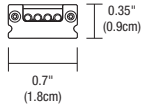


LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL

24VDC 5W, TRUCOLOR™ RGBTW

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 12.16.24



DESCRIPTION

Light Channel 0.3" Surface Mount System is a made-to-order complete fixture, featuring a minimal profile, Clear or Diffused Lens. **TruColor™ RGBTW** light engine. 12" to 120". For longer continuous runs, see DIY spec sheet.

FEATURES AND BENEFITS

- TruColor™ LED's achieve an average CRI-Color Rendering Index of 94+ and a Duv of ± 0.0046 in relation to the blackbody curve at any point on the spectrum of tunable white CCT.
- Low voltage up to 100 watt. Class 2 wiring, 24VDC. Junction Box and Pure Smart WiZ Pro Bridgebox (C-1RE4G-WZ-TC5W5-LC sold separately) allow for 5-Channel wireless control of the Light Channel luminaire.
- Power Consumption: 5W5 (5 watts/ft total)
- For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

LENS OPTIONS

- **(C)** Clear Lens provides maximum illumination use of a 100° transparent clear lens; LED diodes will be visible
- **(D)** Diffused White Lens projects clean lines of light 100° eliminating pixelation

AVERAGE PERFORMANCE 2000K-5500K

- Average CRI (5W7): 94+
- Average DUV (5W7): ± 0.0002
- Average R9: 91, Rg: 102, Rf: 93
- Average Life: 50,000 hours

INCLUDED COMPONENTS

- 72" of Power Feed Connector (Includes 1 per fixture. Order extra as needed based on your installation requirements.)
- Mounting Clips (Included with every 2' of Channel)

ACCESSORIES (SOLD SEPARATELY)

- Mounting Clips (Included with every 2' of Channel)
- 1RE Canopy with 4 Gang J Box and Pure Smart WiZ Pro CV Bridgebox (BR-1RE4G-WZ-TC5W5-LC necessary for wireless control)

TRUCOLOR™ RGB & TUNABLE WHITE LIGHT ENGINE

Pure Smart **TruColor™** technology uses five channels of tunable LEDs, composed of **RGBTW** red, blue, green, and Tunable White (**1500K-6500K**). With our precision-engineered, proprietary color mixing, we produce one of the widest, most accurate spectrums available, giving our customers access to the warm glow of the sunset (1500K-2400K golden hour) to the pure white light of the mid-day sun (5700K) and everything in between. **TruColor™** LED's achieve an average CRI-Color Rendering Index of 94+ and a Duv of ± 0.0020 in relation to the blackbody curve at any point on the spectrum of tunable white CCT. Dynamic Color Changing functionality provides millions of possibilities for intricate customization, rich saturated secondary colors, and unprecedented ease of installation, making **RGBTW** the ideal choice for residential and commercial applications. **TruColor™ RGBTW** adds more than just decorative flexibility; it also helps to support a healthy Circadian Rhythm and well-being. Let **TruColor™** transform your space and the people within it. **TruColor™ RGBTW** is optimized for control with WiZ Pro Wi-Fi based smart control system.

LUMEN PERFORMANCE

- **TruColor™ RGBTW** Red, Green, and Blue with Tunable White (1500K-6500K)
- 5W5 226LM/FT 5W @3000K

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

24VDC, Class 2 wiring

- [Home Integration Solutions](#)
- Pure Smart™ WiZ Pro [Power Supplies](#) & [Smart Controls](#)

APPLICATIONS

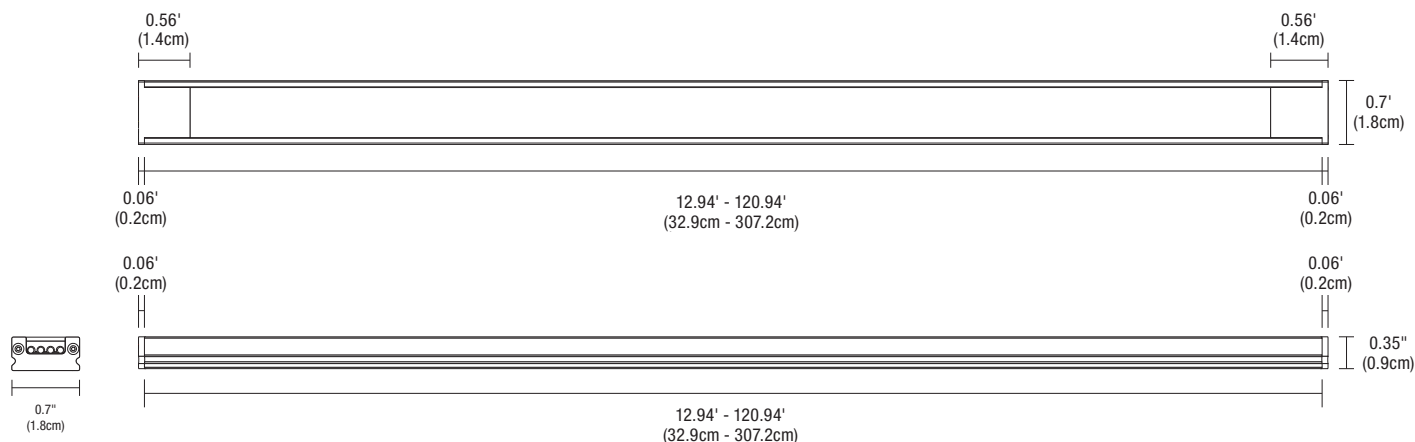
Indoor only, cove lighting, under cabinet, indirect lighting above cabinets, display lighting, toe kick, and general illumination

