

Description:

Twigg D1 Tunable White features a direct 1 inch milky white diffuser lens that provides uniform, tunable white light. At 5 watts per foot, the 24VDC Vanity contains commercial-grade, 90+CRI white LEDs ranging from 2000K to 4000K. Twigg is available in various 12 inch increments up to 120 inches. May be ordered in 3, 5, 8, or 10 inch increments. It may be ordered with a 4-inch square canopy or slim-profile junction box. The system is powered with compatible 24 volt DC remote located power supplies and can be controlled with a variety of dimmers or controllers (sold separately). Fixture includes a 5 year warranty.

Finish:

Satin Aluminum, Satin Nickel, Chrome, Antique Bronze, Satin Black and White

Applications:

Indoor Only - Bathroom vanity, architectural lighting, task lighting, general lighting, cove, and retail.

Lamp: The average LED Life is 50,000 hours

LED	CRI	Average Power per Ft (Watts)	Total Output, Lumens per Watt	Total Output, Lumens per Foot
Tunable White 2000K-4000K (3000K)	90+	4.7W	41	190
2000K	85+	2.6W	32	84
4000K	90+	2.6W	47	124

Remote Power Supplies*, Dimmers & Controls

(Sold Separately):

- Electronic Low Voltage Dimming (ELV)
- 0-10 Volt Dimming (0-10V)
- Dynamic Color Changing (DMX)
- Lutron Hi-lume®

