optic arts by luminii



LLTW51

Tunable White

Features

LineLED Tunable White series is a small profile high performance LED strip.This Tunable White LED series offers a wide CCT range to create the perfect ambiance in real time. From bright white encouraging wakefulness, to warm amber sunsetting into relaxation, LineLED TW51 can transform any environment to match the natural human circadian rhythm. Industry-best color consistency with single-binned LEDs. This High Color Quality LED strip boasts CRIs and R9 values up to 98. It is easily installed within discrete aluminum extrusions with multiple mounting options.

Mounting
LLED strip is equipped with 3M™ adhesive tape.

Applications
Indoor only - millwork, cove, architectural reveals, undercabinet, display case, handrail, accent lighting.

Approvals
Class 2 damp listed

Operating voltage
24 VDC

Average Life (L70)
50,000 hours

Warranty
7 years

Technical information

TYPE	LLTW51					
OUTPUT OPTIONS	**SO (18K-30K)**	**SO (27K-65K)**	**HO (18K-30K)**	**HO (27K-65K)**	**VHO (18K-30K)**	**VHO (27K-65K)**
Lumens Output (all channels full on)	323 lm/ft	418 lm/ft	396 lm/ft	519 lm/ft	545 lm/ft	703 lm/ft
Average Power Consumption (for a 4' section)	4.4 W/ft		5.4 W/ft		7.6 W/ft	
Efficacy	74 lm/W	95 lm/W	73 lm/W	95 lm/W	72 lm/W	93 lm/W
Cutting Increment (in)	1.64"					
Pitch Length	0.23"					
Max Run Length (in series)	29.0 ft		22.0 ft		15.0 ft	
Dimensions	0.39" W x 0.06" H					
Ambient Operating Temperature Range*	-15°F – 125°F (-25°C – 50°C)		-15°F – 115°F (-25°C – 45°C)		-15°F – 95°F (-25°C – 35°C)	

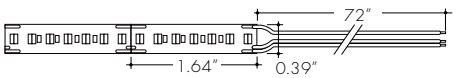
*Ambient Operating Temperature Range to maintain L70 of 50K+ hours in normal conditions. Exceeding Ambient Operating Temperature Range may result in decreased life/output. Consult Technical Support for specific inquires.

CCT Range	CCT	Multiplier (reference - 4200K)	CRI	TM-30 R_f	TM-30 R_g	TM-30 R_9
18K30K	1800K	0.40	92	85	91	86
	2400K (All On)	1.00	95	93	106	98
	3000K	0.62	97	94	104	95
27K65K	2700K	0.45	97	95	103	93
	4200K (All On)	1.00	96	93	105	95
	6500K	0.58	91	90	101	63

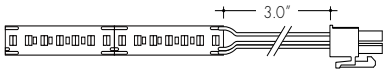
*2400K condition from both 1800K and 3000K channels on at full brightness. 4200K condition from both 2700K and 6500K channels on at full brightness.

Section Start/End Options

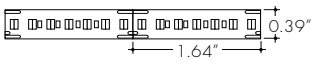
SL
Soldered lead wires (72")



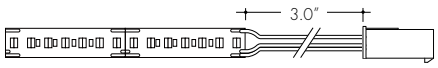
LF
Lead Female 3" cable



NC
No connector



LM
Lead Male 3" cable



Ordering code

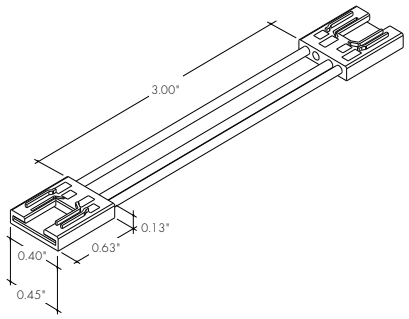
MODEL	OUTPUT	CCT	SECTION START[1]	SECTION END[1]	LENGTH
LLTW51-LineLED TW51	SO-Standard HO-High VHO-Very High	18K-30K-1800K - 3000K 27K-65K-2700K - 6500K	SL-Soldered lead wires (72") NC-No connector LM-Lead Male LF-Lead Female	SL-Soldered lead wires (72") NC-No connector LM-Lead Male LF-Lead Female	Lengths specified to the inch; ordering code rounded up to one-foot increments. See chart above for max run length

1 - Additional Connectors and Leads available, see below.

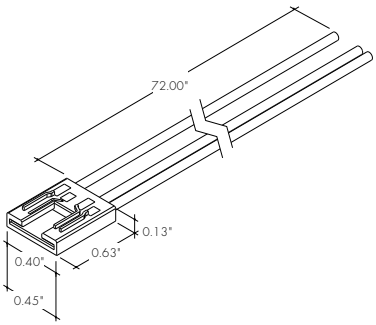
Minii Connectors

Minii connectors are easy, field-installable accessories that make joining LL strip simple! Their minimal width allows them to fit into extrusions, while their transparent frame eliminates dark spots.
Note: verify internal extrusion dimensions to confirm compatibility

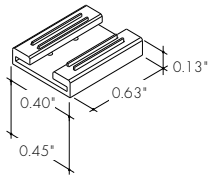
LL-PJC-10-03-TW
Jumper minii connector with 3" wire for LLTW51 LED strip



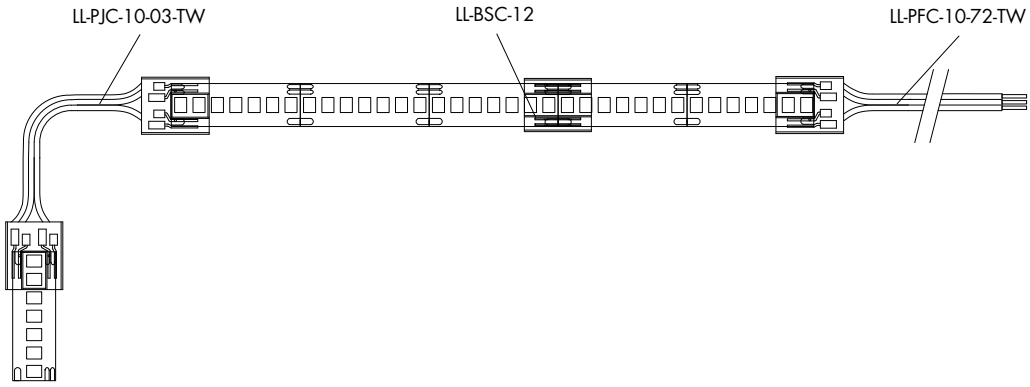
LL-PFC-10-72-TW
Power feed minii connector with 72" wire for LLTW51 LED strip