Product	Wattage	Nominal Size	Lens & Color Temperature	Finish
LCS.3	5W5	60	D TC	SA
LCS.3 Light Channel .3 Surface Mount	5W5 4.4 watts	12-120 Order from 12" up to 120" May be ordered in 3" increments	D Diffused Lens C Clear Lens TC TruColor™ RGBTW 1500K-6500K	SA Satin Aluminum XX Custom Finish

PROJECT		FIXTURE TYPE		DATE	
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LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL

24VDC 5W, TRUCOLOR™ RGBTW



NOMINAL LAMP DATA

	DIFFUSED LENS									CLEAR LENS								
DESCRIPTION	5W5 5W RGB & 5W TUNABLE WHITE									5W5 5W RGB & 5W TUNABLE WHITE								
WATTS PER FOOT	5W Maximum									5W Maximum								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS PER FOOT (lm/ft)	98	146	178	199	206	217	234	165	152	127	190	230	258	267	281	304	213	196
LUMENS PER WATT (lm/w)	36	32	41	47	48	50	56	56	55	47	42	53	61	63	65	72	72	71
CRI	91.8	93.8	94.5	94.9	95.5	96.9	97.2	92.1	89.8	91.8	93.8	94.5	94.9	95.5	96.9	97.2	92.1	89.8
Duv	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063
Rf	91	93	94	94	95	94	94	92	90	91	93	94	94	95	94	94	92	90
Rg	105	101	103	105	104	102	100	102	103	105	101	103	105	104	102	100	102	103
R9	90	90	90	94	97	97	91	81	70	90	90	90	94	97	97	91	81	70
R13	92	94	95	95	94	96	99	90	87	92	94	95	95	94	96	99	90	87
R15	99	99	99	98	97	97	97	89	85	99	99	99	98	97	97	97	89	85
WATTS/FOOT	2.7	4.55	4.35	4.25	4.25	4.35	4.2	2.95	2.75	2.7	4.55	4.35	4.25	4.25	4.35	4.2	2.95	2.75

FOOT CANDLE CHARTS

30K 5W DIFFUSED LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	201 FC
18in	21in	110 FC
24in	29in	70 FC
36in	42in	35 FC

30K 5W CLEAR LENS		
DISTANCE	BEAM	FOOT CANDLE
12in	15in	273 FC
18in	21in	145 FC
24in	29in	91 FC
36in	42in	44 FC

*Foot Candle Data is based off 4' Channel.

LENGTH CHARTS: Actual lengths for Light Channel .3 Surface Mount

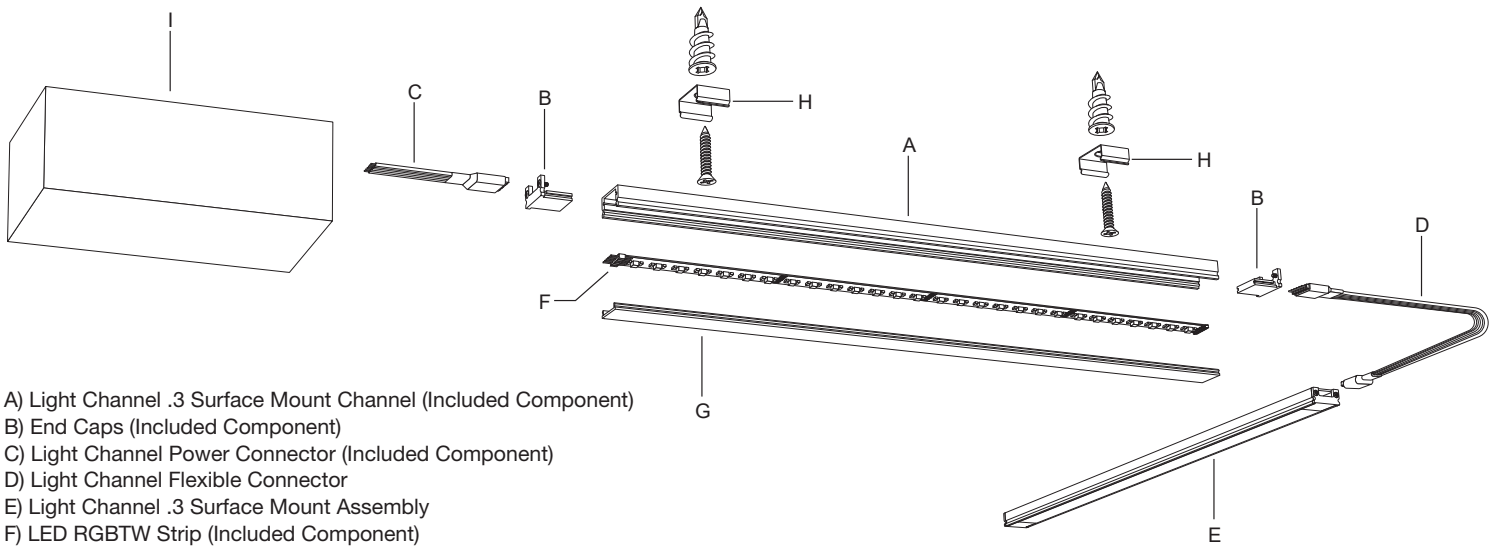
Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)	Ordering Code (Nominal Size)	Illuminated Length (Inches)	Overall Length (Inches)
12	12.0	13.0	41	40.8	41.8	70	69.6	70.6	99	98.4	99.4
15	14.4	15.4	44	43.2	44.2	72	72.0	73.0	101	100.8	101.8
17	16.8	17.8	46	45.6	46.6	75	74.4	75.4	104	103.2	104.2
20	19.2	20.2	48	48.0	49.0	77	76.8	77.8	106	105.6	106.6
22	21.6	22.6	51	50.4	51.4	80	79.2	80.2	108	108.0	109.0
24	24.0	25.0	53	52.8	53.8	82	81.6	82.6	111	110.4	111.4
27	26.4	27.4	56	55.2	56.2	84	84.0	85.0	113	112.8	113.8
29	28.8	29.8	58	57.6	58.6	87	86.4	87.4	116	115.2	116.2
32	31.2	32.2	60	60.0	61.0	89	88.8	89.8	118	117.6	118.6
34	33.6	34.6	63	62.4	63.4	92	91.2	92.2	120	120.0	121.0
36	36.0	37.0	65	64.8	65.8	94	93.6	94.6			
39	38.4	39.4	68	67.2	68.2	96	96.0	97.0			