*In-Wall Mounting Kits available for select power supplies

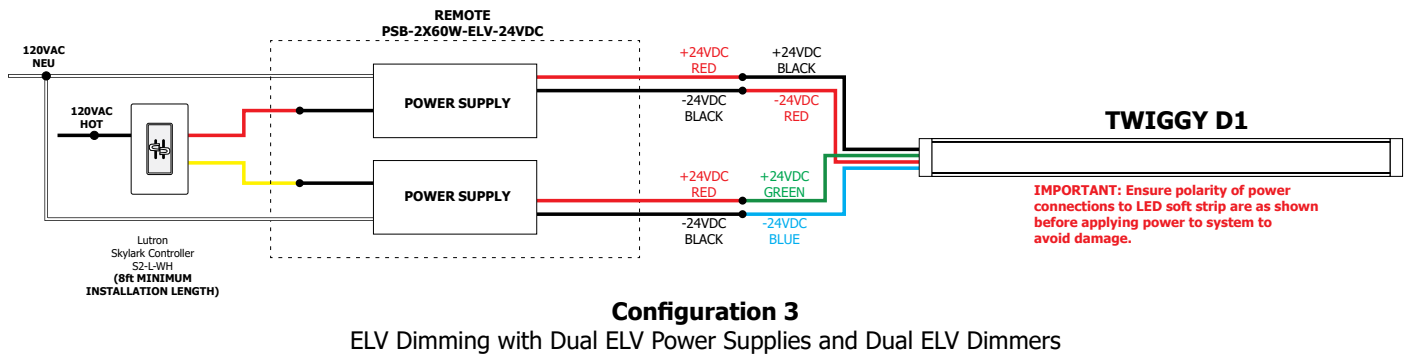
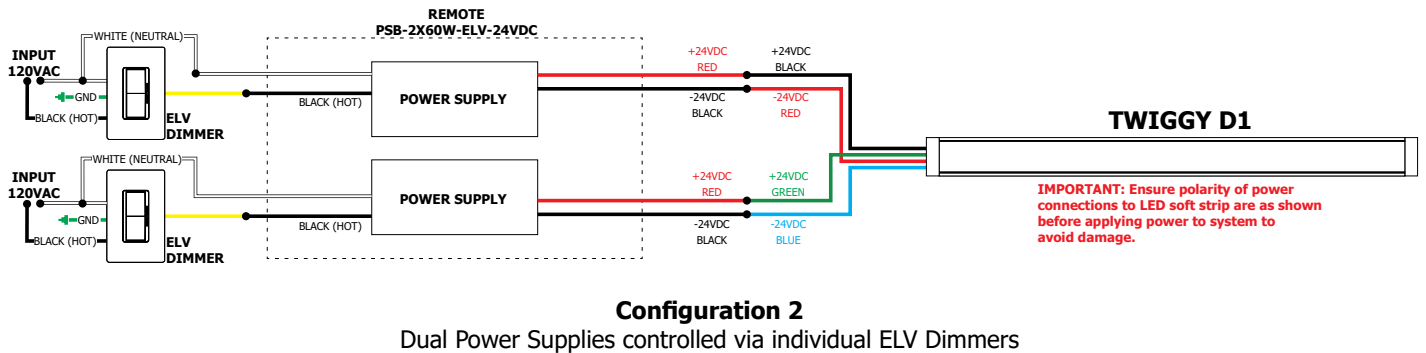
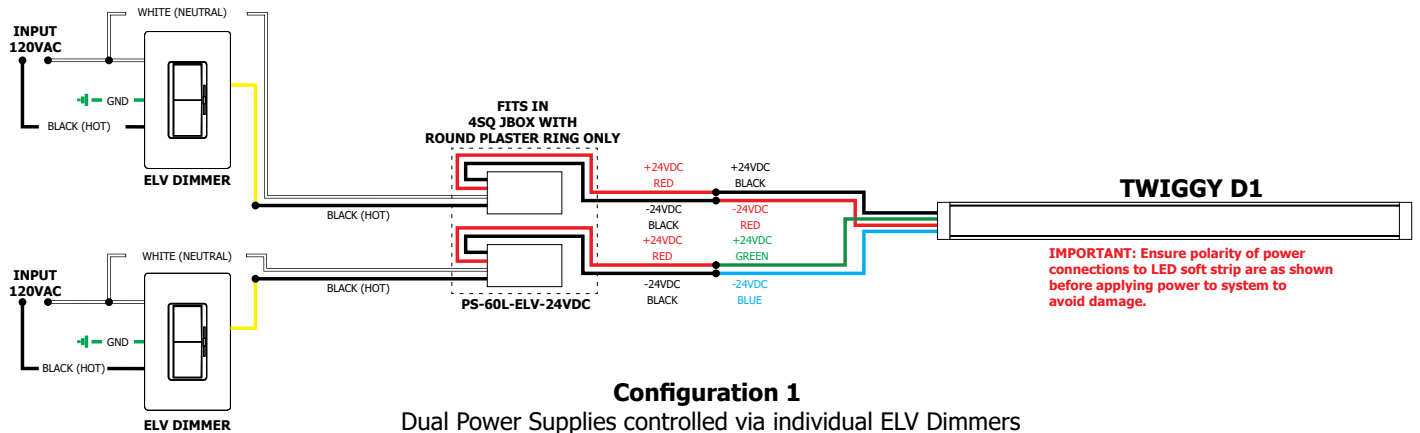
Product	Lens	Canopy	Length In Inches	Color Temperature	Finish
TW2	D1	1RE	12IN	2K4K	SA
TW2 Twigg 24 Volt DC	D1 Direct 1"	4SQ 1RE 4" Square 1" Rectangle with Junction Box (With Remote Power Supply)	12-120 Order in 12 inch increments up to 120 inches. May be ordered in 3, 5, 8, or 10 inch increments.* Chrome max 84".	2K4K Tunable White 2000K-4000K	SA Satin Aluminum SN Satin Nickel CH Chrome (Max 84") BZ Antique Bronze BK Satin Black WH White

* See page 5 of spec sheet for actual lengths

Application: ELV Dimming with Dual ELV Power Supplies and Individual ELV Dimmers for Twiggy D1 Tunable White

Power Supply: Remote, Class 2, 24VDC output: 120VAC input,
 Configuration 1: PS-60L-ELV-24VDC (Only compatible with 4SQ Canopy)
 Configuration 2: PSB-2X60W-ELV-24VDC
 Configuration 3: PSB-2X60W-ELV-24VDC with Lutron Skylark Controller

