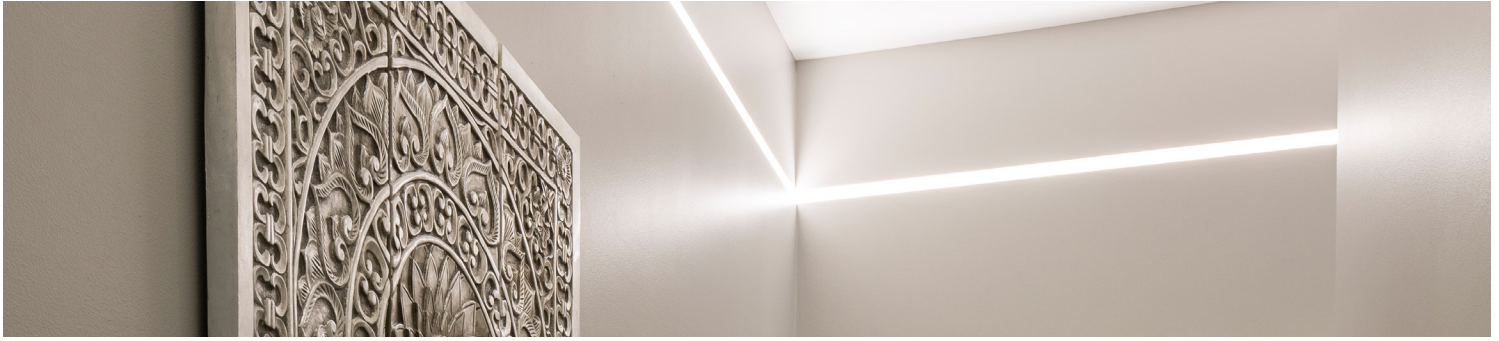


REVEAL COVE & PATHWAY RGBTW

24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 07.29.25



DESCRIPTION

Reveal Cove/Pathway is Plaster-in 24VDC LED system that Recesses within 5/8" drywall without any joist modification. Redefining the relationship between lighting and interior design, this innovative system blends seamlessly into the drywall, accenting architecture and serves as a practical wayfinding application. The slim extrusions and LED strips are field-cutable and ordered in 1' increments (up to 20' before re-feeding). Multiple runs of channel mount flawlessly together providing smooth and glare-free general illumination using designer-grade color rendering LEDs (94+ CRI). With the ability to run in horizontal and diagonal directions, the compositions are truly endless. The Reveal Cove/Path with TruColor™ RGBTW light engine requires Pure Smart™ controls for operation. The Reveal Cove/Pathway is offered in multiple wattage and color temperatures. Includes a 5 year pro-rated warranty. For custom quotes and layout assistance, send your drawings and ideas to our design team: design@PureEdgeLighting.com.

DESIGN NOTE

Reveal Cove/Pathway projects an indirect glow onto ceilings or floors to provide a glare-free architectural solution for both cove or pathway lighting applications. The 5W5 Reveal is ideal for pathway applications.

MAXIMUM LENGTHS BEFORE RE-FEEDING:

- 5W5 - 4.4 watts per foot - 20'
- 5W7 - 7.5 watts per foot - 12'
- 5W10 - 9.6 watts per foot - 10'

ORDERING & INSTALLATION

Reveal can be secured to studs spaced 13"-24" apart or between studs with provided mounting clips. Requires Remote Power Supply (ordered separately). In-Wall Mounting Kits are available for select power supplies. Order in 1' increments, field-cutable to any length.

INCLUDED COMPONENTS

Junction Box with Adjustable Mounting Bars, Pure Smart/Wiz Pro CV Bridgebox, Reveal Channel(s), Power Feed End Cap, Junction Box Cover, Dead End Cap, Take-Up Box, Drywall Screws, and LED Soft Strip. Order PSBR Remote Power Supply separately.

APPLICATIONS

Designed for any indoor space with drywall, including damp locations. Ideal applications in residential, commercial, retail, and hospitality environments.

TRUCOLOR™ RGB & TUNABLE WHITE TECHNOLOGY

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 +-0.004 at 5W5 (4.6w). 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.

LUMEN PERFORMANCE

TruColor™ **RGBTW** Red, Green, and Blue with Tunable White (**1500K-6500K**)

- 5W5 170lm/ft 5W @3000K
- 5W7 248lm/ft 7W @3000K
- 5W10 293lm/ft 10W @3000K

AVERAGE PERFORMANCE 2000K-5500K

- Average CRI: 94+
- Average DUV: +-0.004
- Average R9: 89, Rg: 102, Rf: 93
- Average Life: 50,000 hours

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

24VDC, Class 2 wiring

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

*In-Wall Mounting and drop ceiling Kits available for select power supplies

COMPLIANCE

ETL, Class 2, Damp Location, Assembled in USA. 1-hour fire rating uses Two pieces of Type X Gypsum board, for 2-Hour fire rating use Three pieces of Type X Gypsum board.