LL-BSC-10-TW
Butt splice minii connector for LLTW51 LED strip

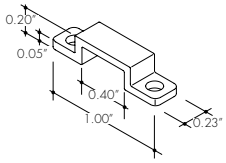


Sample Layout



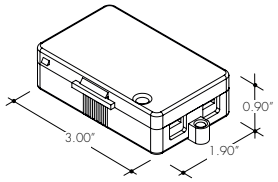
Accessories

CL1
Mounting clip

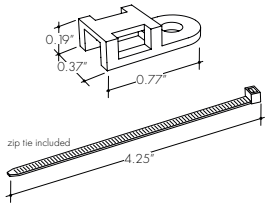


Recommended every 12" when LineLED strip is facing down

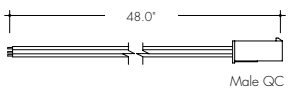
LVSP-4T-BK
Low Voltage, 4 Terminal Splice Box, Black, IP20



LL.ZIP
Cable/Wire Strain Relief Clip

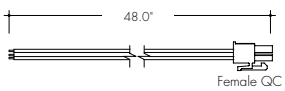


MOLEX-CON-LEAD-M-3-48
Molex Male Connector Cable, 3 pin, 48"



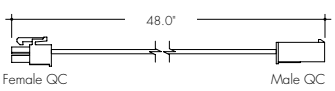
For power supply connection, not intended to be soldered to LED strip

MOLEX-CON-LEAD-F-3-48
Molex Female Connector Cable, 3 pin, 48"



For power supply connection, not intended to be soldered to LED strip

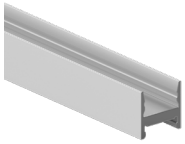
MOLEX-JC-F-M-3-48
Female/Male Jumper Cable, 3 pin, 48"

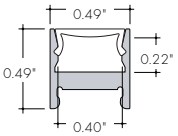


For connecting LED strips in series

Lens Options / Light Transmission

MK CHANNEL
-MKC
(Link to Web)



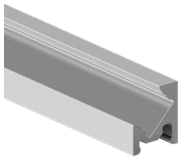


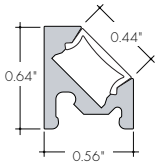
Lens	Clear	Half Frosted	Frosted	Black Louver	White Louver	Matte Frosted
Transmission %	80%	67%	46%	25%	42%	58%
Dotting*	CD	CD	ND	ND	ND	SD

*At 100% brightness

NOT Compatible with
- Minii connectors

MK45V CHANNEL
-MK45VC
(Link to Web)





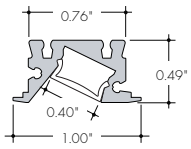
Lens	Clear	Half Frosted	Frosted	Black Louver	White Louver	Matte Frosted
Transmission %	80%	67%	46%	25%	42%	58%
Dotting*	CD	CD	ND	ND	ND	SD

*At 100% brightness

NOT Compatible with
- Minii connectors

MKRA CHANNEL
-MKRAC
(Link to Web)





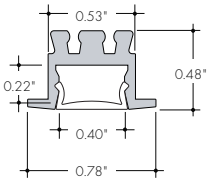
Lens	Clear	Half Frosted	Frosted	Black Louver	White Louver	Matte Frosted
Transmission %	80%	67%	46%	25%	42%	58%
Dotting*	CD	CD	ND	ND	ND	SD

*At 100% brightness

NOT Compatible with
- Minii connectors

MKR CHANNEL
-MKRC
(Link to Web)





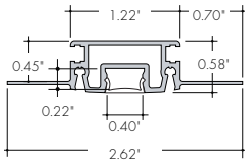
Lens	Clear	Half Frosted	Frosted	Black Louver	White Louver	Matte Frosted
Transmission %	80%	67%	46%	25%	42%	58%
Dotting*	CD	CD	ND	ND	ND	SD

*At 100% brightness

NOT Compatible with
- Minii connectors

MKL CHANNEL
-MKLC
(Link to Web)





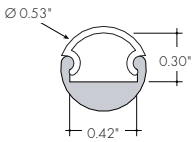
Lens	Clear	Half Frosted	Frosted	Black Louver	White Louver	Matte Frosted
Transmission %	80%	67%	46%	25%	42%	58%
Dotting*	CD	CD	ND	ND	ND	SD

*At 100% brightness

NOT Compatible with
- Minii connectors

MKRO CHANNEL
-MKROC
(Link to Web)





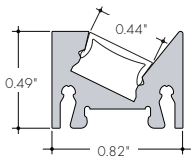
Lens	Round Frosted
Transmission %	64%
Dotting*	ND

*At 100% brightness

NOT Compatible with
- Minii connectors

MKA CHANNEL
-MKAC
(Link to Web)



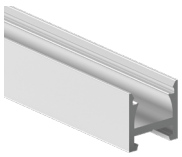


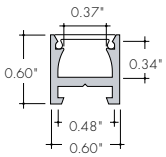
Lens	Clear	Half Frosted	Frosted	Black Louver	White Louver	Matte Frosted
Transmission %	80%	67%	47%	24%	40%	60%
Dotting*	CD	CD	ND	ND	ND	SD

*At 100% brightness

NOT Compatible with
- Minii connectors

BOS CHANNEL
-BOSC
(Link to Web)





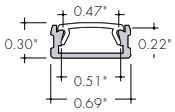
Lens	Frosted	Raised	Graze	Satin Ice
Transmission %	52%	57%	76%	71%
Dotting*	ND	ND	CD	CD

*At 100% brightness

NOT Compatible with
- Minii connectors

KS CHANNEL
-KSC
(Link to Web)





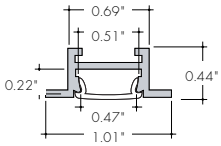
Lens	Clear	Half Frosted	Frosted	Flat Frosted	Raised	Medium
Transmission %	90%	71%	56%	56%	64%	85%
Dotting*	CD	CD	SD	CD	ND	CD

*At 100% brightness

NOT Compatible with
- Minii connectors

KRS CHANNEL
-KRSC
(Link to Web)





Lens	Clear	Half Frosted	Frosted	Flat Frosted
Transmission %	90%	71%	56%	56%
Dotting*	CD	CD	SD	CD

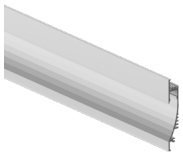
*At 100% brightness

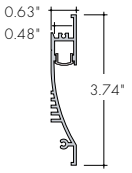
NOT Compatible with
- Minii connectors

Lens Options / Light Transmission

WALL+ CHANNEL -WPC

[Link to Web]





Lens	Round Frosted
Transmission %	65%
Dotting*	ND

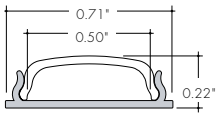
*At 100% brightness

NOT Compatible with
- Minii connectors

KLB CHANNEL -KLBC

[Link to Web]





Lens	Round Frosted
Transmission %	57%
Dotting*	ND

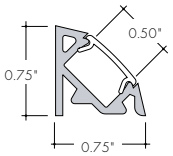
*At 100% brightness

NOT Compatible with
- Minii connectors

K45V CHANNEL -K45VC

[Link to Web]





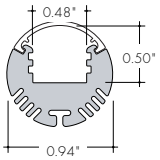
Lens	Clear	Half Frosted	Frosted	Flat Frosted	13° Semi-Frosted
Transmission %	82%	65%	51%	47%	76%
Dotting*	CD	CD	ND	ND	CD