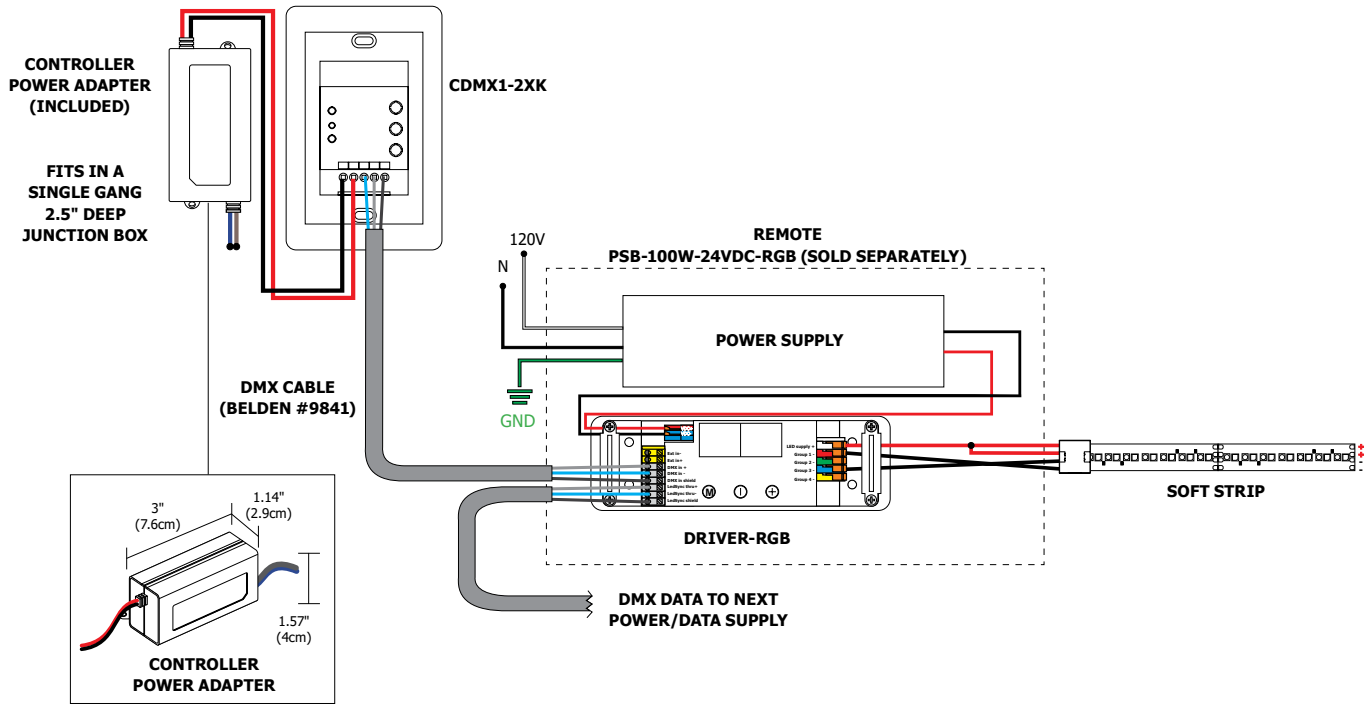
Dimming: Dimmable with Individual ELV Dimmers using power supplies above: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2.



Application: DMX Control options for Twiggy

Power Supply: Remote, Class 2, 24VDC output: 120VAC input, PSB-100W-24VDC-RGB

Controls: Integrated RGB Driver receives signals from compatible controller



PROJECT:

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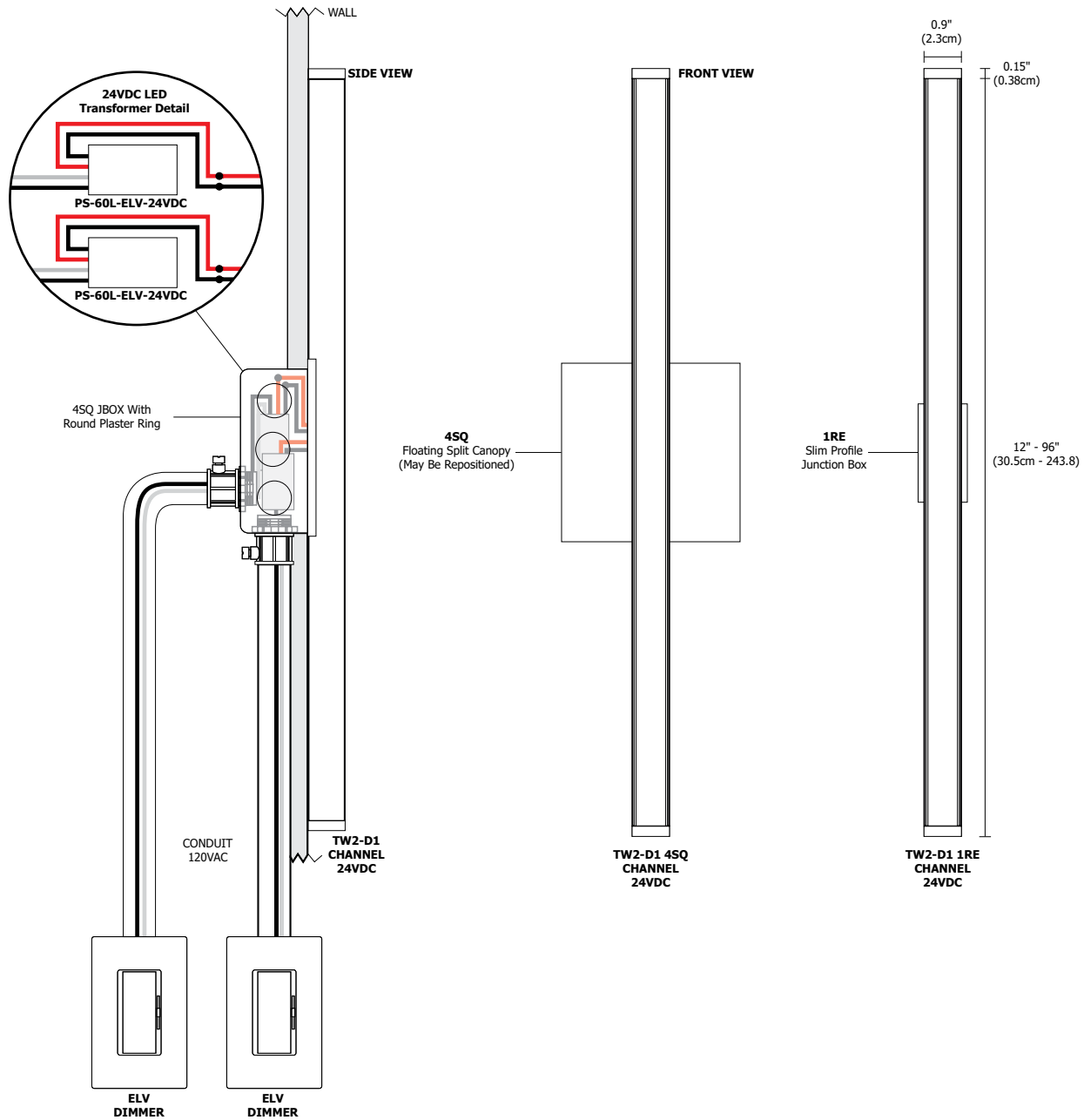


TWIGGY D1, DIRECT 1" LENS TUNABLE WHITE 24VDC SYSTEM, 90+CRI

REV03.16.17

ASSEMBLED IN AMERICA

- Application:** Electronic low voltage dimming for Twiggy D1 Tunable White
- Power Supply:** 120V input, 24VDC class 2 output; electronic low voltage LED power supply (included) that fits inside standard junction box
- Dimming:** Dimmable with electronic low voltage dimmer: Legrand, Adorne ADTP703TU; Lutron: Diva DVELV-300P, Skylark SELV-300P, Maestro MAELV-600 and Radio Ra 2 dimmers recommended



PROJECT:

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EDGE
LIGHTING



Description:

The Tunable White Touch Controller is a full-touch controller that offers fast and accurate color temperature adjustment and independent brightness dimming of a single zone. Designed for 2K4K, tunable white and dual-color LED installations, the single zone controller adjusts color temperature and brightness for warm white and cool white LEDs. It also saves 3 preset scenes. Independent smooth dimming of each white, with 256 level brightness adjustment, enables the DMX controller to achieve many colors within the range of the LED spectrum. Controller includes power adapter that fits in junction box behind controller. It contains an illuminated back light when power is off. Must have junction box (not included) with a minimum depth of 2.5 inches and 3.87 inches high.

Applications:

Indoor

Installation:

Fits in a single gang 2.5 inch deep junction box, not to be used with a multi gang box

Power Input:

120-240VAC

Compatible Power Supplies (Sold Separately):

PSB-100W-24VDC-RGB 100W output, 120-277V Input

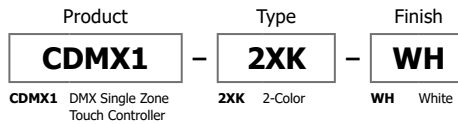
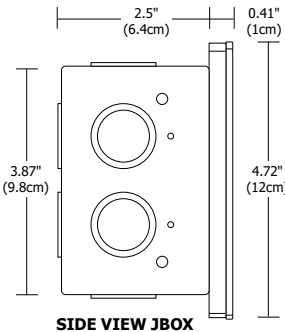
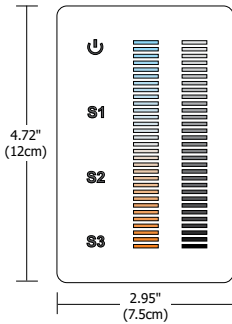
PSB-2X100W-24VDC-RGB 2x100W output, 120-277V Input