System	Watts Per Foot	Length in Feet	Color Temperature
RV	5W7	20FT	TC
RV Reveal	5W5 5 Watts RGB & 5 Watts Tunable White 5W7 5 Watts RGB & 7 Watts Tunable White 5W10 5 Watts RGB & 10 Watts Tunable White	1-20FT 1-20ft Pure Smart (5W5) 1-12FT 1-12ft Pure Smart (5W7) 1-10FT 1-10ft Pure Smart (5W10)	TC TruColor™ RGBTW Red, Green, Blue, and Tunable White 1500K-6500K

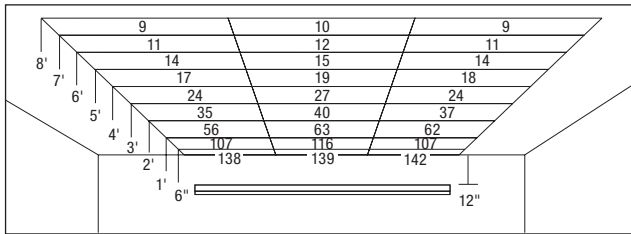
PROJECT		FITURE TYPE		DATE	
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REVEAL COVE & PATHWAY RGBTW

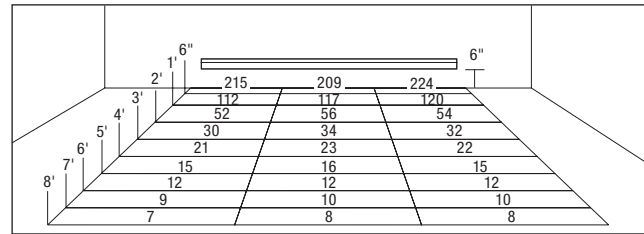
24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

	REVEAL COVE																											
DESCRIPTION	5W5										5W7										5W10							
	5W Maximum										7W Maximum										10W Maximum							
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K	
LUMENS PER FOOT (lm/ft)	81	121	147	165	170	179	194	136	125	100	166	213	242	248	261	256	150	136	106	169	227	267	293	315	306	172	156	
LUMENS PER WATT (lm/w)	30	27	34	39	40	41	46	46	52	30	43	35	41	40	42	44	44	45	30	21	29	35	37	40	37	47	54	
CRI	92	94	95	95	96	97	97	92	90	93	95	96	97	97	98	97	95	93	93	95	96	97	97	98	97	94	92	
Duv	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063	-0.003	0.0002	0.003	0.003	0.003	0.0009	0	0.003	0.003	-0.0028	-0.0005	-0.0022	-0.0035	-0.003	-0.0011	-0.0001	-0.0038	-0.0048	
Rf	90	90	90	94	97	97	91	81	70	91	90	90	94	95	93	93	79	67	91	90	90	94	95	93	90	79	69	
Rg	91	93	94	94	95	94	94	92	90	92	93	95	95	95	95	94	92	91	92	93	95	95	95	95	94	92	91	
R9	105	101	103	105	104	102	100	102	103	104	100	102	103	103	101	100	102	103	104	100	103	104	103	102	100	102	103	
R13	92	94	95	95	94	96	99	90	87	92	95	96	96	97	99	99	91	88	92	94	96	96	97	100	99	92	89	
R15	99	99	99	98	97	97	89	85	99	99	99	99	99	98	97	90	85	99	99	99	99	99	98	97	90	86		
WATTS/FOOT	2.7	4.55	4.35	4.25	4.25	4.35	4.2	2.95	2.4	3.35	3.85	6.15	5.95	6.15	6.15	5.84	3.45	3	3.5	8	7.9	7.7	7.85	7.8	8.3	3.65	2.9	

REVEAL COVE FOOT CANDLE DISTRIBUTION
SHOWN WITH 5 WATT, 3000K VERSION



REVEAL PATHWAY FOOT CANDLE DISTRIBUTION
SHOWN WITH 2.5 WATT, 3000K VERSION



5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	5	6	29	11	53	16	77
2	10	7	34	12	58	17	82
3	16	8	38	13	63	18	87
4	20	9	43	14	67	19	91
5	24	10	48	15	72	20	96

7.5 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	8	4	30	7	53	10	75
2	15	5	38	8	60	11	83
3	23	6	45	9	68	12	90

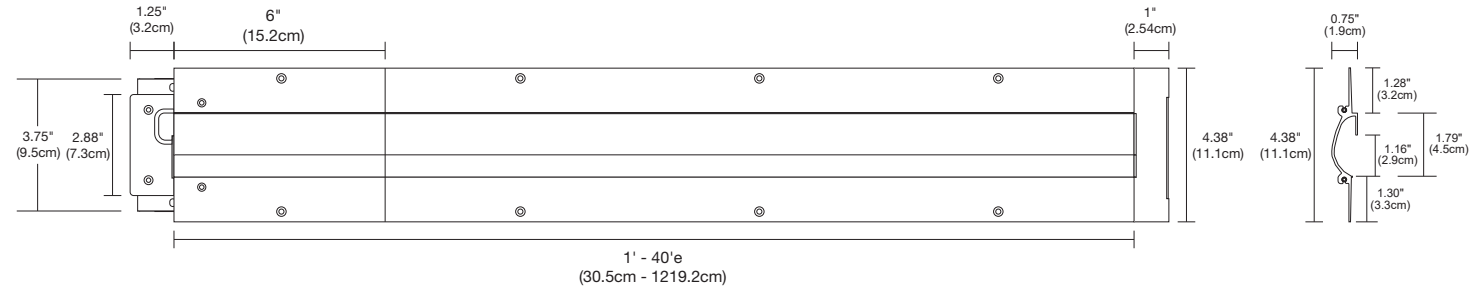
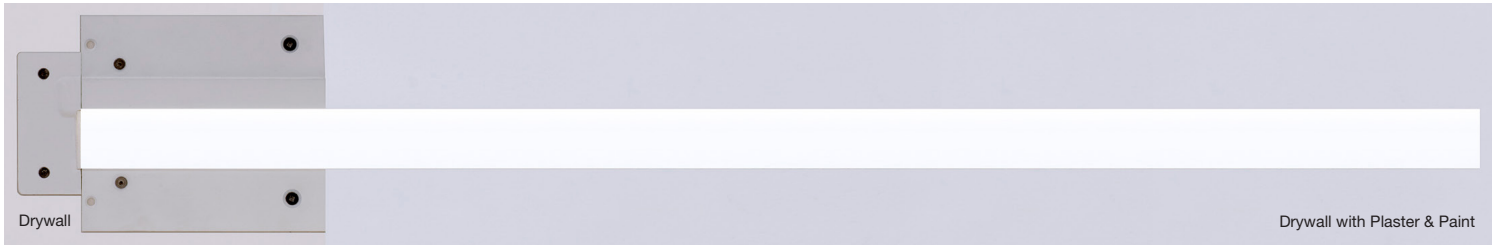
10 WATTS PER FOOT

LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS	LENGTH IN FEET	WATTS
1	10	4	40	7	70	10	100
2	20	5	50	8	80		
3	30	6	60	9	90		

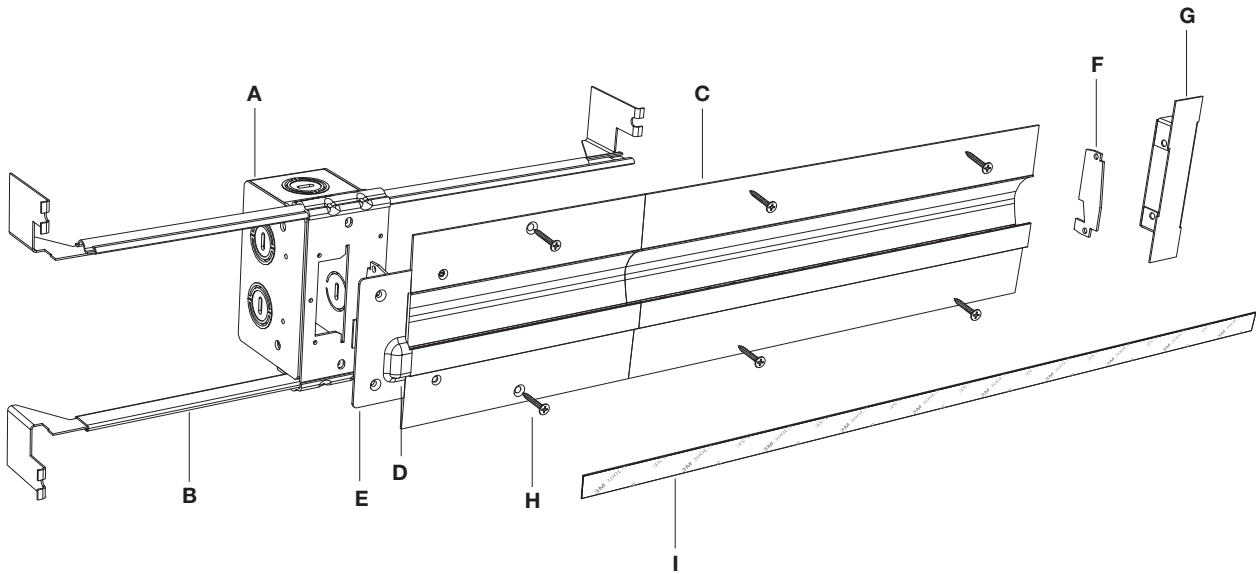
PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE & PATHWAY RGBTW

24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL



INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars, and includes a drywall template for accurate installation. Low Voltage 24VDC wires from the Pure Smart remote located power supply connect to LED wires inside box. Junction Box opening is concealed with the Reveal Junction Box cover and is required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces.

C. REVEAL CHANNEL

0.5" deep extrusion houses a single row of RGBTW TruColor™ Dynamic Color Changing LED Soft Strip.

D. POWER FEED END CAP

Provides a connection area for 24VDC wires at beginning of run where LED Soft Strip enters channel.

E. JUNCTION BOX COVER

Conceals Junction Box opening. Required at the beginning of each run.

F. DEAD END CAP PLATE

Provides a finished look and prevents light leak at end of run where LED Soft Strip exits channel.

G. TAKE-UP BOX

Prevents dark spots at end of run by tucking excess LED Soft Strip safely behind wall.

H. DRYWALL SCREWS

Secure channel to drywall and stud.

I. LED SOFT STRIP

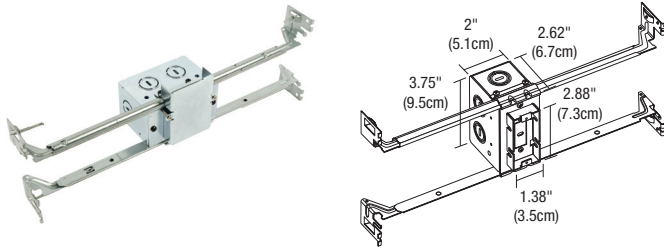
(Back Side shown) commercial-grade RGBTW TruColor™ Dynamic Color Changing LED Soft Strip. See lamp data on for additional details.

PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE & PATHWAY RGBTW

24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

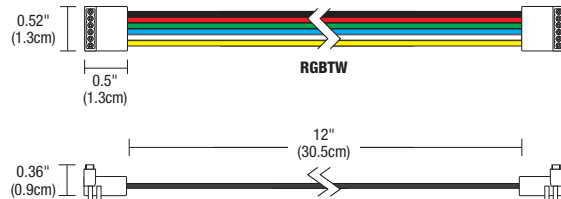
EXTRA COMPONENTS



JUNCTION BOX ROUGH-IN COMPONENT (INCLUDED)

One Junction Box is included with Reveal Wall Wash. Order additional Junction Box separately to rough-in electrical wiring before drywall installation. Quick shipment available.