*At 100% brightness

RO CHANNEL -ROC

[Link to Web]





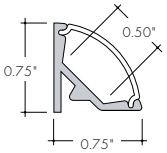
Lens	Clear	Frosted
Transmission %	86%	67%
Dotting*	CD	ND

*At 100% brightness

K45R CHANNEL -K45RC

[Link to Web]





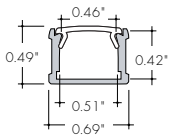
Lens	Round Frosted
Transmission %	65%
Dotting*	ND

*At 100% brightness

KM CHANNEL -KMC

[Link to Web]



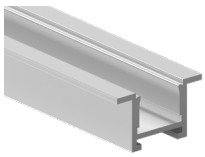


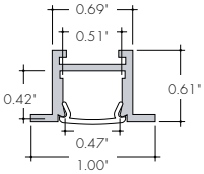
Lens	Clear	Half Frosted	Frosted	Flat Frosted	Raised	Narrow Beam Grazer
Transmission %	82%	65%	51%	47%	58%	56%
Dotting*	CD	CD	ND	ND	ND	CD

*At 100% brightness

KRM CHANNEL -KRMC

[Link to Web]





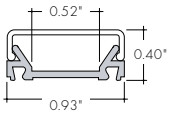
Lens	Clear	Half Frosted	Frosted	Flat Frosted	Narrow Beam Grazer
Transmission %	82%	65%	51%	47%	56%
Dotting*	CD	CD	ND	ND	CD

*At 100% brightness

BAR CHANNEL -BARC

[Link to Web]



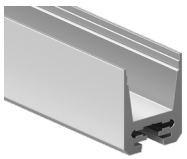


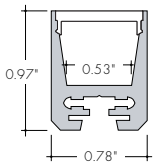
Lens	Frosted	Narrow Beam	Medium	Batwing	Asymmetric
Transmission %	65%	63%	56%	74%	56%
Dotting*	ND	CD	CD	CD	CD

*At 100% brightness

ALS20 CHANNEL -ALS20C

[Link to Web]





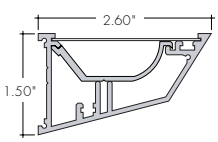
Lens	Clear	Frosted
Transmission %	54%	49%
Dotting*	CD	ND

*At 100% brightness

MCAL CHANNEL -MCALC

[Link to Web]



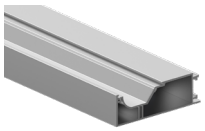


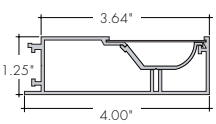
Lens	Long Throw	Tall Throw
Transmission %	91%	91%
Dotting*	CD	CD

*At 100% brightness

MREC CHANNEL -MRECC

[Link to Web]





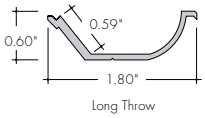
Lens	Long Throw	Tall Throw
Transmission %	91%	91%
Dotting*	CD	CD

*At 100% brightness

Lens Options / Light Transmission

CLT CHANNEL -CLTC
(Link to Web)



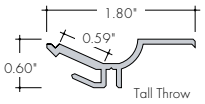


Lens	No Lens
Transmission %	100%
Dotting*	CD

*At 100% brightness

CTT CHANNEL -CTTC
(Link to Web)



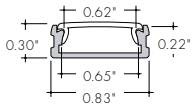


Lens	No Lens
Transmission %	100%
Dotting*	CD

*At 100% brightness

KL CHANNEL -KLC
(Link to Web)

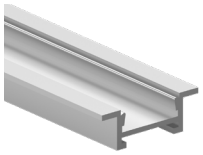


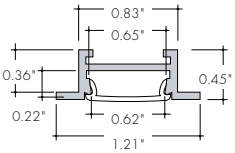


Lens	Clear	Half Frosted	Frosted
Transmission %	90%	75%	60%
Dotting*	CD	CD	SD

*At 100% brightness

KRL CHANNEL -KRLC
(Link to Web)



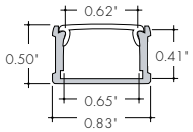


Lens	Clear	Half Frosted	Frosted
Transmission %	90%	75%	60%
Dotting*	CD	CD	SD

*At 100% brightness

KXL CHANNEL -KXLC
(Link to Web)

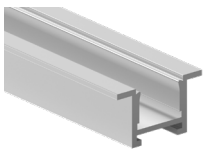


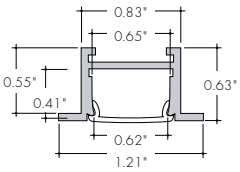


Lens	Clear	Half Frosted	Frosted
Transmission %	86%	69%	54%
Dotting*	CD	CD	ND

*At 100% brightness

KRXL CHANNEL -KRXLC
(Link to Web)



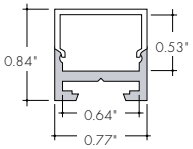


Lens	Clear	Half Frosted	Frosted
Transmission %	86%	69%	54%
Dotting*	CD	CD	ND

*At 100% brightness

CLA CHANNEL -CLAC
(Link to Web)



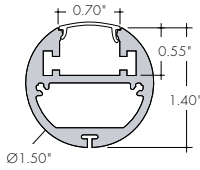


Lens	Rounded Square Frosted	Square Frosted
Transmission %	62%	65%
Dotting*	ND	ND

*At 100% brightness

RO15 CHANNEL -RO15C
(Link to Web)

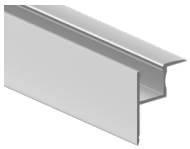


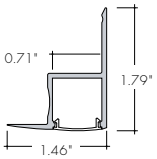


Lens	Clear	Frosted
Transmission %	76%	50%
Dotting*	CD	ND

*At 100% brightness

ALE CHANNEL -ALEC
(Link to Web)



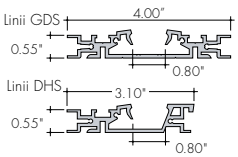


Lens	Clear	Frosted
Transmission %	58%	37%
Dotting*	CD	ND

*At 100% brightness

LIN CHANNEL -LINC
(Link to Web)



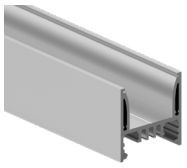


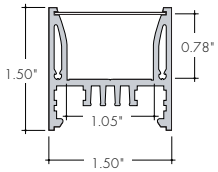
Lens	Frosted	Frosted Silicone	No Lens
Transmission %	48%	56%	82%
Dotting*	ND	ND	CD

*At 100% brightness

Lens Options / Light Transmission

KILO CHANNEL
-KILOC
(Link to Web)

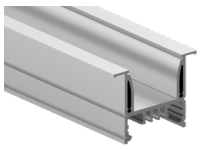


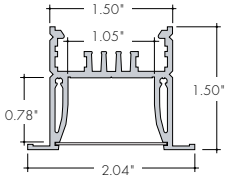


Lens	Clear	Frosted	No Lens
Transmission %	85%	75%	90%
Dotting*	CD	ND	CD

*At 100% brightness

KILOR CHANNEL
-KILORC
(Link to Web)

