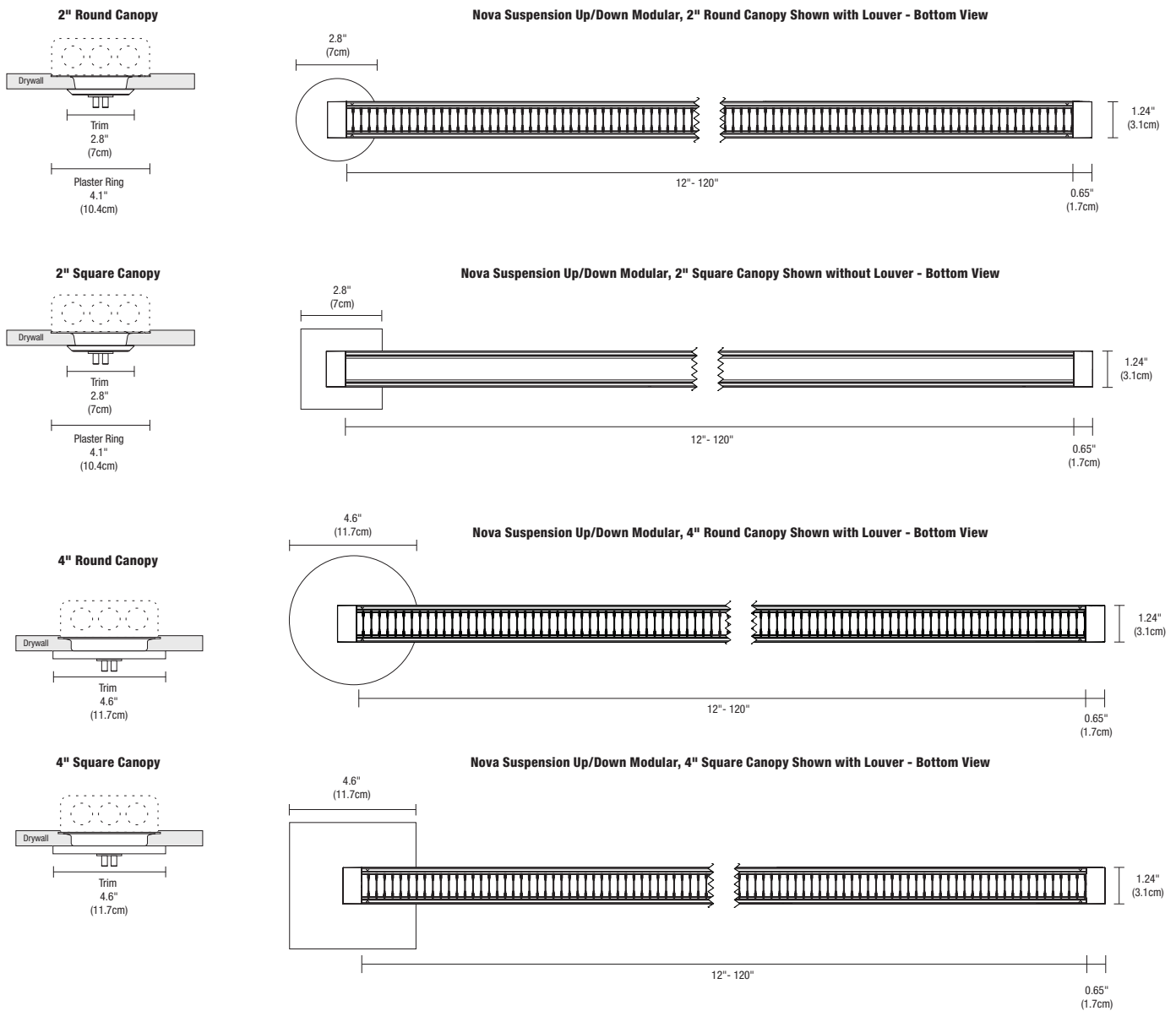
120 Degree Y-Shaped Connector joins three sections of Nova Suspension Modular Downlight at 120 degrees apart. It isolates the power of each section (**120YNC**); or electrically conducts the power to section(s): all sections (**120YC**) or straight through two sections (**120YV**). Includes 12 feet of adjustable aircraft cable and ceiling anchors.