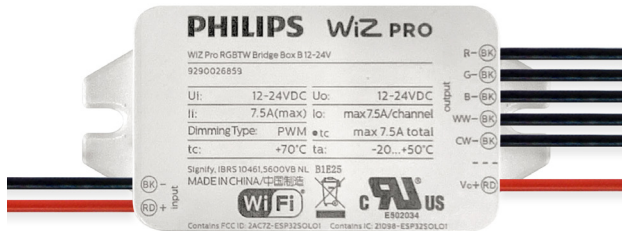
System	Size	Component
RVWW2	1RE	JBOX
RVWW2 Reveal Wall Wash	1RE 1" Rectangle	JBOX Junction Box



B90 CONNECTORS

B90 Connectors are supplied with End Power Components. The ordering code below is to be used for replacements only.

System	Type	Component	Color Temperature Options
LC	PFE	2XB90	RGBTW
LC LED Connector	PFE Power Feed	2XB90 2-Sided 90° Power Feed Connector	RGBTW TruColor™ RGBTW (RGB + Tunable White 1500k-6500K) *Leave blank for Static White, Static Color, Tunable White and RGB



PURE SMART/WIZ PRO UR BRIDGEBOX

WIZ Pro UR Bridgebox is included with 4" Square Junction for TBar ceilings and allows for integration into the WiZ Pro wireless control ecosystem. The part numbers below are to be used for replacement only. Pure Smart/WiZ Pro UR Bridgeboxes are pre-programmed with Pure Smart app icons, and proprietary color mixing for tunable white and RGBTW.

Type	Wattage	Color Temperature Options	System
BRBOX	UR96W	TC5W5	CL
BRBOX Bridgebox	UR96W 96 Watt UR Bridgebox	TC5W5 TruColor™ RGBTW 5 watts RGB & 5 watts Tunable White TC5W7 TruColor™ RGBTW 5 watts RGB & 7 watts Tunable White TC5W10 TruColor™ RGBTW 5 watts RGB & 10 watts Tunable White	CL Ceiling Linear

PROJECT		FIXTURE TYPE		DATE	
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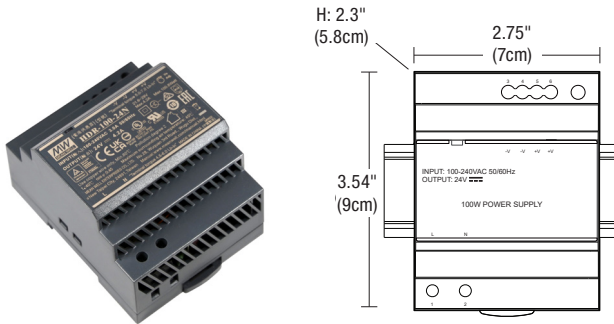
REVEAL COVE & PATHWAY RGBTW

24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

EXTRA COMPONENTS

DIN RAIL POWER SUPPLY

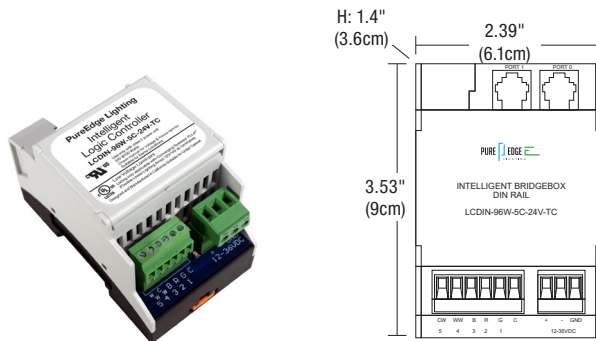
The HDR-100-24N is a compact 100W DIN Rail power supply. It's adapted to be installed on TS-35/7.5 or TS-35/15 mounting rails. Adopting the full voltage range of 85VAC-264VAC (operational 277VAC condition). The HDR-100-24N is designed with an insulated housing protecting from electrical shock hazards. Can be remote located up to 40' away using WR 14 CL2 BR.



Product	Wattage	Voltage
HDR	100	24
HDR Din Rail Power Supply	100 100 Watts, 2 Amp Max	24 24 Volts DC

INTELLIGENT LOGIC CONTROLLER DIN RAIL

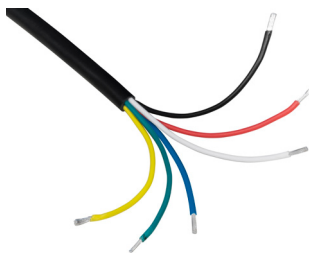
The Intelligent Logic Controller is a networkable solution for constant voltage 5-channel luminaires, offering precise CCT and vibrant color control through PureEdge's TruColor™ technology—surpassing traditional LED drivers and DMX controllers in performance and flexibility.



Product	Wattage	Control	Voltage	Color Temperature
LCDIN	96W	5C	24V	TC
LCDIN Logic Controller DIN Rail	96W 96 Watts	5C 5-Channel	24V 24 VDC	TC TruColor™ Red, Blue, Green, Tunable White 1600K-6500K

WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 6 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