PROJECT		FIXTURE TYPE		DATE	
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LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL

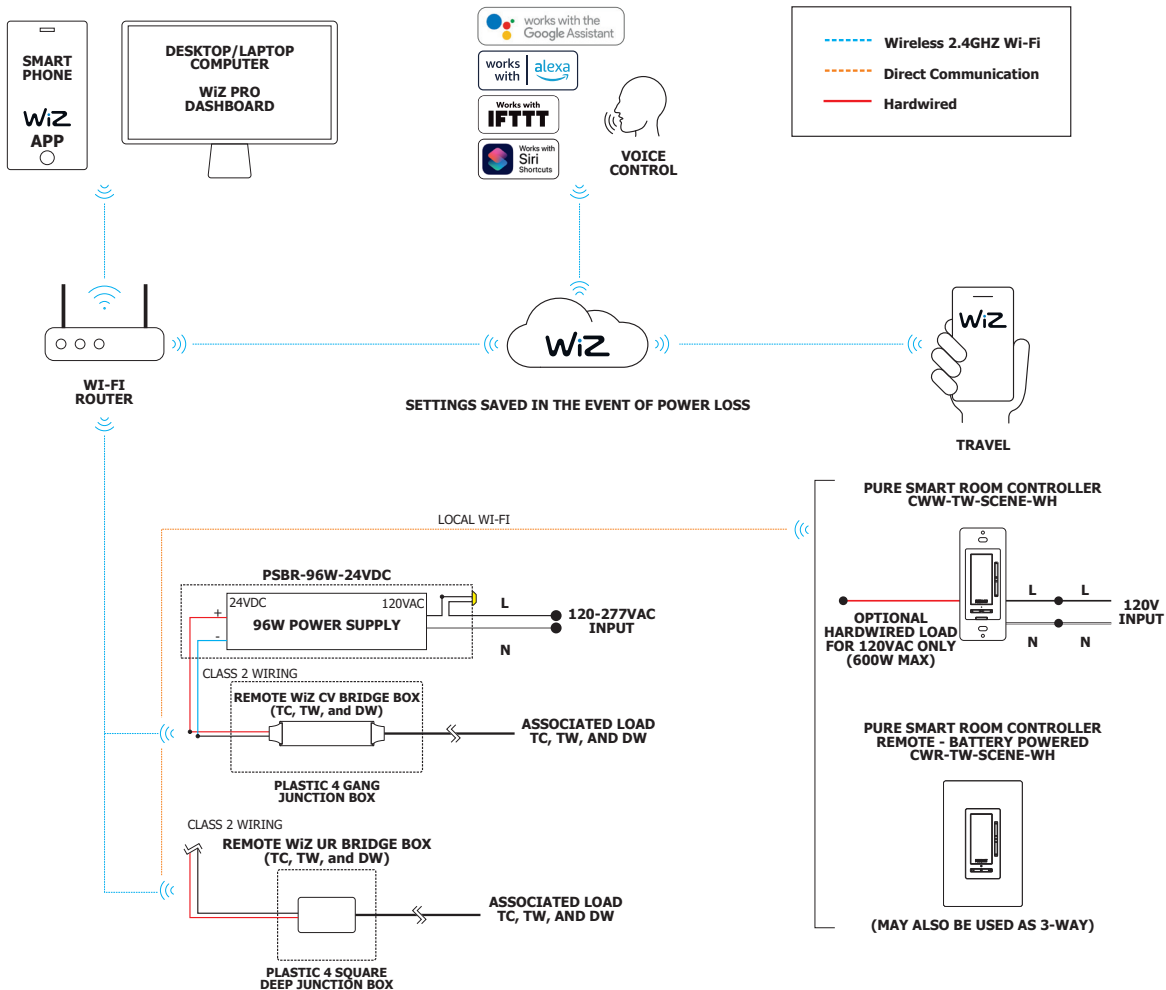
24VDC 5W, TRUCOLOR™ RGBTW

INCLUDED COMPONENTS: Indoor Light Channel .3 Surface Mount system overview



- A) Light Channel .3 Surface Mount Channel (Included Component)
- B) End Caps (Included Component)
- C) Light Channel Power Connector (Included Component)
- D) Light Channel Flexible Connector
- E) Light Channel .3 Surface Mount Assembly
- F) LED RGBTW Strip (Included Component)
- G) Lens (Included Component)
- H) Mounting Clips (Included Component with every 2' of Channel)
- I) Remote Power Supply (Sold Separately)