System	Type	Finish
NSUDM Nova Suspension Up/Down Modular	120YNC 120 Degree Y-Shaped Non-Conductive Connector	BK Black Powder Paint
	120YC 120 Degree Y-Shaped Conductive Connector	CH Chrome
	120YV 120 Degree Y-Shaped Conductive Straight through 2 Sections	SN Satin Nickel
		WH White Powder Paint

PROJECT	FIXTURE TYPE	DATE
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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



Finishes: The finishes available for the Nova Suspension Up and Down with Remote Power - End Feed



PROJECT		FIXTURE TYPE		DATE	
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Required Components: Grip jack suspension canopies with power supplies

GRIP JACK SUSPENSION CANOPIES WITH POWER SUPPLIES (USE WITH "EZ" ORDERING CODE)				
ORDERING CODES	GSP-4RD-1DP-50-ELV-__ GSP-4SQ-1DP-50-ELV-__ 	GSP-5SQ-1DP-2X60-ELV-__ 	GSP-5SQ-1DP-2X60-ELV-__ 	GSP-6SQ-1DP-2X100-ELV-__
SPECIFICATIONS				
DESCRIPTION	Grip Jack Suspension canopy with Remodel 4.6" canopy and 50 watt power supply that fits in existing junction box with 1-port power feed	2x60W Grip Jack Suspension 5" square Surface Mount canopy with 2-port feed	2x60W Grip Jack Suspension 5" square Surface Mount canopy with 2-port feed used with Nova Up/Down	2x100W or 2x150W Grip Jack Suspension 6" square Surface Mount canopy with Dual-Port feed
MAXIMUM LOAD	60W-NON IC, 50W-IC (FITS IN JBOX)	2X60W	2X60W	2X100W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	4.6" x 4.6" x .2"	5.5" X 5.5" X 1.5"	5.5" X 5.5" X 1.5"	6.5" X 6.5" X 1.875"
FINISH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	100W CLASS 2 150W UL2108
MOUNTING	REMODEL CONSTRUCTION POWER SUPPLY RECESSED IN JBOX	SURFACE MOUNT	SURFACE MOUNT	SURFACE MOUNT
EFFICIENCY	85%	85%	85%	85%
SHORT CIRCUIT PROTECTION	YES	YES	YES	YES
OVER TEMPERATURE PROTECTION	YES	YES	YES	YES
WORKING TEMPERATURE	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C
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	•	•	•

GRIP JACK SUSPENSION CANOPIES WITH POWER SUPPLIES (USE WITH "EZ" ORDERING CODE)*				
ORDERING CODE	GSP-12RE-1P-60-010-SN 	GSP-26RE-2P-60-010-SN 	GSP-26RE-1P-100-010-SN 	GSP-26RE-2P-2X100-010-SN
SPECIFICATIONS				
DESCRIPTION	12" x 5" Surface Mount Power Canopy with a 60 Watt, 0-10V Power Supply & 1-Port Feed	26" x 5" Surface Mount Power Canopy with two 60 Watt, 0-10V Power Supply & 2-Port Feed	26" X 5" Surface Mount Power Canopy with a 100 Watt, 0-10V Power Supply & 1-Port Feed	26" X 5" Surface Mount Power Canopy with a 2x100 watt, 0-10V Power Supply & 1-Port Feed
MAXIMUM LOAD	60W	2X60W, 120 MAX.	100W	2x100W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12" X 5" CANOPY, 13" X 6" COVER PLATE	26" X 5" CANOPY, 13" X 6" COVER PLATE	26" X 5" CANOPY, 27" X 6" COVER PLATE	26" X 5" CANOPY, 27" X 6" COVER PLATE
FINISHES	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH	BK, CH, SN, WH
MOUNTING	SURFACE MOUNT CANOPY	SURFACE MOUNT CANOPY	SURFACE MOUNT CANOPY	SURFACE MOUNT CANOPY
EFFICIENCY	90%	90%	90%	90%
SHORT CIRCUIT PROTECTION	YES	YES	YES	YES
WORKING TEMPERATURE	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C	-30°C TO 90°C
DIMMING & CONTROLS				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA: DVTW-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	•	•	•	•