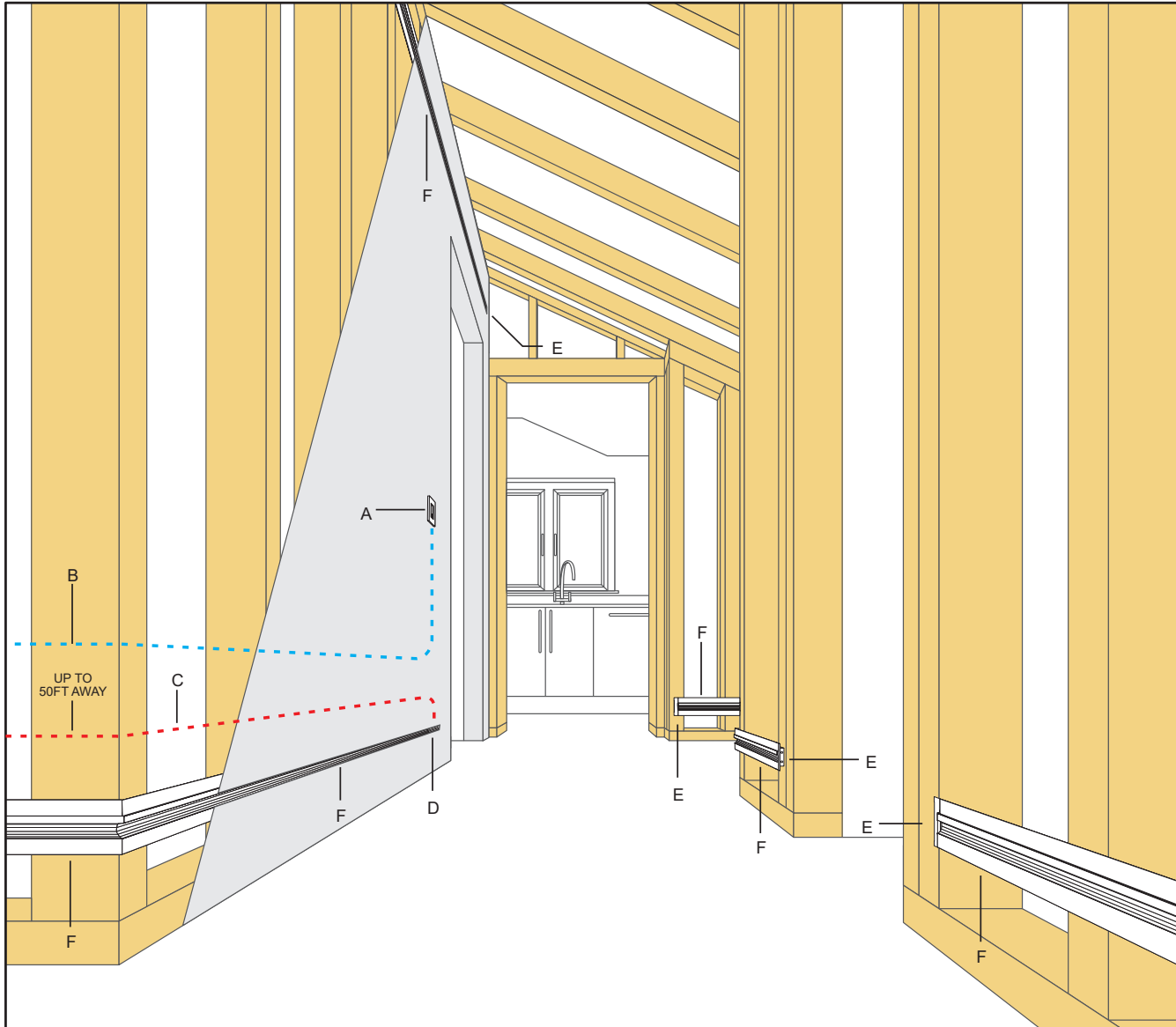
Product	Gauge	Cable
OC	14G	6C
OC Outdoor Cable	14G 14 Gauge	6C 6 Conductor

PROJECT		FIXTURE TYPE		DATE	
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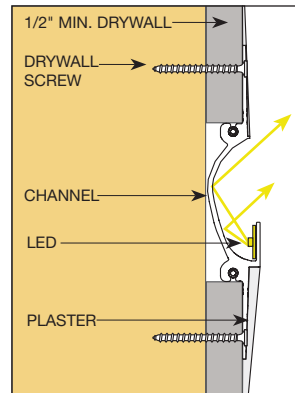
REVEAL COVE & PATHWAY RGBTW


24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

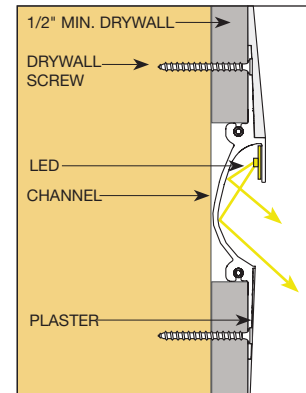
INSTALLATION




- A. PURE SMART WALL CONTROLLER**
- B. 120V TO 24V CLASS 2 POWER SUPPLY WITH PURE SMART CONTROL**
*HIDE POWER SUPPLY IN CLOSET OR UNDER SHELF
- C. 6 CONDUCTOR CABLE TO JUNCTION BOX**
- D. END FEED POWER CONNECTOR WITH JUNCTION BOX**
- E. TAKE-UP BOX**
- F. REVEAL CHANNEL**