WIRING DIAGRAM: For Indoor Light Channel .6 Surface Mount

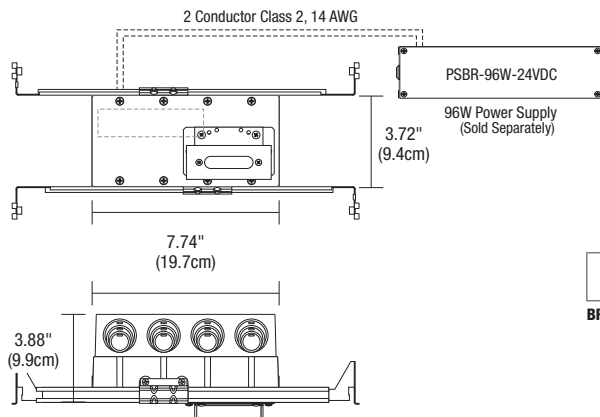


PROJECT		FIXTURE TYPE		DATE	
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LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL

24VDC 5W, TRUCOLOR™ RGBTW

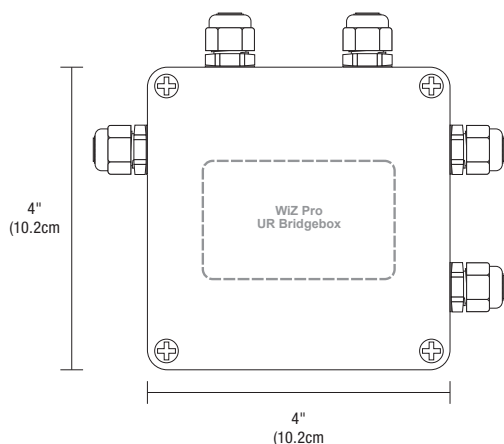
COMPONENTS J-box, Split Canopies, & Mounting Clips are included and sold separately for replacement only



1" RECTANGLE CANOPY WITH 4 GANG JUNCTION BOX AND PURE SMART WIZ PRO CV BRIDGEBOX FOR DRYWALL OR WOOD CEILING

The slim profile 1RE Canopy with 4 Gang Junction Box comes with adjustable hanger bars and a Pure Smart WIZ Pro 96 watt CV bridgebox allowing for 5-channel, wireless control of the TruColor RGBTW Cirrus Luminaire. Two Class 2, 14AWG stranded conductors from the Remote Power Supply up to 40 ft away are required.

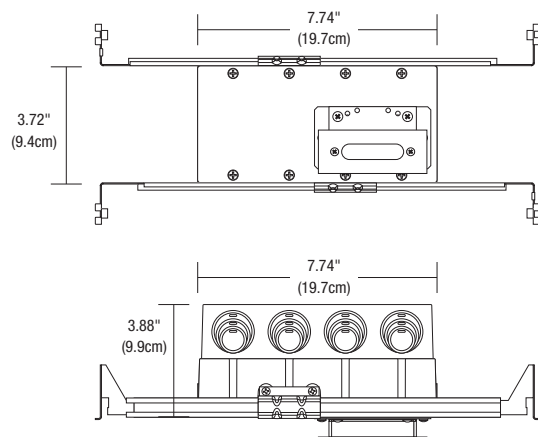
System	Canopy	Wattage	Control	Color Temperature	System Code
BR	1RE4G	96W	WZ	TC5W5	LC
BR Bridgebox Remote	1RE4G 1" Rectangle Canopy with 4 Gang Junction Box	96W 96 Watts	WZ WIZ pro Connected CV Smart Bridgebox Included	TC5W5 TruColor™ 5 watts RGB & 5 watts Tunable White	LC Light Channel



T BAR DROP CEILING SURFACE 4" SQUARE GANG JBOX AND PURE SMART WIZ PRO UR BRIDGEBOX

The 4" Square Junction Box located above Tbar ceiling includes connectors for fast and secure connection to the RGBTW Cirrus fixture and Pure Smart WIZ Pro 96 watt UR bridgebox allowing for 5-channel, wireless control of the TruColor™ RGBTW Cirrus. Requires two Class 2, 14 AWG stranded conductors from the Remote Power Supply up to 40 ft away. Can be quick shipped for rough-in.

Type	Component	Wattage	Control System	Color Temperature	System
BR	4SQ	96W	WZ	TC5W5	LC
BR Bridgebox Remote	4SQ 4 Square Junction Box, 1 to 5 connector outputs	96W 96 Watts	WZ WIZ pro Connected UR Smart Bridge box Included	TC5W5 TruColor™ 5 watts RGB & 5 watts Tunable White	LC Light Channel



CEILING SURFACE 1" RECTANGLE CANOPY & 4 GANG JUNCTION BOX (Included with complete fixture ordering code)

The Junction Box opening is covered by the fixture for a clean no Canopy look. Includes 4 gang Junction Box with adjustable bar hangers. Includes a Goof Plate, for poor plastering around J-box. Can be quick shipped for rough-in.