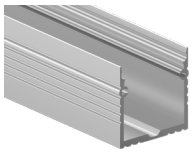


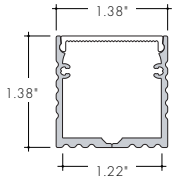


Lens	Clear	Frosted	No Lens
Transmission %	85%	75%	90%
Dotting*	CD	ND	CD

*At 100% brightness

PLA CHANNEL
-PLAC
(Link to Web)





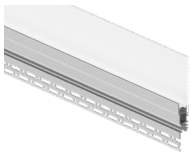
Lens	Clear	Frosted
Transmission %	56%	34%
Dotting*	CD	ND

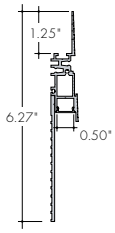
*At 100% brightness

Lens Options / Light Transmission

KREST EDGE CHANNEL -KRESTC-E

(Link to Web)



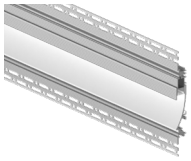


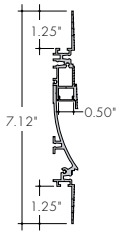
Lens	Frosted
Transmission %	45%
Dotting*	ND

*At 100% brightness

KREST REVEAL CHANNEL -KRESTC-R

(Link to Web)



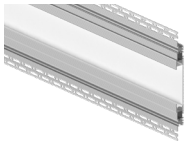


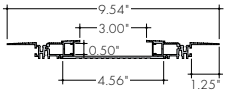
Lens	Frosted
Transmission %	45%
Dotting*	ND

*At 100% brightness

KREST DUO CHANNEL -KRESTC-D

(Link to Web)



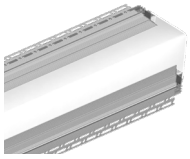


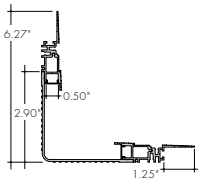
Lens	Frosted
Transmission %	41%
Dotting*	ND

*At 100% brightness

KREST CORNER CHANNEL -KRESTC-C

(Link to Web)





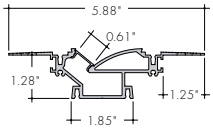
Lens	Frosted
Transmission %	31%
Dotting*	ND

*At 100% brightness

KREST WASH CHANNEL -KRESTC-W

(Link to Web)





Lens	Frosted
Transmission %	45%
Dotting*	ND

*At 100% brightness

Installation

All mounting channels are field cuttable using miter saw with circular blade suitable for cutting aluminum.

Ordering

Extrusions are sold separately. View respective specsheets for details on ordering extrusions and their accessories (endcaps, mounting brackets, etc).

Led Dotting Reference

Use complete Dotting Chart Tool online for more dotting information

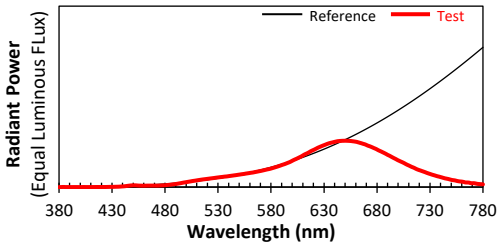
Dotting Chart Tool

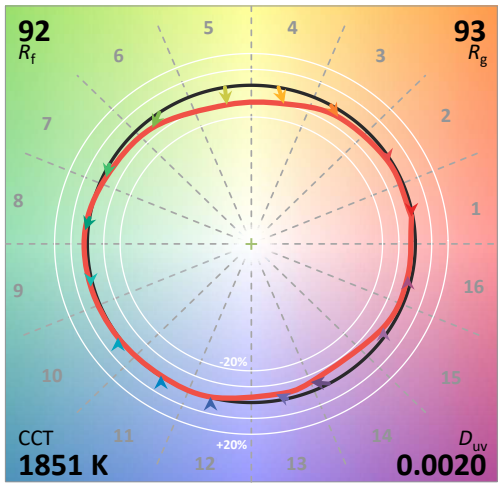
I'm also click-able

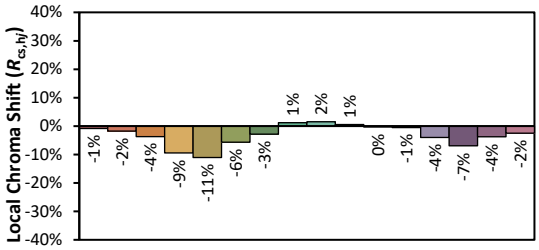
CD - Clear Dotting **SD** - Slight Dotting **ND** - No Dotting

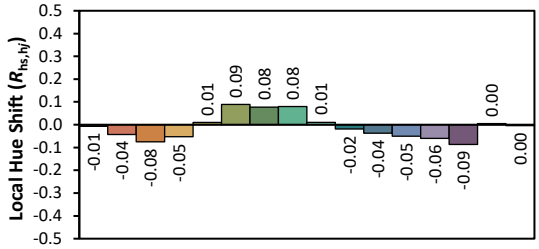
TM-30-18: Data

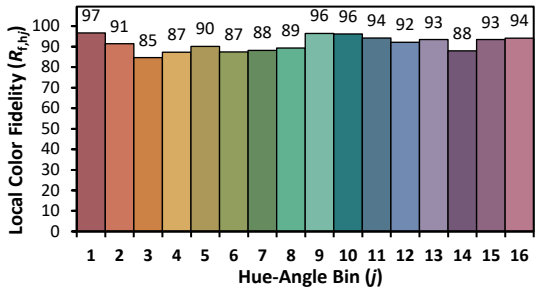
1800K (1 channel on)