 Direction of Light
Cove Up-Light



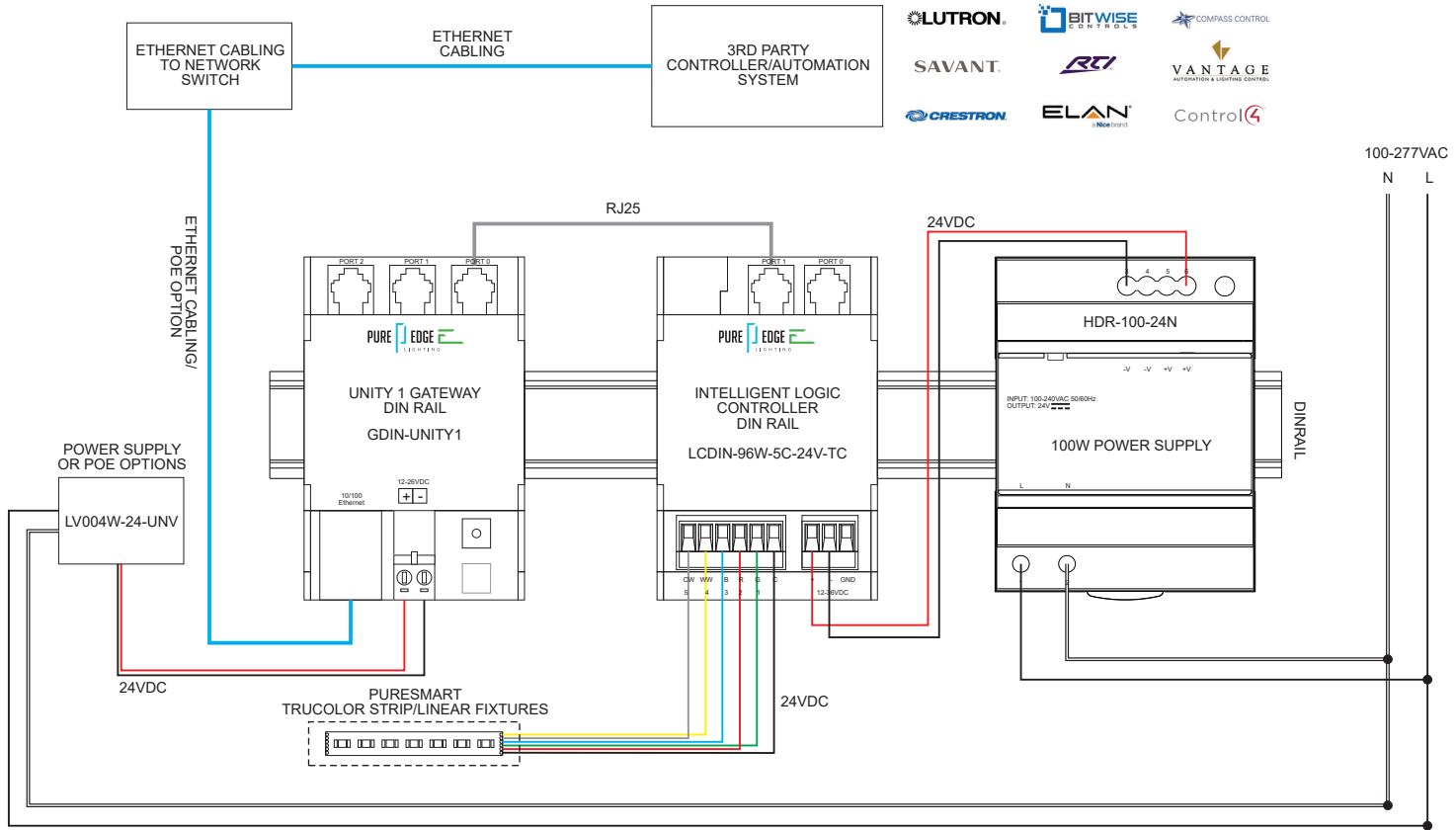
 Direction of Light
Pathway Down-Light

PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE & PATHWAY RGBTW

24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

WIRING DIAGRAM

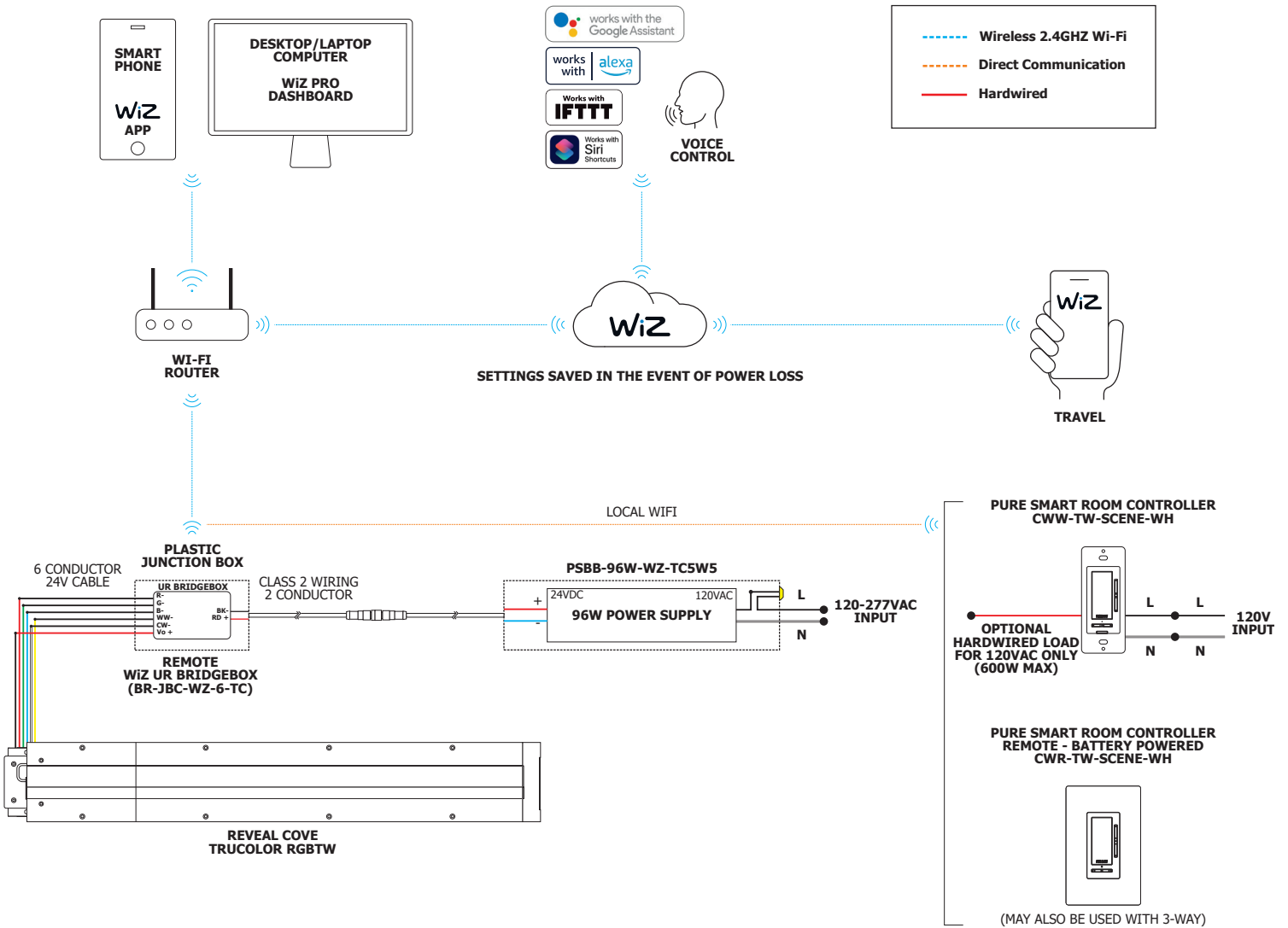


PROJECT		FIXTURE TYPE		DATE	
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REVEAL COVE & PATHWAY RGBTW

24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

NETWORK TOPOLOGY & WIRING DIAGRAM



PROJECT		FIXTURE TYPE		DATE	
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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.

SECURITY

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

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. Single Pole or 3-way compatible. 3-way can be achieved by assigning two room controllers (CWW-TW-SCENE or [CWR-TW-SCENE-WH](#)) to the same target/room/fixture. 