Type	Component	Ceiling/Wall Type
C	1RE	JB4G
C Channel	1RE 1" Rectangle End Feed	JB4G 6 Conductor 4 Gang Junction Box

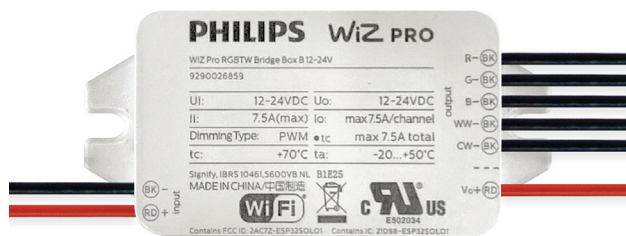
LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL 24VDC 5W, TRUCOLOR™ RGBTW



CV BRIDGE BOX ONLY (REPLACEMENT FOR 1RE4G JBOX)

The Pure Smart™ Class2 wiring Type, for use in tight spaces like a cabinet. CV96W RGBTW Bridgebox enables wireless control of a constant voltage, 5 Channel RGBTW LED load with the WiZ Pro wireless control ecosystem. For use with Non-Dim PSB (PSBR-96W-24VDC).

Product	Wattage	Color Temperature	System
BRBOX	CV96W	TC5W5	LC
BRBOX Bridgebox	CV96W Slim Profile WIZ Bridgebox	TC5W5 TruColor™ RGBTW 5 watts RGB & 5 watts Tunable White	LC Light Channel



PURE SMART/WIZ PRO UR BRIDGEBOX

The Phillips WiZ Pro Type UR RGBTW Bridgebox is a low voltage Class 2 wireless control module allowing for 5 Channel (RGBTW) full color control within the WiZ Pro wireless control ecosystem. Same as UR but with mounting holes. 24V input voltage For use with Non-Dim PSB (PSBR-96W-24VDC).

Type	Color Temperature		System
BRBOX	UR96W	TC5W5	LC
BRBOX Bridgebox	UR96W 96 Watts	TC5W5 TruColor™ RGBTW 5 watts RGB & 5 watts Tunable White	LC Light Channel



POWER FEED/FLEXIBLE CONNECTOR

One Female Power Connector is included with each order of channel. For jumper connections, we recommend using WAGO 221 Lever Nuts according to your specific application requirements.

Product	Type	Type	Size	Color Temperature
SS	FE	CON	6IN	RGBTW
SS Stomp Strip/Soft Strip	FE Female Connector	CON Connector	6IN 6 Inches 72IN 72 Inches	RGBTW Red, Green, Blue, and Tunable White



FLEXIBLE CONNECTOR

Flexible connectors link two sections of the Light Channel end to end. WAGO 221 Lever Nuts can also be used as jumper connections according to your specific application requirements.

System	Type	Product	Size	Color Temperature
SS	CFX	CON	12IN	RGBTW
SS Stomp Strip/Soft Strip	CFX Flexible Connector	CON Connector	12IN 12 Inches 72IN 72 Inches	RGBTW Red, Green, Blue, and Tunable White

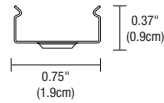
LIGHT CHANNEL COMPLETE FIXTURE 0.3" CHANNEL

24VDC 5W, TRUCOLOR™ RGBTW

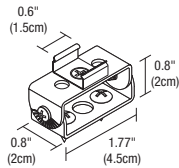
ACCESSORIES: Indoor Light Channel .3 Surface Mount, order based on lighting design or as replacement parts



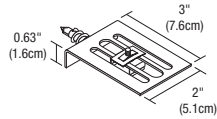
LCS.6-MCL



LCS.6-MCL



LCS.6-MCL-075

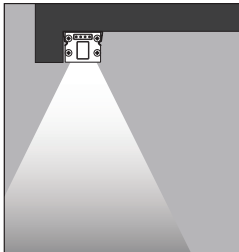


LCS.6-MCL-90

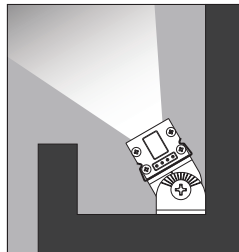
MOUNTING CLIPS

LC-MCL mounting clips are provided with every two feet of Light Channel and may be ordered separately as replacement parts. The LC-MCL-075 rotates Light Channel up to 75 degrees. LC-MCL-90 mounts Light Channel at a 90 degree angle.

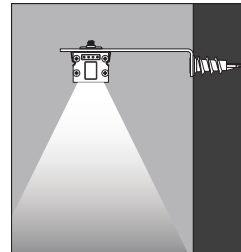
System	Product	Type
LCS.6	MCL	STANDARD (LEAVE BLANK)
LCS.6 Light Channel 0.6" Surface Mount	MCL Mounting Clip	075 Adjusts 0-75° 90 Adjusts 90°



SHOWN WITH LCS.6-MCL



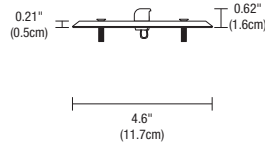
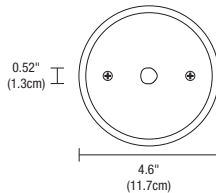
SHOWN WITH LCS.6-MCL-075



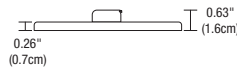
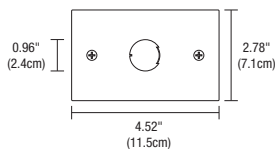
SHOWN WITH LCS.6-MCL-90



4RD-WH



3RE-WH



CANOPY COVER & SPLICE BOX

Use for remote located power supply. The 3" rectangle or 4" round white canopy covers the electrical box and feeds wires for Light Channel. The Splice Box provides a safe enclosure for low voltage connections.