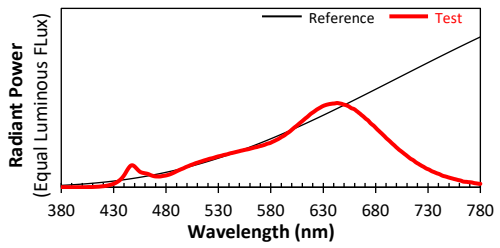


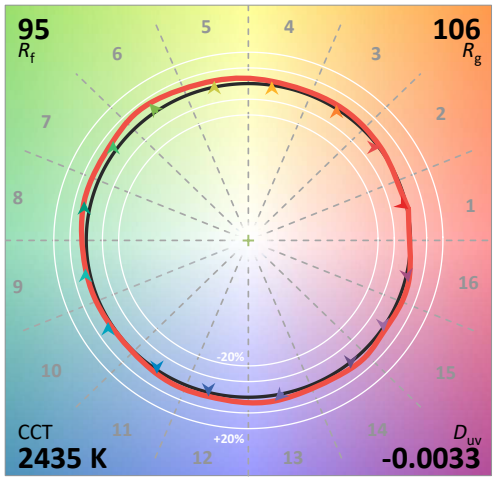


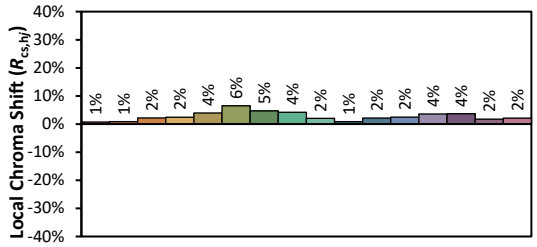


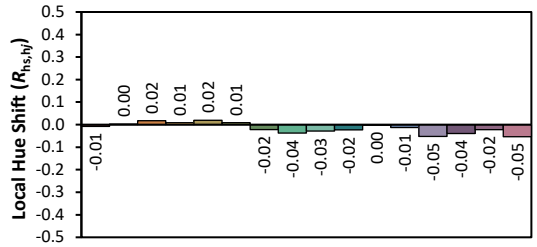


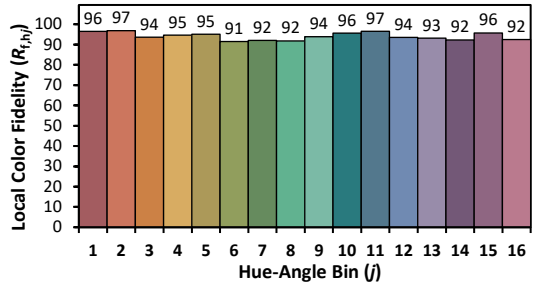
2400K (18K - 30K All on)





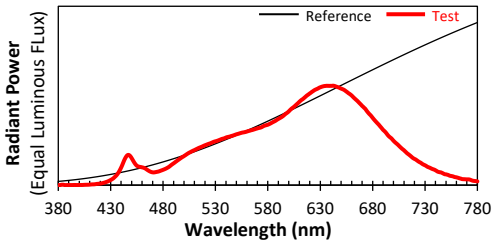


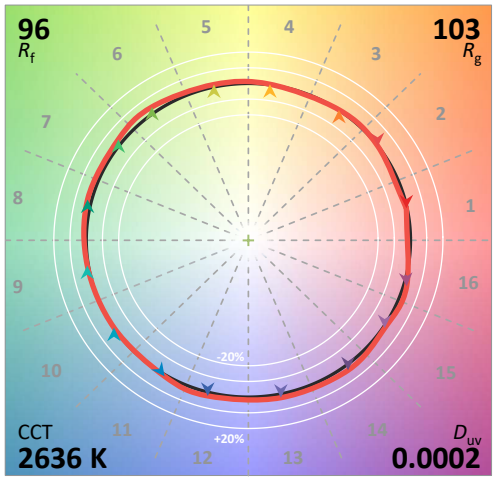


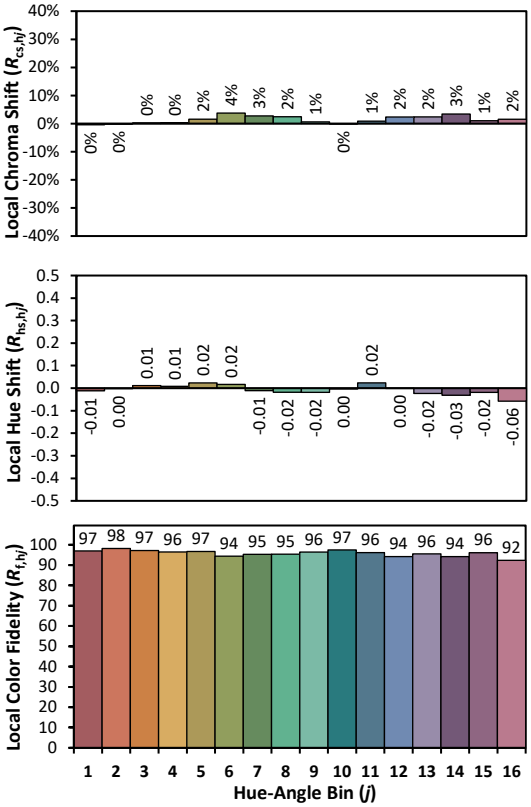


TM-30-18: Data

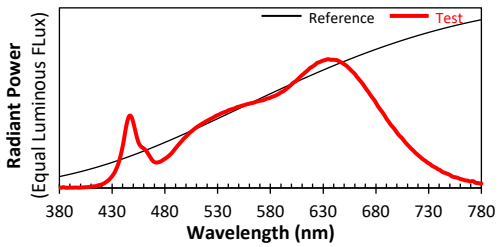
2700K (1 channel on)

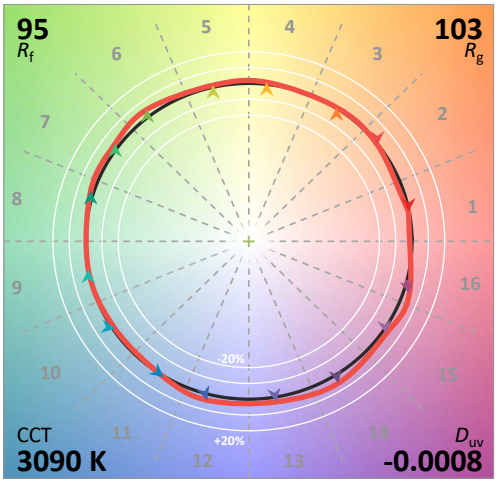


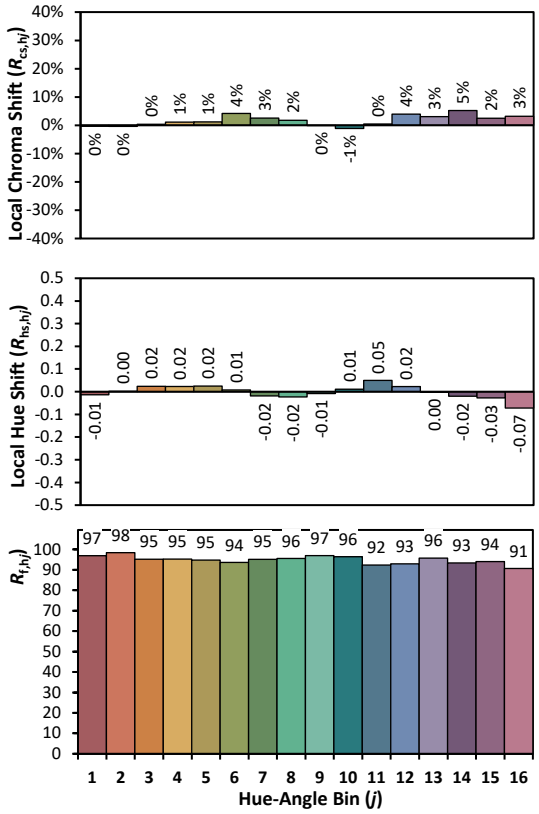




3000K (1 channel on)