PSB-3X100W-24VDC-RGB 3x100W output, 120-277V Input

PSB-4X100W-24VDC-RGB 4x100W output, 120-277V Input

Output Signal:

USITT DMX 512 (1990)



PROJECT:

FIXTURE TYPE:

DATE:



Please refer to chart below for overall length (with end caps) of Twiggy D1

ORDERING CODE	OVERALL LENGTH (INCHES)
12IN	13.1
15IN	15.5
17IN	17.9
20IN	20.3
22IN	22.7
24IN	25.1
27IN	27.5
29IN	29.9
32IN	32.3
34IN	34.7
36IN	37.1
39IN	39.5
41IN	41.9
44IN	44.3
46IN	46.7
48IN	49.1
51IN	51.5
53IN	53.9
56IN	56.3
58IN	58.7
60IN	61.1
63IN	63.5
65IN	65.9

ORDERING CODE	OVERALL LENGTH (INCHES)
68IN	68.3
70IN	70.7
72IN	73.1
75IN	75.5
77IN	77.9
80IN	80.3
82IN	82.7
84IN	85.1
87IN	87.5
89IN	89.9
92IN	92.3
94IN	94.7
96IN	97.1
99IN	99.5
101IN	101.9
104IN	104.3
106IN	106.7
108IN	109.1
111IN	111.5
113IN	113.9
116IN	116.3
118IN	118.7
120IN	121.1






PROJECT:




FIXTURE TYPE:

DATE:



REQUIRED COMPONENTS: 24VDC ELV Compatible Power Supplies.





ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS ¹					
ORDERING CODES	PS-40W-ELV-24VDC 	PS-60L-ELV-24VDC 	PSB-60W-ELV-24VDC* 	PSB-2X60W-ELV-24VDC 	PSB-100W-ELV-24VDC* 
SPECIFICATIONS					
MAXIMUM LOAD	40W	60W (50W IN JBOX)	60W	2X60W	96W
INPUT VOLTAGE	120VAC	120VAC	120VAC	120VAC	120VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	1.4" X 3" X 1"	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	CLASS 2
DIMMING AND CONTROLS					
LUTRON DIVA: DVELV-300P	•	•	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•	•	•
LUTRON RADIO RA2: RRD-6NA	N/A	N/A	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	N/A	N/A	•	•	•



ELECTRONIC LOW-VOLTAGE (ELV) POWER SUPPLIES & RECOMMENDED DIMMERS ¹			
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
DIMMING AND CONTROLS			
LUTRON DIVA: DVELV-300P	•	•	•
LUTRON SKYLARK: SELV-300P	•	•	•
LUTRON RADIO RA2: RRD-6NA	•	•	•
LUTRON MAESTRO: MAELV-600	•	•	•
LEGRAND ADORNE: ADTP-703TUM4	•	•	•

¹Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Power Supplies.

*In-Wall Mounting Kits available for select power supplies.

REQUIRED COMPONENTS: 24VDC 0-10V Compatible Power Supplies.






0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS*				
ORDERING CODES	PSB-25W-010-24VDC 	PSB-60W-010-24VDC* 	PSB-96W-010-24VDC* 	PSB-2X96W-010-24VDC* 
SPECIFICATIONS				
MAXIMUM LOAD	25W	60W	96W	2X96W
INPUT VOLTAGE	120VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	12.15" X 6.48" X 2.18"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2
DIMMING AND CONTROLS				
PHILLIPS SUNRISE: SR1200ZTUNV	•	•	•	•
LUTRON DIVA:: DVTV-WH	•	•	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•	•	•
LUTRON RADIO RA2: RRD-10ND	•	•	•	•
LEVITON: LEV40050	•	•	•	•
LEVITON IP710-DLX: IP710-DLX	•	•	•	•
LEGRAND: ADPD4FBL3P2W4	•	•	•	•




0-10 VOLT (010) POWER SUPPLIES & RECOMMENDED DIMMERS*		
ORDERING CODES	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
DIMMING AND CONTROLS		
PHILLIPS SUNRISE: SR1200ZTUNV	•	•
LUTRON DIVA: DVTV-WH	•	•
LUTRON NOVA T: NTSTV-DV-XX	•	•
LUTRON GRAFIX EYE QS: QSGRJ-XP	•	•
LUTRON RADIO RA2: RRD-10ND	•	•
LEVITON: LEV40050	•	•
LEVITON IP710-DLX: IP710-DLX	•	•
LEGRAND: ADPD4FBL3P2W4	•	•

*Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Power Supplies.