Product	Finish
3RE	WH
3RE 3" Rectangle Canopy Cover	WH White
4RD 4" Round Canopy Cover	

PURE SMART™ Wi-Fi 120V ROOM CONTROLLER

CONNECTED BY WiZ PRO



DESCRIPTION:

The Pure Smart™ Wi-Fi Room Controller works with any WiZ Connected Smart fixtures/lamps. The Room Controller grants independent adjustment of both color temperature and intensity, as well as scene selection for Single Channel/Static, Tunable White, and TruColor™ RGBTW Fixtures. Four preset scenes can be associated with the room controller via the WiZ App. Custom scenes can be created using multiple layers of light, colors, and can include Pure Smart Wi-Fi Dimmer and Switch as well. No Hub required. Room Controller communicates with fixtures directly on the Local Area Network allowing for control even if the Wi-Fi goes down. Compatible with WiZ Connected fixtures only. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

OPERATION

Features ON/OFF buttons, CCT and brightness control rockers, and 4 preset/custom scene selections. Maximum output of 600W for hardwired WiZ Connected devices. No load restriction when load wire is not used and devices are connected wirelessly to Room Controller. Communicates with 2.4GHz Wi-Fi only. No Hub Required.

EASY INSTALLATION

The Pure Smart™ Wi-Fi Room Controller installs just like a traditional dimmer. 120V power is all that is needed. Switch leg is optional for CWW-TW-SCENE-WH. This is also offered in a completely wireless version (See Pure Smart Remote Room Controller CWR-TW-SCENE-WH). Compatible with standard gangable boxes. Requires neutral wire. No Hub Required.

WiZ APP

The Room Controller is added as an accessory in the WiZ app (Available on iOS or Android) and communicates directly to the WiZ enabled light fixture via direct wi-fi signal on Local Area Network (LAN). Voice control enabled when used in conjunction with Google Assistant, Siri, Alexa, IFTTT, and SmartThings. Grouping, zoning, scheduling, and custom scenes can all be programmed with the WiZ app or WiZ Pro Dashboard.

BODY

Durable polycarbonate body, compatible with decorator style wall plate (not included).

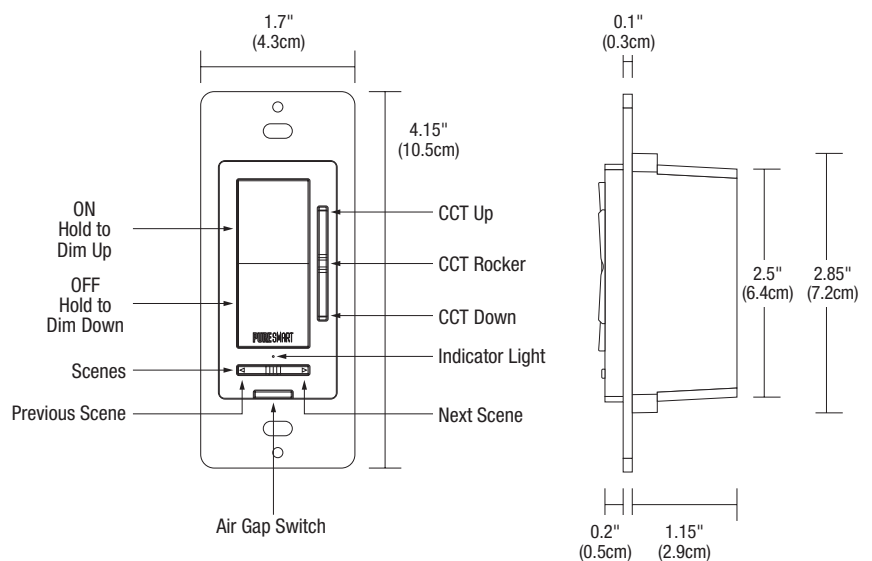
SECURITY

3rd party log-in and cloud security provide a safe and protected connection. WiZ does not store nor share any personal information.

SPECIFICATIONS

Approved Location	Dry / Indoor
Input Voltage	120Vac - 60 Hz
Certification	cULus, FCC
Compatible Load(s)	WiZ Connected products only
Maximum Power	600W (Hardwired Loads), No Maximum for Wireless Loads
Output Current	5A
Power Consumption	Relay OFF: 0.07W Soft OFF: 0.79W ON: 0.79W
Dimming	Dims to 3%
Operating Temperature	23°F~113°F (-5°C~45°C)
Wireless Frequency	2.4GHz
Wireless Standard	IEEE 802.11
Warranty	3 Year

Product	Type	Finish
CWW	TW-SCENE	WH
CWW Controller, Wall Mount, WiZ Pro connected	TW-SCENE Tunable White + Scenes	WH White



PROJECT		FIXTURE TYPE		DATE	
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PURE SMART™ Wi-Fi REMOTE ROOM CONTROLLER

CONNECTED BY WIZ PRO FOR TABLE TOP OR WALL, BATTERY OPERATED



DESCRIPTION:

The Pure Smart™ Wi-Fi Remote Room Controller works with any WiZ Connected Smart fixtures/lamps. The Remote Room Controller is powered by four AAA batteries and grants independent adjustment of color temperature and intensity, as well as scene selection for four favorite scenes which are selected and assigned to the room controller in the WiZ App. The four favorited scenes, as with any scene in the WiZ ecosystem, can consist of any combination of products including bulbs, luminaires, or smart controls and can support any combination of color ranges including static white or dimmable white, Tunable White, and Tricolor RGBTW allowing for intricate customization and control. No Hub required. Room Controller communicates with fixtures directly on the Local Area Network allowing for control even if the Wi-Fi goes down. Compatible with WiZ Connected fixtures only. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

OPERATION

Dimming, CCT control rocker, and a scene control toggle. No load maximum. Communicates with 2.4GHz Wi-Fi only. No Hub Required.

EASY INSTALLATION

The Pure Smart™ Wi-Fi Remote Room Controller is powered by 4 AAA batteries and is therefore completely wireless. Multiple mounting methods available including to a standard switch box, on the wall with the included drywall anchors or adhesive strip, or kept on a tabletop with the rubber pads that help to keep it stationary. Single Pole or 3-way compatible with Pure Smart Dimmer (SWW-DIM-WH), Pure Smart Switch (SWW-SWT-WH), 120V Room Controller (CWW-TW-SCENE-WH) and another Remote Room Controller. No wires. No hub. Total control.

WIZ APP

The Room Controller is added as an accessory in the WiZ app (Available on iOS or Android) and communicates directly to the WiZ enabled light fixture via direct wi-fi signal on Local Area Network (LAN). Voice control enabled when used in conjunction with Google Assistant, Siri, Alexa, IFTTT, and SmartThings. Grouping, zoning, scheduling, and custom scenes can all be programmed with the WiZ app or WiZ Pro Dashboard.

BODY

Durable polycarbonate body.

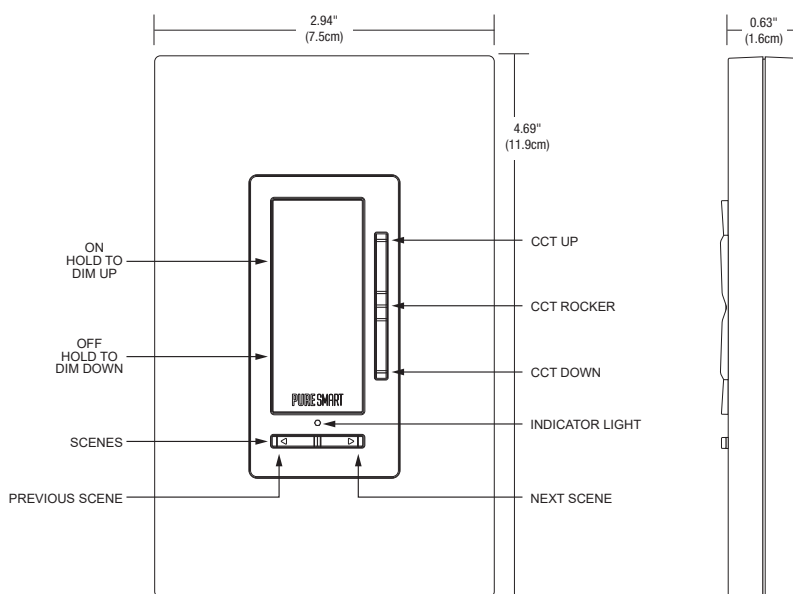
SECURITY

3rd party log-in and cloud security provide a safe and protected connection. WiZ does not store nor share any personal information.

SPECIFICATIONS

Approved Location	Dry / Indoor
Input Voltage	4 AAA batteries
Certification	cULus, FCC
Compatible Load(s)	WiZ Connected products only
Maximum Power	No Load Maximum
Output Current	5A
Power Consumption	Relay OFF: 0.07W Soft OFF: 0.79W ON: 0.79W
Dimming	Dims to 3%
Operating Temperature	23°F~113°F (-5°C~45°C)
Wireless Frequency	2.4GHz
Wireless Standard	IEEE 802.11
Warranty	3 Year

Product	Type	Finish
CWR	TW-SCENE	WH
CWR Controller, WiZ Pro connected Remote	TW-SCENE Tunable White + Scenes	WH White

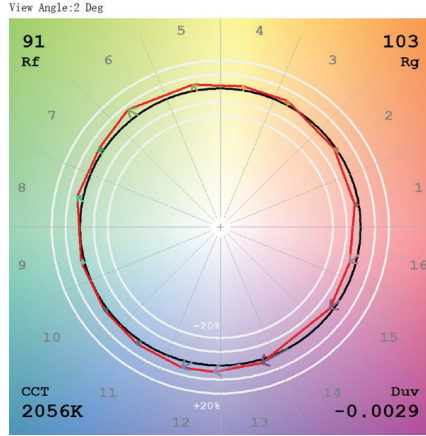


TM30 DATA

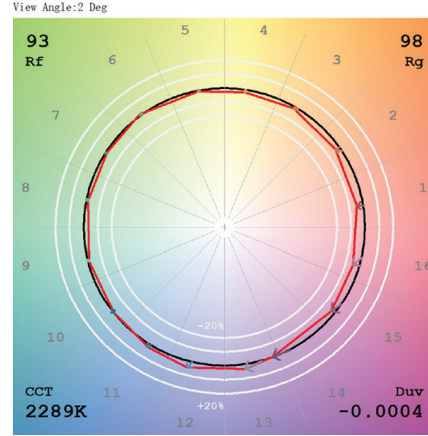
24VDC 5W, TRUCOLOR™ RGBTW

TM-30-15 DATA: The data below is for TruColor™ RGBTW (S5W7) bare LED 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.