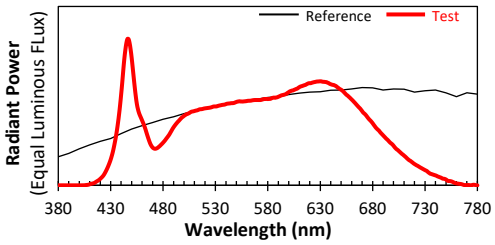


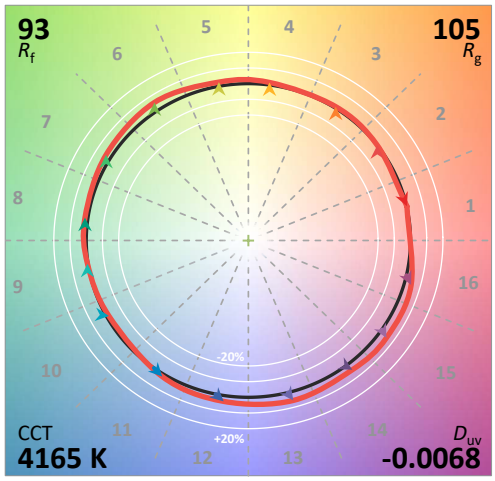


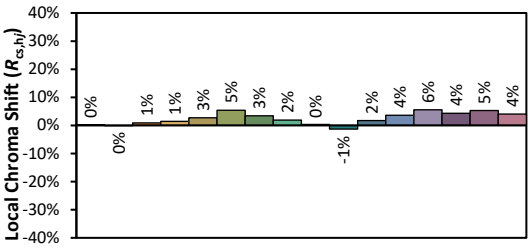


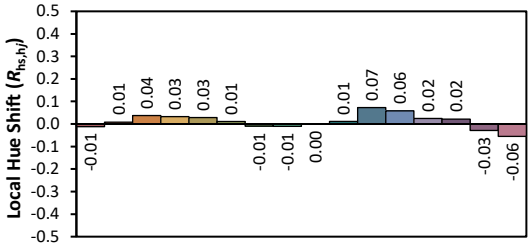
TM-30-18: Data

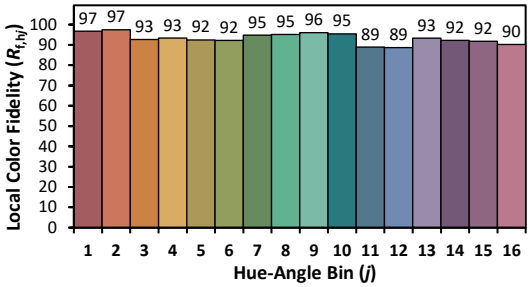
4200K (27K - 65K All on)



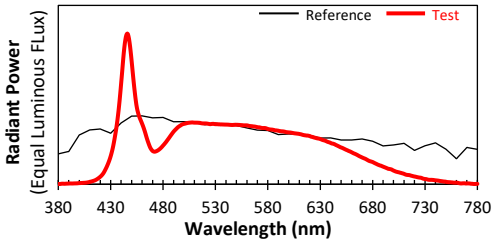


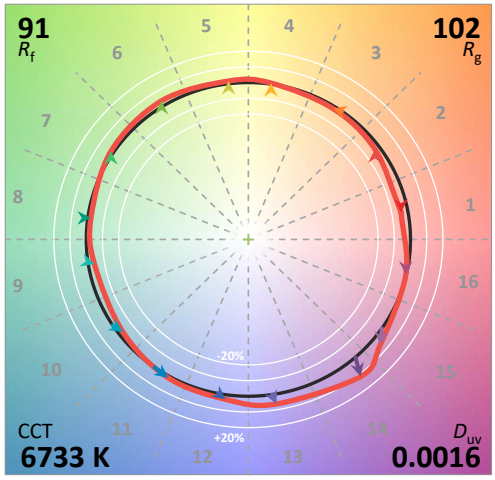


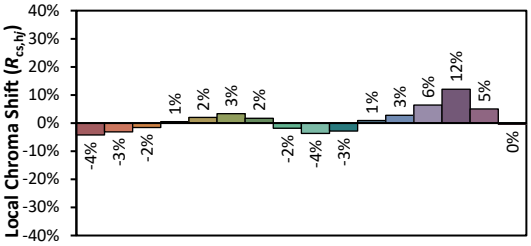


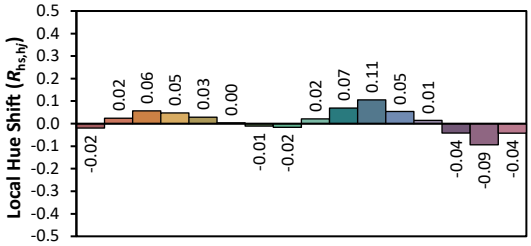


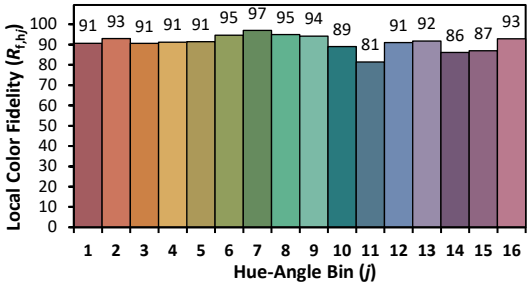
6500K (1 channel on)











Power Consumption

Tested at full power with PS-UNI Series power supplies.

LLTW51

Nominal Length (ft)	SO		HO		VHO	
	W/ft	Total Wattage	W/ft	Total Wattage	W/ft	Total Wattage
1	4.5	4.5	5.7	5.7	8.0	8.0
2	4.5	9.0	5.6	11.3	7.9	15.7
3	4.5	13.4	5.6	16.7	7.8	23.3
4	4.4	17.6	5.5	22.0	7.6	30.6
5	4.4	21.8	5.4	27.1	7.5	37.6
6	4.3	25.9	5.3	32.1	7.4	44.5
7	4.3	29.9	5.3	36.9	7.3	51.1
8	4.2	33.9	5.2	41.6	7.2	57.5
9	4.2	37.7	5.1	46.1	7.1	63.6
10	4.1	41.4	5.1	50.6	7.0	69.5
11	4.1	45.1	5.0	54.8	6.8	75.2
12	4.1	48.7	4.9	58.9	6.7	80.7
13	4.0	52.2	4.8	62.9	6.6	85.9
14	4.0	55.6	4.8	66.7	6.5	90.9
15	3.9	58.9	4.7	70.4	6.4	95.6
16	3.9	62.1	4.6	74.0		
17	3.8	65.2	4.6	77.4		
18	3.8	68.3	4.5	80.6		
19	3.7	71.2	4.4	83.7		
20	3.7	74.1	4.3	86.7		
21	3.7	76.9	4.3	89.5		
22	3.6	79.6	4.2	92.2		
23	3.6	82.2				
24	3.5	84.7				
25	3.5	87.2				
26	3.4	89.5				
27	3.4	91.8				
28	3.4	94.0				
29	3.3	96.0				

Voltage Drop Calculator

The below chart assumes nominal voltage of 24 Volts and a Voltage Drop Allowance of 3% through the wire