*In-Wall Mounting Kits available for select power supplies.


REQUIRED COMPONENTS: 24VDC DMX Compatible Power Supplies.

DYNAMIC COLOR CHANGING (DMX) POWER SUPPLIES & RECOMMENDED CONTROLLERS ¹					
	PS-25W-24VDC	PSB-100W-24VDC-RGB	PSB-2X100W-24VDC-RGB	PSB-3X100W-24VDC-RGB	PSB-4X100W-24VDC-RGB
ORDERING CODES					
SPECIFICATIONS					
MAXIMUM LOAD	25W	100W	2X100W	3X100W	4X100W
INPUT VOLTAGE	100-277VAC	120-277VAC	120-277VAC	120-277VAC	120-277VAC
OUTPUT VOLTAGE	24VDC	24VDC	24VDC	24VDC	24VDC
DIMENSIONS	5.25" X 1.57" X 1.2"	12.14" X 6.48" X 2.18"	14" X 10" X 3"	17" X 13" X 3"	17" X 13" X 3"
CLASSIFICATION	CLASS 2	CLASS 2	CLASS 2	CLASS 2	CLASS 2
DIMMING AND CONTROLS					
TOUCH SCREEN CONTROLLER (CTP)	N/A	•	•	•	•
COLOR DIAL CONTROLLER (CDP)	N/A	•	•	•	•
DMX 1 ZONE RGBW TOUCH CONTROLLER (CDMX1-RGBW)	N/A	•	•	•	•
TUNABLE WHITE TOUCH CONTROLLER (CDMX1-2XK)	N/A	•	•	•	•

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

¹Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Power Supplies.

REQUIRED COMPONENTS: 24VDC Lutron Compatible Power Supply.

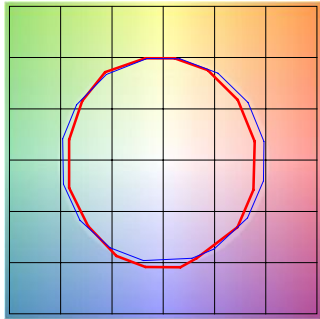
LUTRON HI-LUME® PREMIER .1% ECOSYSTEM® 3-WIRE POWER SUPPLY & RECOMMENDED CONTROLLERS†	
ORDERING CODES	<p>L3D0-96W24V-U</p> 
SPECIFICATIONS	
MAXIMUM LOAD	96W
INPUT VOLTAGE	120-277VAC
OUTPUT VOLTAGE	24VDC
DIMENSIONS	10.5" X 5.5" X 2"
CLASSIFICATION	CLASS 2
DIMMING AND CONTROLS	
RADIORA 2 DIMMER	•
HOMEWORKS QS DIMMER	•
PHPM-3F-120, PHPM-3F-DV AND BCI-0-10 INTERFACES	•

†Tunable White (2K4K) color temperature is compatible with 0-10V, ELV, DMX, and Lutron Power Supplies.

TM-30-15 DATA: The data below is for SS5C 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.

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

COLOR VECTOR GRAPHIC

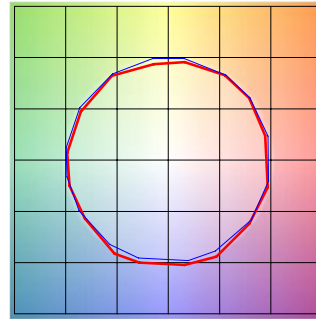


■ Test ■ Reference

		GRAPHIC SHIFTS %	
HUE BIN	Rf	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%

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

COLOR VECTOR GRAPHIC

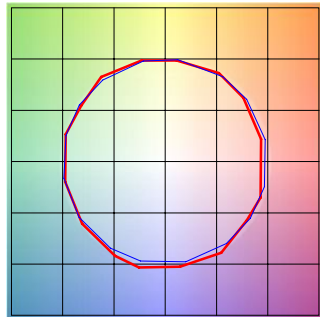


■ Test ■ Reference

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

2K4K | Rf: 90.2 | Rg: 101.4

COLOR VECTOR GRAPHIC



■ Test ■ Reference

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

PROJECT:

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