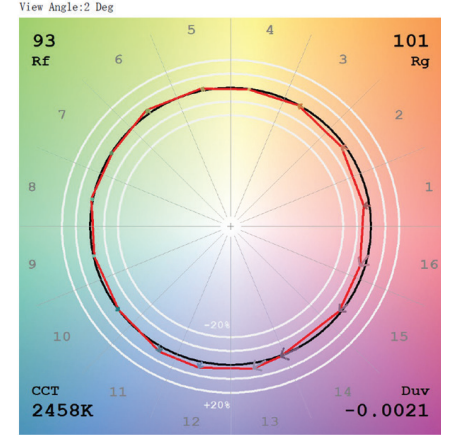
2000K (TruColor™ RGBTW)



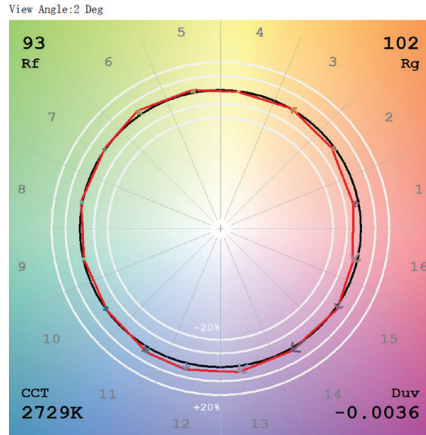
2200K (TruColor™ RGBTW)



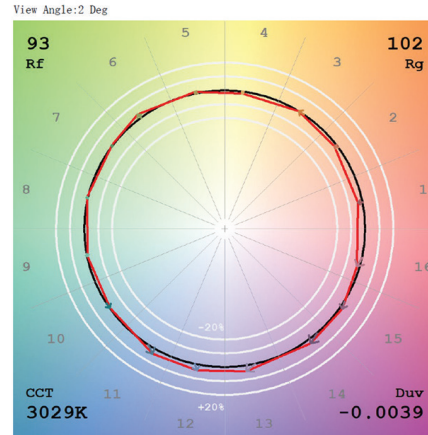
2400K (TruColor™ RGBTW)



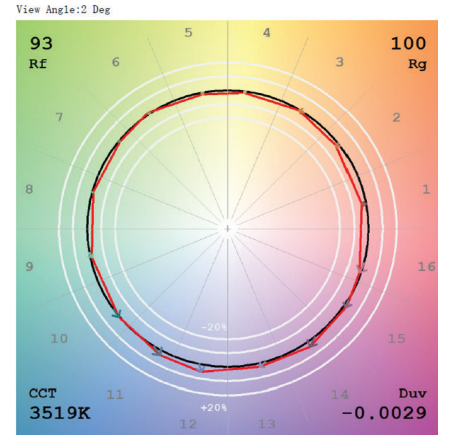
2700K (TruColor™ RGBTW)



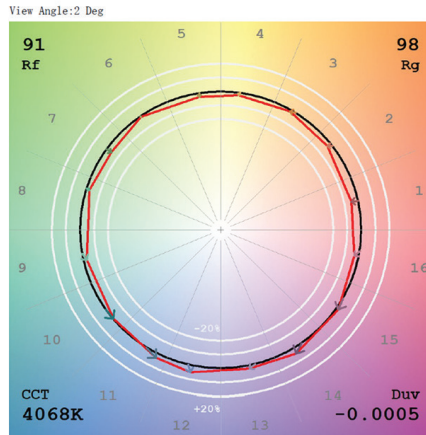
3000K (TruColor™ RGBTW)



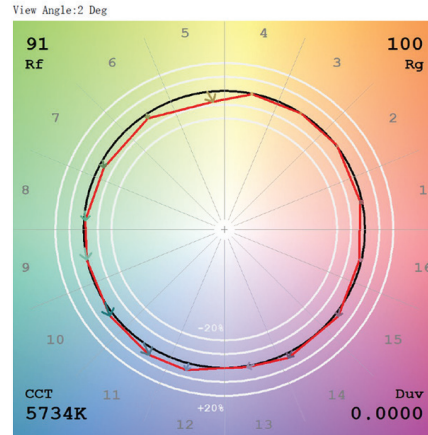
3500K (TruColor™ RGBTW)



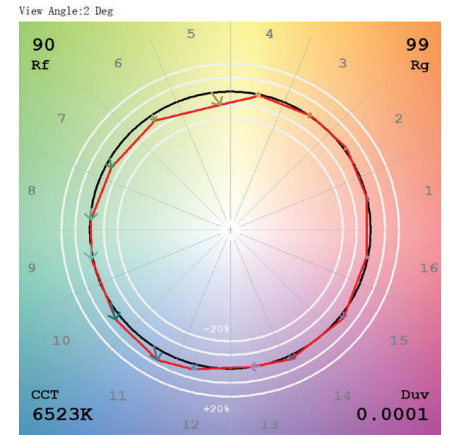
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT		FIXTURE TYPE		DATE	
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