Wattage [W]	Maximum Wire Length From Power Supply to Start of Run [ft]						
	12 AWG	14 AWG	16 AWG	18 AWG	20 AWG	22 AWG	24 AWG
5	1088.2	684.4	430.3	270.6	170.2	107.1	67.3
10	544.1	342.2	215.1	135.3	85.1	53.5	33.7
15	362.7	228.1	143.4	90.2	56.7	35.7	22.4
20	272.0	171.1	107.6	67.7	42.6	26.8	16.8
25	217.6	136.9	86.1	54.1	34.0	21.4	13.5
30	181.4	114.1	71.7	45.1	28.4	17.8	11.2
35	155.5	97.8	61.5	38.7	24.3	15.3	9.6
40	136.0	85.5	53.8	33.8	21.3	13.4	8.4
45	120.9	76.0	47.8	30.1	18.9	11.9	7.5
50	108.8	68.4	43.0	27.1	17.0	10.7	6.7
55	98.9	62.2	39.1	24.6	15.5	9.7	6.1
60	90.7	57.0	35.9	22.6	14.2	8.9	5.6
65	83.7	52.6	33.1	20.8	13.1	8.2	5.2
70	77.7	48.9	30.7	19.3	12.2	7.6	4.8
75	72.5	45.6	28.7	18.0	11.3	7.1	4.5
80	68.0	42.8	26.9	16.9	10.6	6.7	4.2
85	64.0	40.3	25.3	15.9	10.0	6.3	4.0
90	60.5	38.0	23.9	15.0	9.5	5.9	3.7
96	56.7	35.6	22.4	14.1	8.9	5.6	3.5

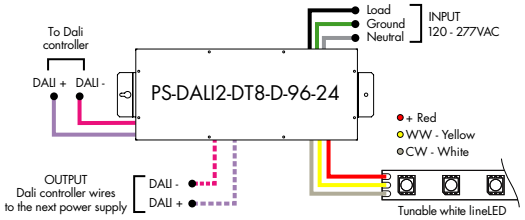
Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

For use with Tunable White

Ordering Code - DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC

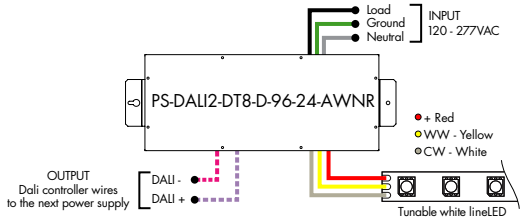
MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
	-		-		-		-	
PS - Power Supply, 120-277VAC		DALI2-DT8 - DALI DT8 Tunable White (0.1%)		D - Dry		96 - 96 Watts		24 - 24 VDC



MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

Ordering Code - Athena DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC

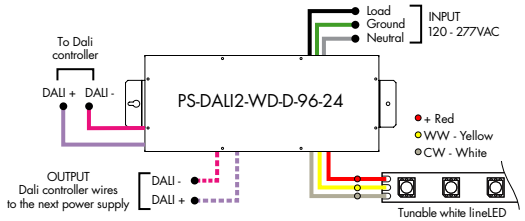
MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT		FEATURE
	-		-		-		-		-	
PS - Power Supply, 120-277VAC		DALI2-DT8 - DALI DT8 Tunable White (0.1%)		D - Dry		96 - 96 Watts		24 - 24 VDC		AWNR - Athena



MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

Ordering Code - DALI2 Dimming Power Supplies 0.1% 120VAC - 277VAC - for Dim-to-Warm functionality with Tunable White Output

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
	-		-		-		-	
PS - Power Supply, 120-277VAC		DALI2-WD - DALI2 DT6 Warm Dim (0.1%)		D - Dry		96 - 96 Watts		24 - 24 VDC



MODELS	96W
Length	14.40"
Width	5.20"
Depth	2.60"

Power Supplies

See fixture and power supply instructions & spec sheet for wiring information. Dimming possible in select models - view Luminii website for list of compatible dimmers.

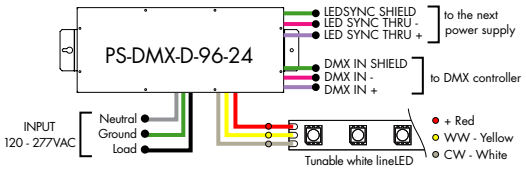
For use with Tunable White

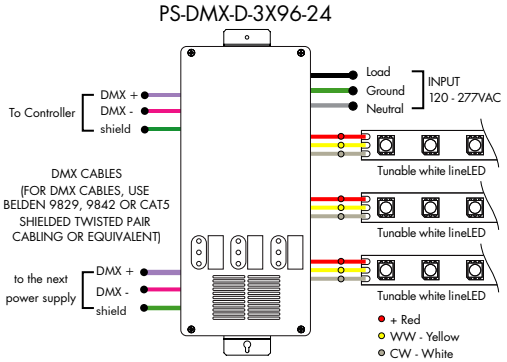
Ordering Code - DMX Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
	-		-		-		-	
PS - Power Supply, 120-277VAC		DMX - DMX (0.1%)		D - Dry		96 - 96 Watts 3X96 - 3X96 Watts		24 - 24 VDC

MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"

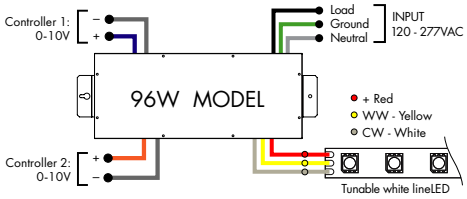
DMX CABLES
(FOR DMX CABLES, USE BELDEN 9829, 9842,OR CAT5 SHIELDED TWISTED PAIR CABLING OR EQUIVALENT)





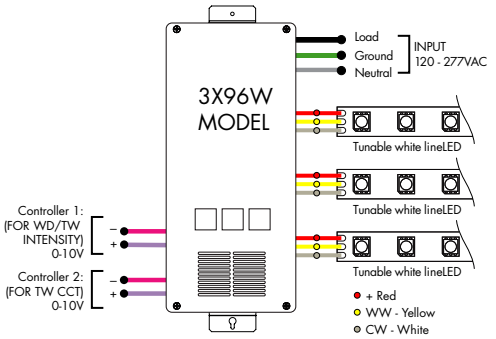
Ordering Code - VintageDim® 0-10V Dimming Power Supplies 0.1% 120VAC - 277VAC

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT
	-		-		-		-	
PS - Power Supply, 120-277VAC		010V-WD - 0 -10V Dimming (0.1%), Standard Warm Dim Curve (with Tunable White LED) 010V-TW - 0 -10V Dimming (0.1%), Two Channel Control, Brightness and CCT1-CCT2 Ratio 010V-2CH - 0 -10V Dimming (0.1%), Two Channel Control, LED1 Brightness and LED2 Brightness 010V-WDX - 0 -10V Dimming (0.1%), Customizable Warm Dim Curve (with Tunable White LED)		D - Dry		96 - 96 Watts 3X96 - 3x96 Watts[1]		24 - 24 VDC



1 - 3x96 is only available with input control options 010V-WD and 010V-TW

MODELS	96W	3X96
Length	14.40"	15.00"
Width	5.20"	6.62"
Depth	2.60"	4.56"



Controllers and Decoders

For use with Tunable White Power Supplies



ORDERING CODE

MODEL

DTW-MC

DTW-MC - Tunable White controller

Tunable White wall-mount controller controls lighting fixtures, wireless control of TW lighting fixture. Fits in any standard US switch box. Includes all the outputs in the back of the controller.