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

PROJECT		FIXTURE TYPE		DATE	
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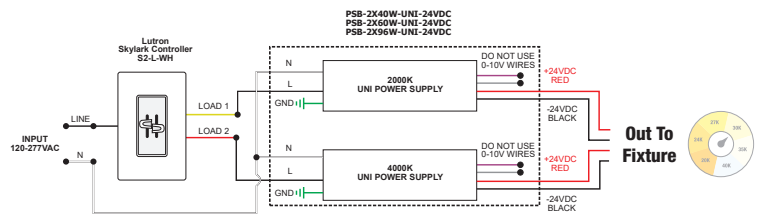
UNIVERSAL POWER SUPPLIES & RECOMMENDED DIMMERS [†]				
ORDERING CODE	PSB-2X40W-UNI-24VDC	PSB-2X60W-UNI-24VDC	PSB-2X96W-UNI-24VDC	PSB-4X96W-UNI-24VDC
				
SPECIFICATIONS				
MAXIMUM LOAD	2X40W	2X60W	2X96W	4X96W
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"	12.15" X 6.48" X 2.18"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-2X40W-UNI-24VDC-IW	PSB-2X60W-UNI-24VDC-IW	PSB-2X96W-UNI-24VDC-IW	NA
ELV DIMMING & CONTROLS				
LUTRON DIVA: DVELV-300P	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•
LEGRAND ADRNE: ADTP-703TUM4	•	•	•	•
0-10 DIMMING & CONTROLS				
PHILIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA: DVTW-WH, DVSTV-WH	•	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•	•
LUTRON GRAFIK EYE QS: QSGRJ-XP	•	•	•	•
LUTRON RADIO RA2: RRD-10ND	•	•	•	•
LEVITON: LEV40050	•	•	•	•
LEVITON IP710-LFZ	•	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•	•
TRIAC DIMMING & CONTROLS				
LUTRON SKYLARK: S2-L-WH	•	•	•	•
LUTRON DVLV-600P-WH	•	•	•	•
LUTRON DVLV-603P-WH	•	•	•	•
LUTRON MALV-600-WH	•	•	•	•
LUTRON MALV-1000-WH	•	•	•	•
LUTRON MA-R-XX	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements
- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

- The Solid State Constant Voltage Uni-Power Supply is compatible with most commercially available Dimmers:
 - Triac Dimmer: (Forward Phase) Typically used for the dimming of Incandescent and Low Voltage Magnetic Transformers
 - ELV Dimmer: (Reverse Phase) Dimming of Electronic Low Voltage Transformers and Power Supply's used for LED lighting
 - 0-10 Dimmer: Dims the Low Voltage side of a 0-10 volt power supply commonly used in large scale lighting or commercial applications.
- The Uni-Power Supply is recommended with any Siemens/Murray brand of arc fault breaker to overcome the issues with tripping the breakers with an ELV LED Low Voltage Drivers.

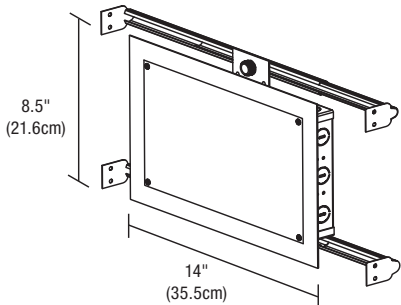
MAXIMUM LENGTH

POWER SUPPLY	5 WATTS	10 WATTS
PSB-2X40W-UNI-24VDC	8 FEET	4 FEET
PSB-2X60W-UNI-24VDC	12 FEET	6 FEET
PSB-2X96W-UNI-24VDC	20 FEET	10 FEET



Configuration 1
 S2-L-WH (TRIAC) Single Pole Dimming with Dual Universal Power Supplies

IN WALL MOUNTING OPTIONS



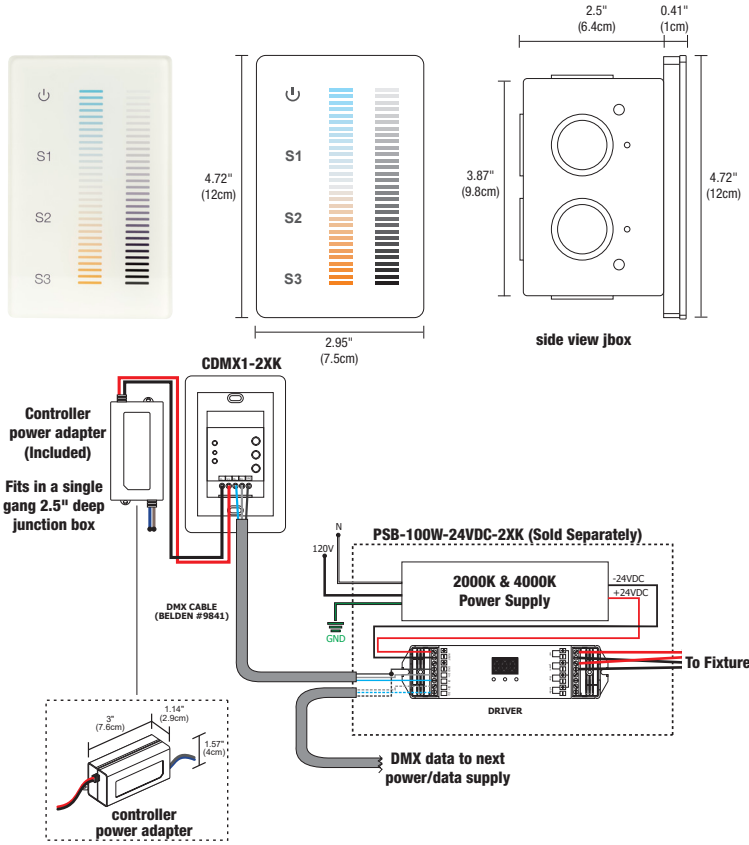
In-Wall Mounting Kit: Includes power supply, box cover and stud hangers for installing Junction Box in wall. Select "IW" in the options section of compatible power supply ordering codes if an In-Wall Mounting Kit is needed.

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

PROJECT		FIXTURE TYPE		DATE	
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DYNAMIC/TUNABLE WHITE CONTROLLER AND POWER SUPPLIES

24VDC INDOOR CONSTANT VOLTAGE POWER SUPPLIES WITH DMX DRIVERS



DESCRIPTION:

The Dynamic/Tunable White (**2K4K**) Touch Controller offers fast and accurate Color Temperature adjustment and the ability to regulate the Brightness Independently. The modern Glass faceplate features illuminated indicators, and a back-lit night light that softly illuminates the controller when powered off. Designed for Dynamic/Tunable White, and dual-color LED installations within a single zone. The two Vertical Touch sliders are precise and sensitive, allowing you to fine-tune your perfect Color Temperature at any point between **2000K (Sunset) to 4000K (Cool White)** while selecting over **250 levels** of Brightness in a smooth, uninterrupted transition. Create Thousands of Dynamic White Color Combinations while maintaining even Brightness and overall saturation. Easily save three pre-set scenes for different times of the day. Support health, performance, and general well-being using Human-Centric lighting by fine-tuning the biological effects that light has on the circadian cycle using the latest in LED technology. Includes a power adapter that fits behind the controller within a standard junction box and fits inside a standard single-gang receptacle (not for use in a multi-gang box). Use with an insulated, 24 AWG stranded, tinned copper wire (Belden #9841). Power Supplies are Sold Separately. Includes a 5 year pro-rated warranty.

APPLICATIONS:

Indoor

OUTPUT SIGNAL:

USITT DMX 512 (1990)

INSTALLATION:

Fits in a single gang 2.5 inch deep junction box. Not compatible with multi-gang boxes.

LABELS:

ROHS, FCC, Damp Location, ETL/UL

POWER INPUT:

120-240VAC

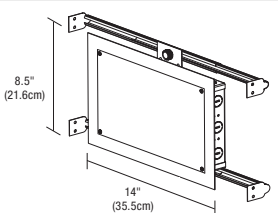
Product	Type	Finish
CDMX1	2XK	WH
CDMX1 DMX Single Zone Touch Controller	2XK 2 X Kelvin	WH White

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS*				
ORDERING CODE	PSB-100W-24VDC-2XK	PSB-2X100W-24VDC-2XK	PSB-3X100W-24VDC-2XK	PSB-4X100W-24VDC-2XK
SPECIFICATIONS				
MAXIMUM LOAD OF LED STRIP LENGTH	100W 5 WATTS - 20FT MAX. 10 WATTS - 10FT MAX.	2X100W 5 WATTS 2 X 20FT MAX. 10 WATTS - 2 X 10FT MAX.	3X100W 5 WATTS 3 X 20FT MAX. 10 WATTS - 3 X 10FT MAX.	4X100W 5 WATTS 4 X 20FT MAX. 10 WATTS - 4 X 10FT MAX.
INPUT VOLTAGE	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 6.48" X 2.18"	14" X 10" X 3"	17" X 10" X 3"	17" X 10" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
IN-WALL MOUNTING	PSB-100W-24VDC-2XK-IW	NA	NA	NA
DMX DYNAMIC/TUNABLE WHITE DIMMING & CONTROLS				
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	•	•	•	•

- Flicker free dimming
- Aluminum casing for optimal heat dissipation
- Isolated output power per NEC and UL safety requirements
- UL & ETL recognized/ listed, meets UL 8750, 1310 requirements

- Auto-reset; short circuit, overload and thermal protection
- Class 2 power supply
- Efficient, High power factor > 0.90

IN WALL MOUNTING OPTIONS



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

Ordering Codes: PSB-100W-24VDC-2XK-IW

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

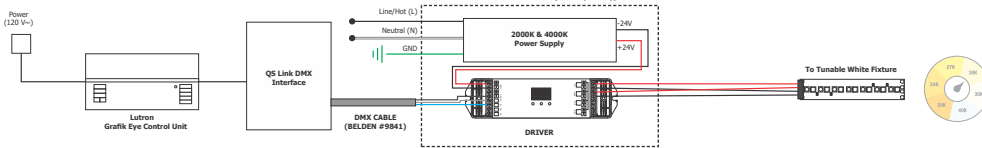
†24K - 57K color temperatures are compatible with 0-10V, ELV, and Lutron Hi-Lume® Power Supplies. Warm Dim (27D, 30D) color temperatures are only compatible with ELV power supplies.

*Tunable White (2K4K) Color Temperature is compatible with 0-10V, ELV, DMX, and Lutron Hi-Lume® Power Supplies. Dynamic Color (RGB, RGB+W) and Static Color (Amber, Blue, Green, or Red) are compatible with DMX Power Supplies.

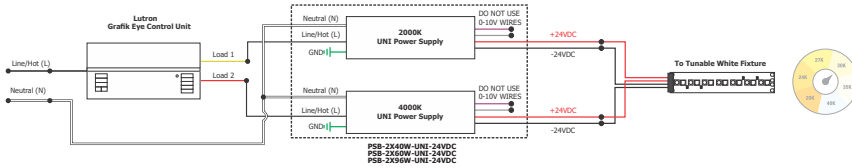
**Tunable White (2K4K) uses one or two power supplies, dependent on the controller or dimmer(s) used.

Lutron Hi-Lume® can be used in both single or dual power formats, dependent on the controller or dimmer(s). Specify amount of Power Supplies based on this.

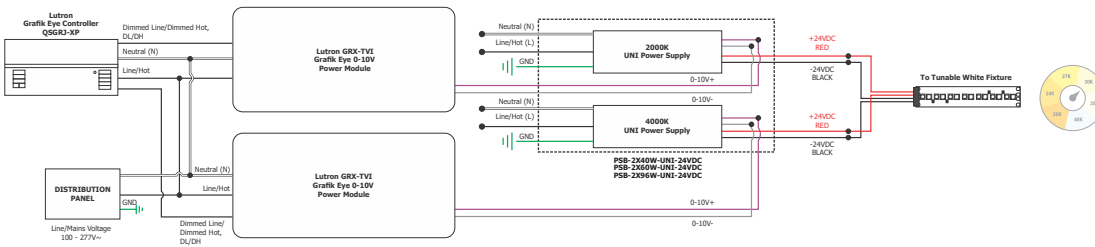
WIRING DIAGRAM: DMX Control with Lutron Grafik Eye Control Unit



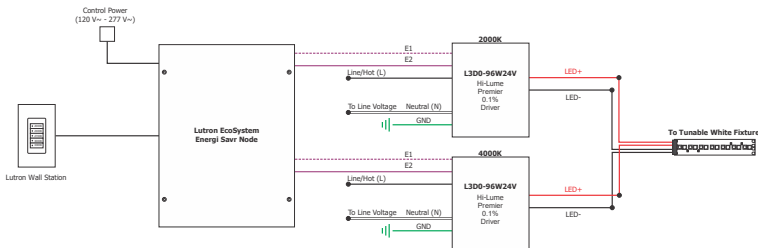
WIRING DIAGRAM: Line Voltage Dimming with Lutron Grafik Eye Control Unit



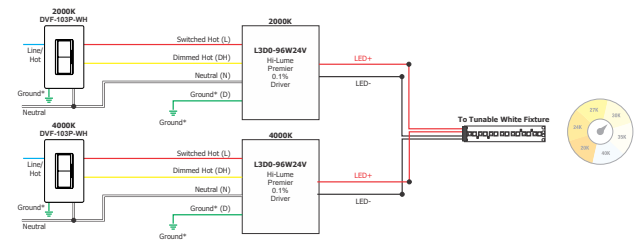
WIRING DIAGRAM: 0-10V Dimming with Lutron Grafik Eye Control Unit or Wall box controller



WIRING DIAGRAM: 2-Wire EcoSystem Panel



WIRING DIAGRAM: 3-Wire EcoSystem Wall Box



PROJECT	FIXTURE TYPE	DATE
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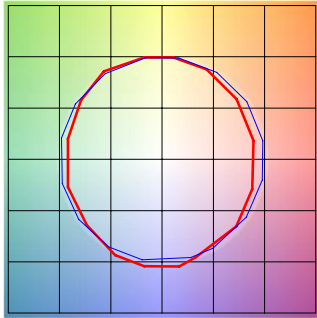
SUSPENSION TM30 DATA

MODULAR SYSTEM - REMOTE POWER, DYNAMIC TUNABLE WHITE 2K4K

TM-30-15 DATA: The data below is for SS2C, 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.

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

Color Vector Graphic

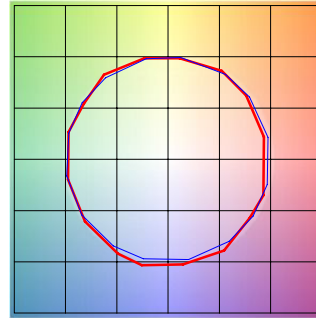


Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	80.3	-8.9%	1.7%
2	79.7	-7.0%	7.8%
3	78.9	-2.9%	10.0%
4	89.5	-0.5%	5.1%
5	94.4	0.7%	1.7%
6	92.1	2.4%	-0.3%
7	89.4	-2.4%	-5.9%
8	89.7	-6.4%	-0.2%
9	86.0	-4.9%	4.6%
10	81.8	-3.4%	9.3%
11	83.1	3.3%	9.7%
12	85.8	5.6%	3.3%
13	85.6	6.2%	-12.8%
14	61.7	-1.9%	-19.0%
15	79.7	-3.3%	-12.9%
16	78.1	-7.9%	-10.6%

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

Color Vector Graphic

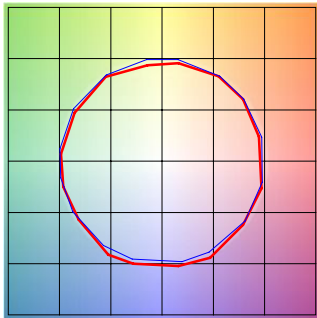


Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	90.9	-3.8%	1.3%
2	91.7	-1.9%	3.3%
3	88.7	0.7%	5.1%
4	92.4	-1.0%	0.7%
5	92.9	0.9%	1.7%
6	93.1	3.3%	-0.6%
7	91.0	-1.8%	-0.4%
8	97.0	0.2%	-1.1%
9	92.8	-0.5%	3.6%
10	88.3	1.0%	7.0%
11	87.1	3.8%	7.8%
12	87.6	6.5%	-0.3%
13	89.3	3.6%	-6.3%
14	86.1	4.5%	-9.1%
15	91.6	-1.9%	-3.1%
16	83.8	-1.5%	-11.2%

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

Color Vector Graphic



Test Reference

HUE BIN	Rf	GRAPHIC SHIFTS %	
		CHROMA	HUE
1	91.3	-2.5%	1.0%
2	95.3	-0.5%	0.5%
3	94.3	-0.7%	1.1%
4	91.1	-3.4%	-1.1%
5	89.5	-5.6%	0.0%
6	94.6	-1.4%	1.3%
7	93.2	-3.0%	2.6%
8	91.3	-1.8%	4.6%
9	86.5	-0.9%	9.1%
10	83.3	-0.5%	9.5%
11	83.3	4.9%	9.0%
12	89.7	4.1%	1.7%
13	90.1	3.6%	-4.3%
14	93.4	5.2%	-2.1%
15	87.4	0.4%	-4.3%
16	86.6	0.4%	-6.1%

PROJECT	FIXTURE TYPE	DATE
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