3-way can also be achieved with a room controller in combination with the Pure Smart Dimmer ([SWW-DIM-WH](#)), or the Pure Smart Switch ([SWW-SWT-WH](#)) by assigning the dimmer or switch as a target to the room controller.

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.

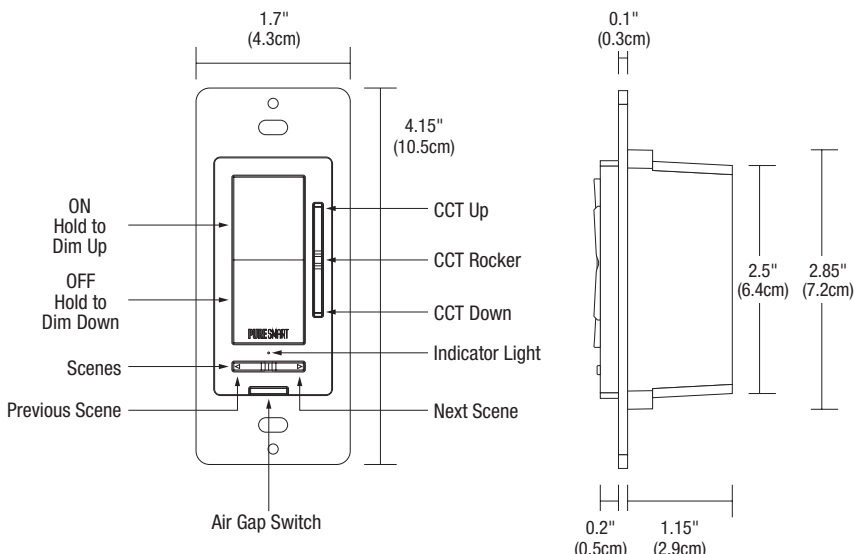
BODY

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

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 120V 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



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 (not included) 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 (not included) 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.

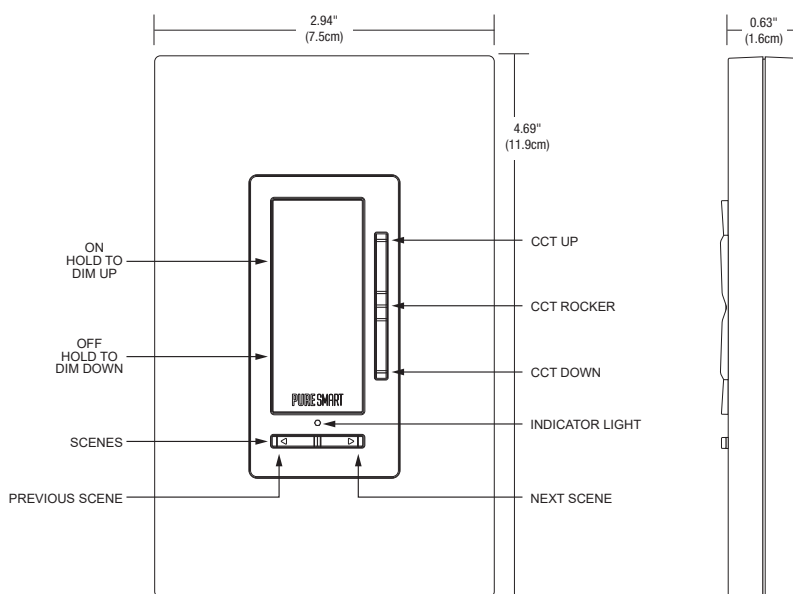
SECURITY

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 (not included)
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



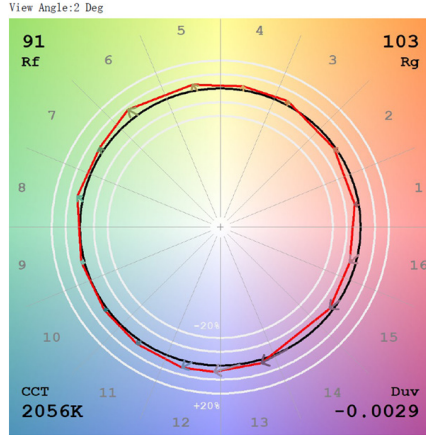
PROJECT		FIXTURE TYPE		DATE	
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TM30 DATA

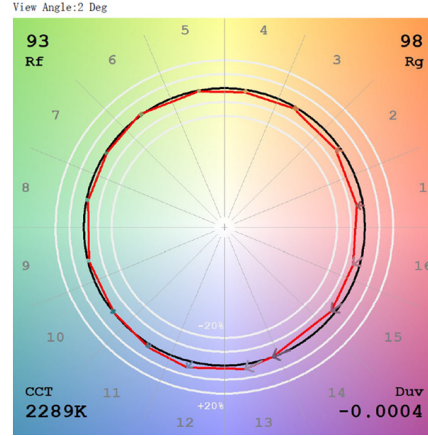
24VDC PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

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.

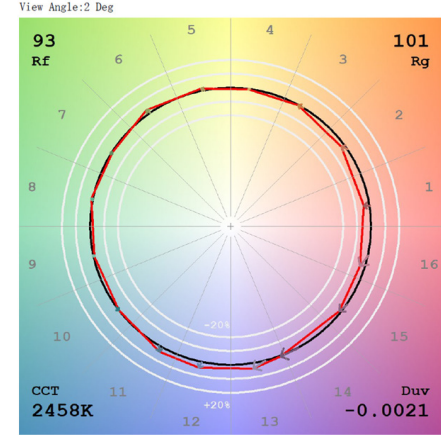
2000K (TruColor™ RGBTW)



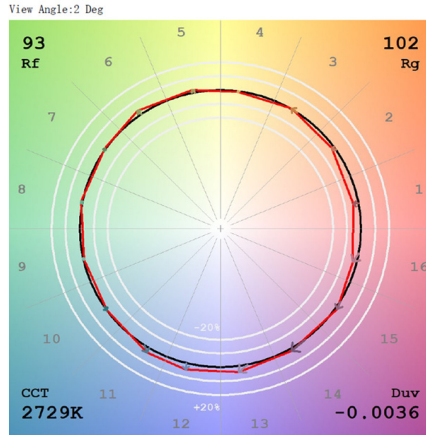
2200K (TruColor™ RGBTW)



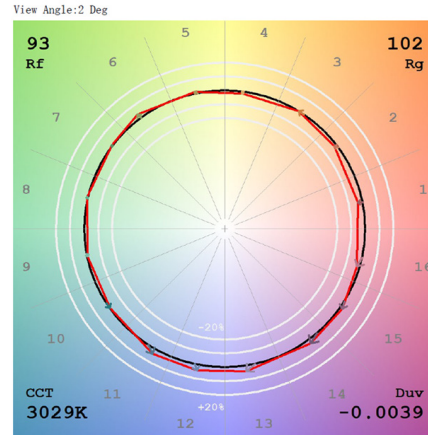
2400K (TruColor™ RGBTW)



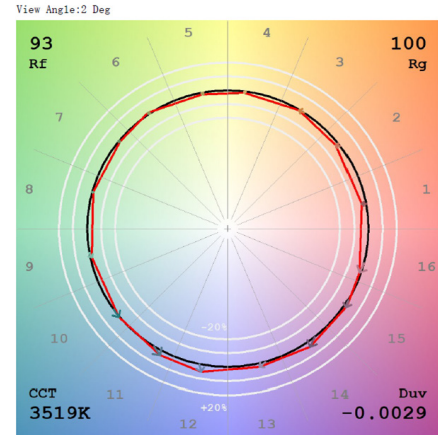
2700K (TruColor™ RGBTW)



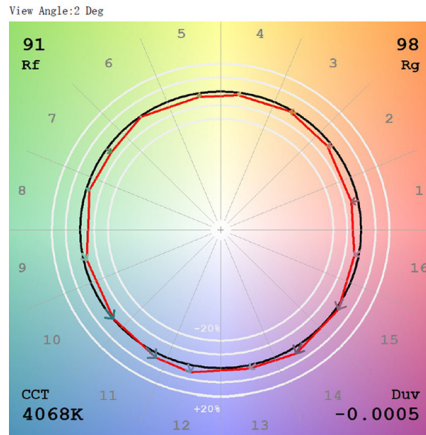
3000K (TruColor™ RGBTW)



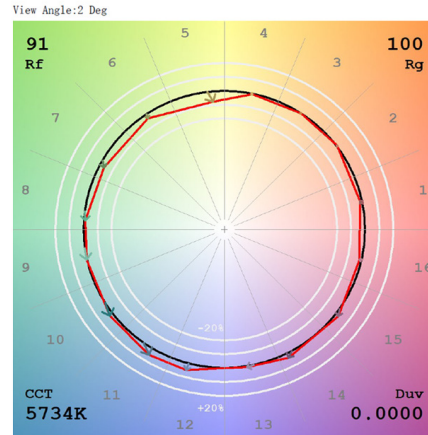
3500K (TruColor™ RGBTW)



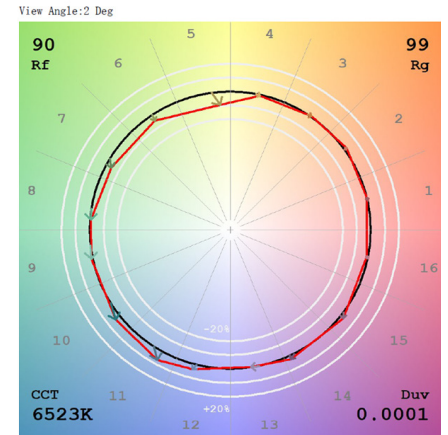
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT		FIXTURE TYPE		DATE	
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