Features

- Switch & dimming control function, control range > 20M.
- Smooth transition between light levels.
- Separately operate dimming and color temperature functions.
- Able to control 1 zone with endless receivers. Each receiver can maximally be controlled by 8 remotes.
- Power, temperature color and dimming functions operated by push button after receivers are connected.

Operating Voltage

3V DC battery

Color Parameters

- Brightness
- Saturation
- Fading



ORDERING CODE

MODEL

TW-DMX

TW-DMX - DMX controller

Tunable White DMX wall-mount controller is a fully touch sensitive controller designed in accordance with standard protocol DMX512. Offers fast and accurate color temperature adjustment and brightness dimming of natural white, warm white and cold white. Designed with a touch color wheel, the DMX512 controller can adjust color temperature and brightness for all white LEDs smoothly and accurately. The DMX controller can control 1 zone with endless decoders.

Features

- 1 zone
- 6 color scenes
- DMX Control
- Touch Sensitive Glass Surface
- Dimming and Speed Control
- Memory Function
- Easily Fits Standard US Switch Boxes

Operating Voltage

12 - 24V DC

Color Parameters

- Brightness
- Saturation
- Primary colors
- Fading
- Color changing speed



ORDERING CODE

MODEL

SLD-DIMTW

SLD-DIMTW - Tunable white LED dimming module

The SLD DimTW is a constant voltage warm dimming LED dimming module. The unique dimming module accepts 0-10V control and mimics a smooth, incandescent dimming curve.

Features

- Flicker free 0-100% dimming
- High efficiency up to 97%
- High precision dimming ratio:>1:1000
- Fully isolated plastic housing
- Comply with EN55015 and FCC part 15 without additional input filter and capacitors
- compact size, high reliability
- 3 years warranty

Operating Voltage

8-48 VDC

Controllers and Decoders

For use with Tunable White, RGB/RGBW Power Supplies



Translates controller DMX512 programs for RGB and white LED strips.

Unique DMX address for the decoder can be set easily and displayed by the numeric display on the case. Changing and resetting the DMX address requires manual input.

Use power repeater to expand output.

Operating Voltage

12-36 VDC

Power Capacity

up to 96W at 24V

Operating Temperature Range

from -4°F to +122°F in case

ORDERING CODE

MODEL

DDMX-RGBW

DDMX-RGBW - DMX decoder



The RGBW receiver is easily paired with controller by the click of a button. Receiver can be reset to factory settings at any time.

Each receiver can store one static RGB color, one color sequence, and one brightness setting for the white LED strip. Receivers assigned to the same scene within the same zone will have the same LED static color and color sequence.

Operating Voltage

12-36 VDC

Power Capacity

up to 96W at 24V

Operating Temperature Range

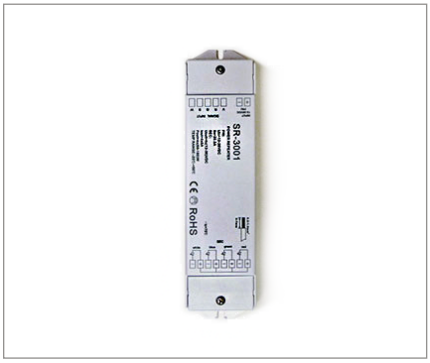
from -4°F to +122°F in case

ORDERING CODE

MODEL

RGBW-RC-R

RGBW-RC-R - RGBW receiver



Extends identical signal when connected in series to an RGBW LED control system. The RGBW signal repeater works with Luminii RGB and RGBW controllers, receivers, and decoders.

RGBW signal can be extended indefinitely when adequate power supply (not included) is connected to the system.

Operating Voltage

12-36 VDC

Power Capacity

up to 96W at 24V

Operating Temperature Range

from -4°F to +122°F in case

ORDERING CODE

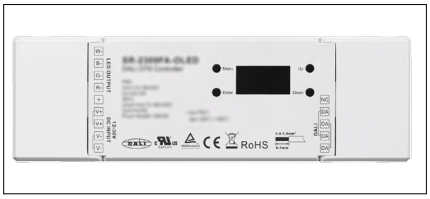
MODEL

RGBW-SR

RGBW-SR - RGBW signal repeater

Controllers and Decoders

For use with Tunable White, RGB/RGBW Power Supplies



ORDERING CODE

MODEL

DALI2-DT8-RGBW

DALI2-DT8-RGBW - DALI-2 RGBW Decoder

A 4-channel DALI2 DT8 decoder designed to control RGB, RGBW, and TW LED fixtures, featuring adjustable color temperature and customizable lumen output.

Voltage/Frequency
12-36VDC

Max Output Power
4 output channels, 60-180W each

Max Output Current
4 output channels, max of 5A each

Ambient Operating Temperature Range
-20 to 50°C

Environment
Dry (IP20)



ORDERING CODE

MODEL

DDMX-5CH-RDM-PRO

DDMX-5CH-RDM-PRO - DMX512 Decoder

DMX512 decoder with RDM functionality features 5 PWM output channels with common anode. High PWM output frequency range allows the product to be used in HD video conferencing spaces. All DMX products to be installed per DMX512 Standard.

Power
96 Watt

Inputs
RJ45, XLR-5Pin, Terminal Block

DMX Channels
1 to 5 settable

PWM Output Resolution Ratio
8 or 16 bit

PWM Output Frequency
500Hz - 30KHz

Output Dimming Curve Gamma Value
0.1 ~ 9.9



ORDERING CODE

MODEL

RGBW-WI-R

RGBW-WI-R - WIFI generator

RGBW-WI-R creates a local network that enables any electronic device (phone, tablet, etc.) to control the RGB/W strip connected to a RGBW-RC-R receiver.

The control functions are achieved through a free application download for Android and iOS devices called REALCOLOR.

Operating Voltage
12-36 VDC

Power Supply
PI-130-24 (included)

Operating Temperature Range
from -4°F to +122°F in case

For use with Tunable White, RGB/RGBW, Pixel Power Supplies



ORDERING CODE

MODEL

TSDMX-E

TSDMX-E - Touchscreen DMX controller

Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

Features

- Sleek glass design which sits 0.43" from the wall
- Graphical color display to show selected environment
- Color/dimmer/speed palette
- Color temperature mixing
- Touch sensitive buttons. No mechanical parts
- Touch sensitive wheel allows for accurate color selection
- Multi-zone microSD memory
- Multi-room control with 500 scenes, 10 zones
- 1024 DMX channels. Control 340 RGB fixtures
- USB & Ethernet connectivity for programming and control

Power Supply
7 VDC (included)

Programmability
PC, Mac, Tablet, Smartphone

Output Signal
DMX512 (1024 channels)

Color Parameters

- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness