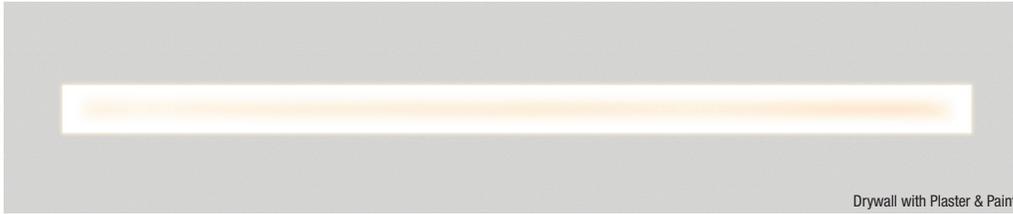


VEIL, TRUCOLOR™ RGB & TUNABLE WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

DESIGNED BY GREGORY KAY | MADE IN AMERICA

REV 10.16.25



Drywall with Plaster & Paint



Recesses into 5/8" Dry Wall

DESCRIPTION

Veil Ceiling/Wall with TruColor™ **RGBTW** technology is another original and innovative design that comes from the family of Plaster-in 24VDC systems pioneered by PureEdge that recesses within 5/8" drywall, with no framing modification required. The slim extrusions elegantly emit smooth, ambient illumination through the 3" opening, while the paintable backer plate creates a seamless aesthetic blending into the drywall. Veil Ceiling/Wall is sold in 1' increments up to 8'. The Veil luminaire with TruColor RGBTW light engine requires that it be powered with a remote Pure Smart power supply(sold separately) which allows for wireless control integrated hardwired approach or with the WiZ Pro software suite and Pure Smart Wi-Fi Room Controller(CWW-TW-SCENE-WH or CWR-TW-SCENE-WH sold separately). The Veil RGBTW utilizes our Pure Smart Unity Gateway with a logic controller and power supply for direct integration into a home automation system or wireless communication with WiZ Pro suite and Integral Bridgebox (PSBB-96W-WZ-TC5W5-RL sold separately). This plaster-in LED system brings together a Modern and Dynamic appearance to Residential and Commercial environments, offering unlimited creativity and empowering you to design One-of-a-kind spaces every time. Coordinate installation with electrical and drywall contractors. 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

ORDERING & INSTALLATION

Veil may be secured to studs spaced 13"-24" apart or between studs with provided mounting straps. Order in 1' increments up to 8', field-cuttable to any length. Requires Pure Smart Remote Power Supply (sold separately)

- 10 watts per foot (2 x 5WDC)
- 14 watts per foot (2 x 7WDC)

INCLUDED COMPONENTS

Junction Box, Adjustable Mounting Bars, Drywall Screws, Veil Channel(s), Lenses and Backer Plate.

APPLICATIONS

Indoor damp or dry locations only. Designed for any indoor space with drywall. Ideal applications in Residential, Commercial, Retail, and Hospitality environments.

COMPLIANCE

ETL, Class 2, RoHS, Damp Location, Made in USA.

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 97+ 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)
- Lumen Performance: 350lm/ft at 3000K 10W per foot
- Lumen Performance: 511lm/ft at 3000K 14W per foot

AVERAGE PERFORMANCE 2000K-5500K

- Average CRI (5W7): 97+
- Average DUV (5W7): +-0.0020
- Average R9: 91, Rg: 102, Rf: 93
- Average life: 50,000 hours

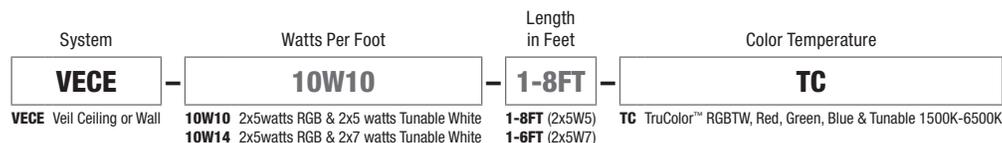
REMOTE POWER SUPPLIES, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring

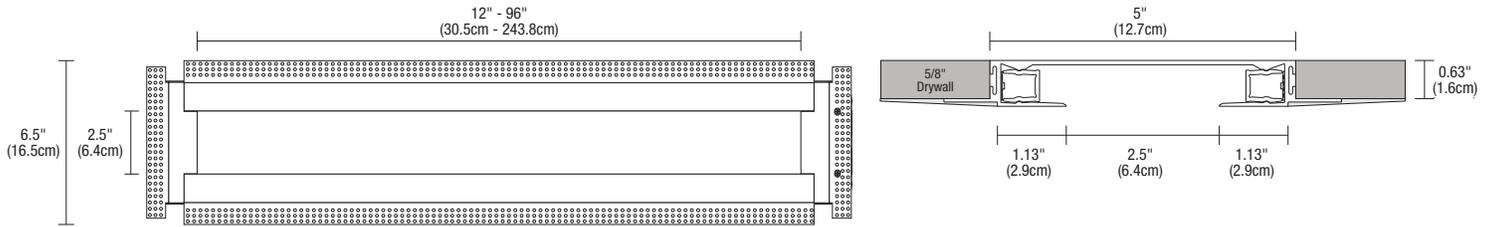
- [Home Integration Solutions](#)
- Pure Smart™ WiZ Pro [Power Supplies](#) & [Smart Controls](#)

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

PureEdge is the Original Designer of 5/8" Drywall Lighting Products with the Most Experience in the industry.



PROJECT		FIXTURE TYPE		DATE	
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NOMINAL DELIVERED LUMENS

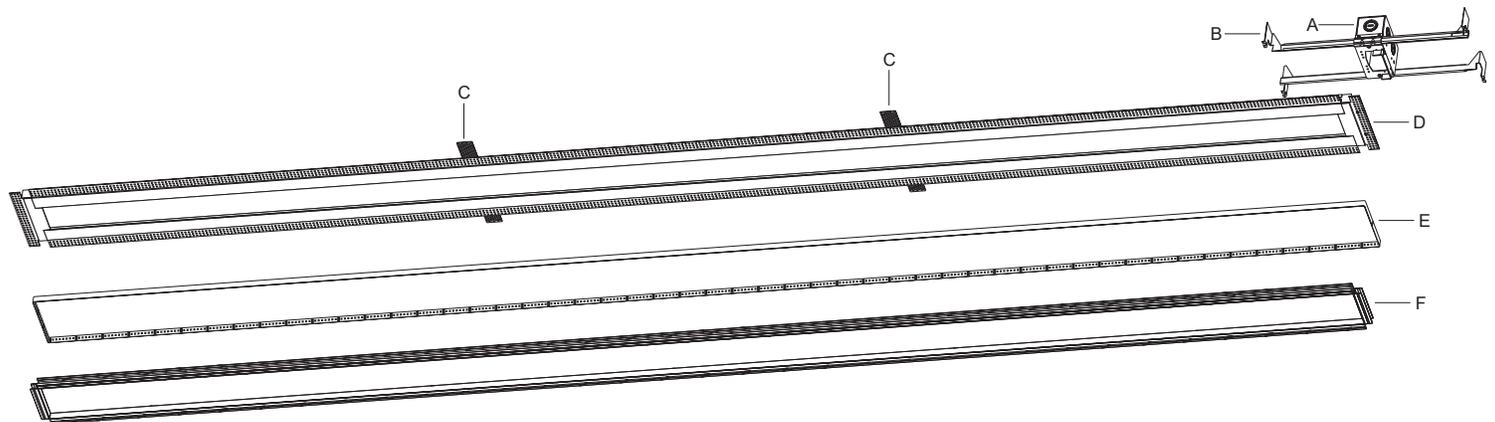
DESCRIPTION	5W5 5W RGB & 5W TUNABLE WHITE										5W7 5W RGB & 7W TUNABLE WHITE									
	5W Tunable White										7W Tunable White									
WATTS PER FOOT	5W Tunable White										7W Tunable White									
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K		
LUMENS PER FOOT (lm/ft)	166	249	302	339	350	370	399	280	258	205	342	439	499	511	538	527	310	281		
LUMENS PER WATT (lm/w)	31	27	35	40	41	42	47	48	54	31	44	36	42	42	44	45	45	47		
CRI	91.8	93.8	94.5	94.9	95.5	96.9	97.2	92.1	89.8	93	95	96	97	97	98	97	95	93		
Duv	-0.004	-0.0012	-0.0034	-0.0058	-0.0055	-0.0033	-0.0014	-0.0049	-0.0063	-0.0030	0.0002	0.0030	0.0030	0.0030	0.0009	0.0000	0.0030	0.0030		
Rf	91	93	94	94	95	94	94	92	90	92	93	95	95	95	95	94	92	91		
Rg	105	101	103	105	104	102	100	102	103	104	100	102	103	103	101	100	102	103		
R9	90	90	90	94	97	97	91	81	70	91	90	90	94	95	93	93	79	67		
R13	92	94	95	95	94	96	99	90	87	92	95	96	96	97	99	99	91	88		
R15	99	99	99	98	97	97	97	89	85	99	99	99	99	99	98	97	90	85		

LENGTH LOAD CHARTS: To determine the necessary wire gauge use our [Voltage Drop Calculator](#).

2 x 5W5	
LENGTH IN FEET	WATTS
1	10
2	19
3	29
4	38
5	48
6	58
7	67
8	77

2 x 5W7	
LENGTH IN FEET	WATTS
1	14
2	28
3	42
4	56
5	70
6	84

INCLUDED COMPONENTS



A. JUNCTION BOX

Mounts behind drywall with Adjustable Mounting Bars. Requires that 6 conductors be run from Pure Smart PSBB Remote Power Supply (sold separately) to junction box. Single Gang Junction Box opening is covered by the channel, and required at the beginning of each run.

B. ADJUSTABLE MOUNTING BARS

Provide flexibility for mounting in a variety of spaces. Veil Ceiling/Wall includes two sets of mounting hardware.

C. PERFORATED MOUNTING STRAP (MBAR)

Secures channel to drywall when wall stud is unavailable.

D. VEIL CHANNEL

5/8" deep extrusion houses a double row of LED Strip

E. LED STRIP

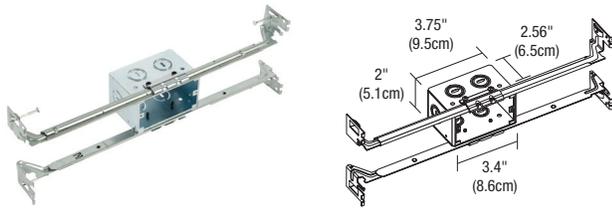
Your choice of LED Strip. See lamp data for additional details.

F. LENS

0.6" wide diffused lens projects a clean line of light without pixelation. Veil includes two lenses.

PROJECT		FIXTURE TYPE		DATE	
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REPLACEMENT COMPONENTS



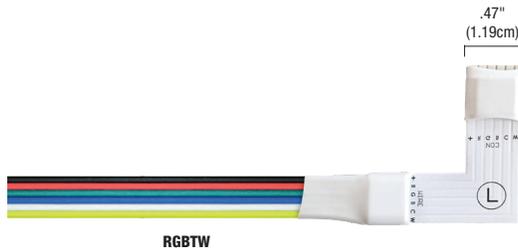
JUNCTION BOX ROUGH-IN COMPONENT

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

System	Size	Component
VG	1RE	JBOX
VG Verge	1RE 1" Rectangle	JBOX Junction Box

POWER FEED/FLEXIBLE CONNECTOR

Included with Center Feed Power components. Part numbers listed below to be used for replacements only. For use with Static White, Warm Dim, Tunable White, RGB and Monochromatic color temperatures. Flexible Connectors link two sections of LED Strip end to end. To use as a Power Feed cut off the male end, and connect to the Power Supply.



Product	Type	Component	Orientation	Size	Color Temperature Options
SS	FE	CON	LBL	6IN	RGBTW
SS Stomp Strip/ Soft Strip	FE Female Pins	CON Connector	LBL Flexible 90° Left LBR Flexible 90° Right	6IN 6 inches	RGBTW TruColor™ RGBTW (RGB + Tunable White 1500k-6500K)

REPLACEMENT COMPONENTS



PURE SMART/WIZ PRO UR BRIDGEBOX

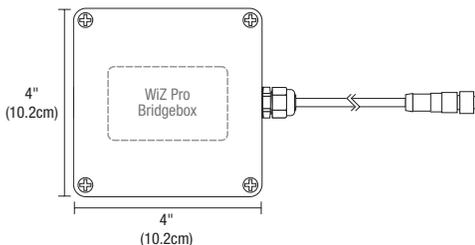
WIZ Pro UR Bridgebox is included with 4" Square Junction for TBar ceilings and allows for integration into the WiZ Pro wireless control ecosystem. The part numbers below are to be used for replacement only. Pure Smart/WiZ Pro UR Bridgeboxes are pre-programmed with Pure Smart app icons, and proprietary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

Product	Wattage	Color Temperature Options	System
BRBOX	UR96W	TC5W5	RL
BRBOX Bridgebox	UR96W 96 Watts	TC5W5 TruColor™ RGBTW 5 watts RGB & 5 watts Tunable White TC5W7 TruColor™ RGBTW 5 watts RGB & 7 watts Tunable White	RL Recessed Linear



PURE SMART WET LOCATION JUNCTION BOX WITH 8FT POWER CABLE AND WIZ PRO UR BRIDGEBOX

This watertight Junction Box is especially designed for lighting in wet and damp locations. The Junction Box comes standard with a 8ft of outdoor cable and both male and female barrel connectors providing easy, safe, and reliable connections for 24V low voltage luminaires. Included with the Junction Box is one WiZ Pro type Bridgebox allowing for 5 Channel wireless control of the TruColor RGBTW luminaire. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.



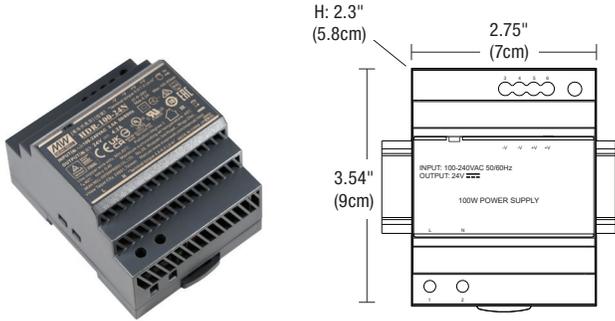
Product	Type	Wattage	Controls	Type	Option	System
BR	JBC	96W	WZ	TC5W5	W	FN
BR Bridgebox for LED Soft Strip and Flex Neon	JBC Outdoor Junction Box with two Barrel Connectors, 4 conductor input and 6 conductor output.	96W 96 Watts	WZ Wiz Connected Bridgebox Included	TC5W5 5 Watts RGB & 5 Watts Tunable White TC5W7 5 Watts RGB & 7 Watts Tunable White	W Wet Location	FN Flex Neon

PROJECT		FIXTURE TYPE		DATE	
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EXTRA COMPONENTS

DIN RAIL POWER SUPPLY

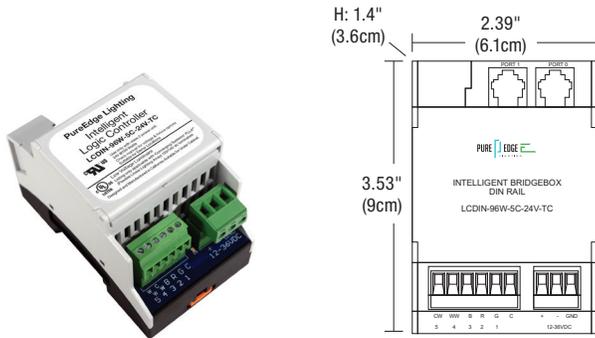
The HDR-100-24N is a compact 100W DIN Rail power supply. It's adapted to be installed on TS-35/7.5 or TS-35/15 mounting rails. Adopting the full voltage range of 85VAC-264VAC (operational 277VAC condition). The HDR-100-24N is designed with an insulated housing protecting from electrical shock hazards.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



Product	Wattage	Voltage
HDR	100	24N
HDR Din Rail Power Supply	100 100 Watts, 4 Amp Max	24N 24 Volts DC

INTELLIGENT LOGIC CONTROLLER DIN RAIL

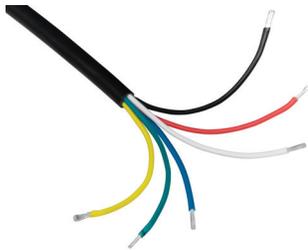
The Intelligent Logic Controller is a networkable solution for constant voltage 5-channel luminaires, offering precise CCT and vibrant color control through PureEdge's TruColor™ technology—surpassing traditional LED drivers and DMX controllers in performance and flexibility.



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

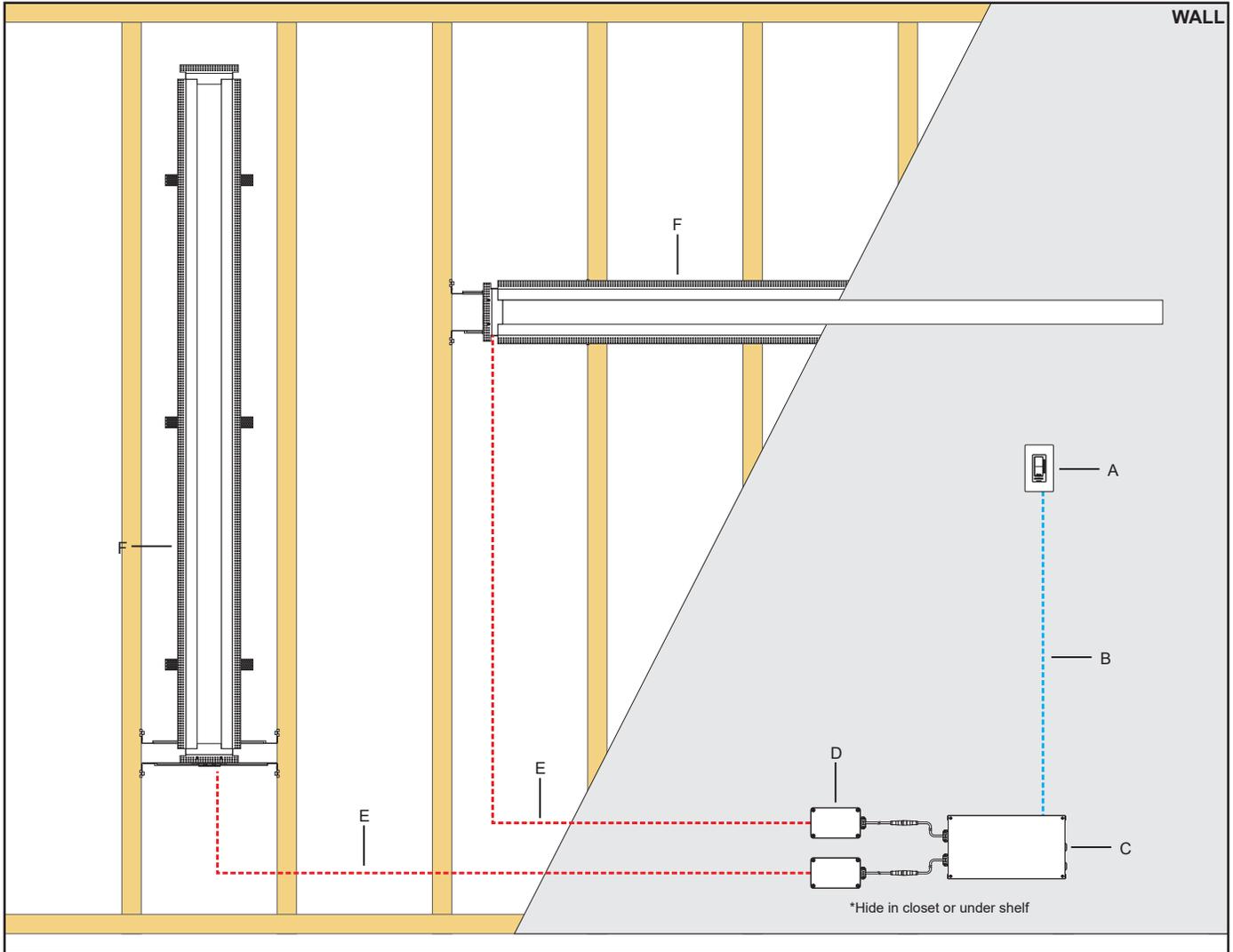
Our Wet Location, 6 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply.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



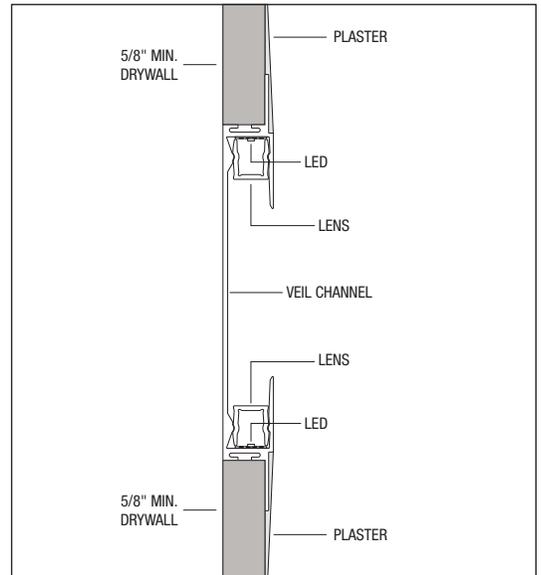
Product	Gauge	Cable
OC	14G	6C
OC Outdoor Cable	14G 14 Gauge	6C 6 Conductor

PROJECT	FIXTURE TYPE	DATE
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INSTALLATION



- A. PURE SMART WALL CONTROLLER
- B. 120VAC
- C. 120V-24V CLASS 2 POWER SUPPLY*
- D. PURE SMART WIZ CONTROLLED BRIDGEBOX*
- E. 6 CONDUCTOR CABLE TO JUNCTION BOX
- F. VEIL

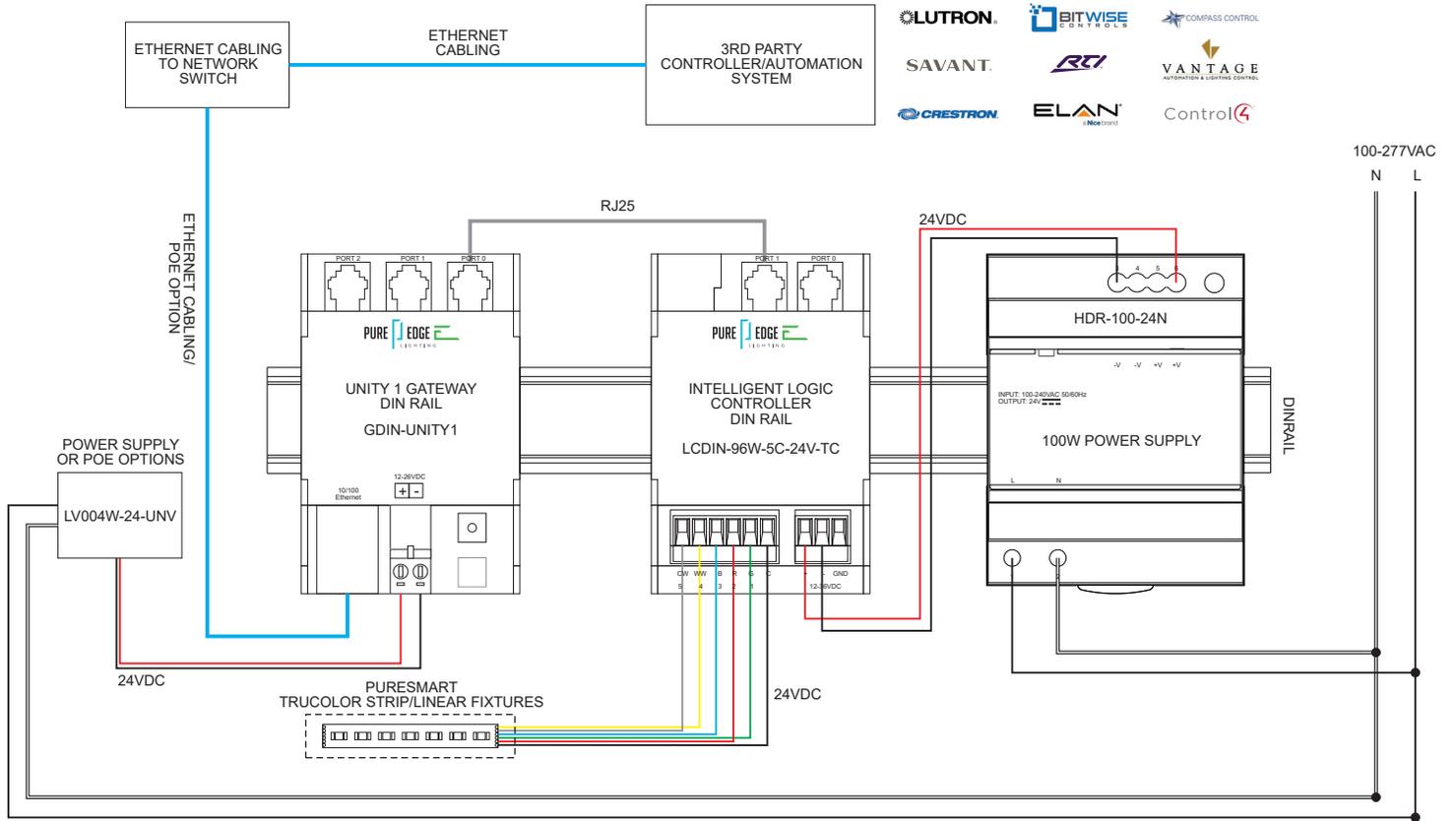


PROJECT	FIXTURE TYPE	DATE

VEIL, TRUCOLOR™ RGB & TUNABLE WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

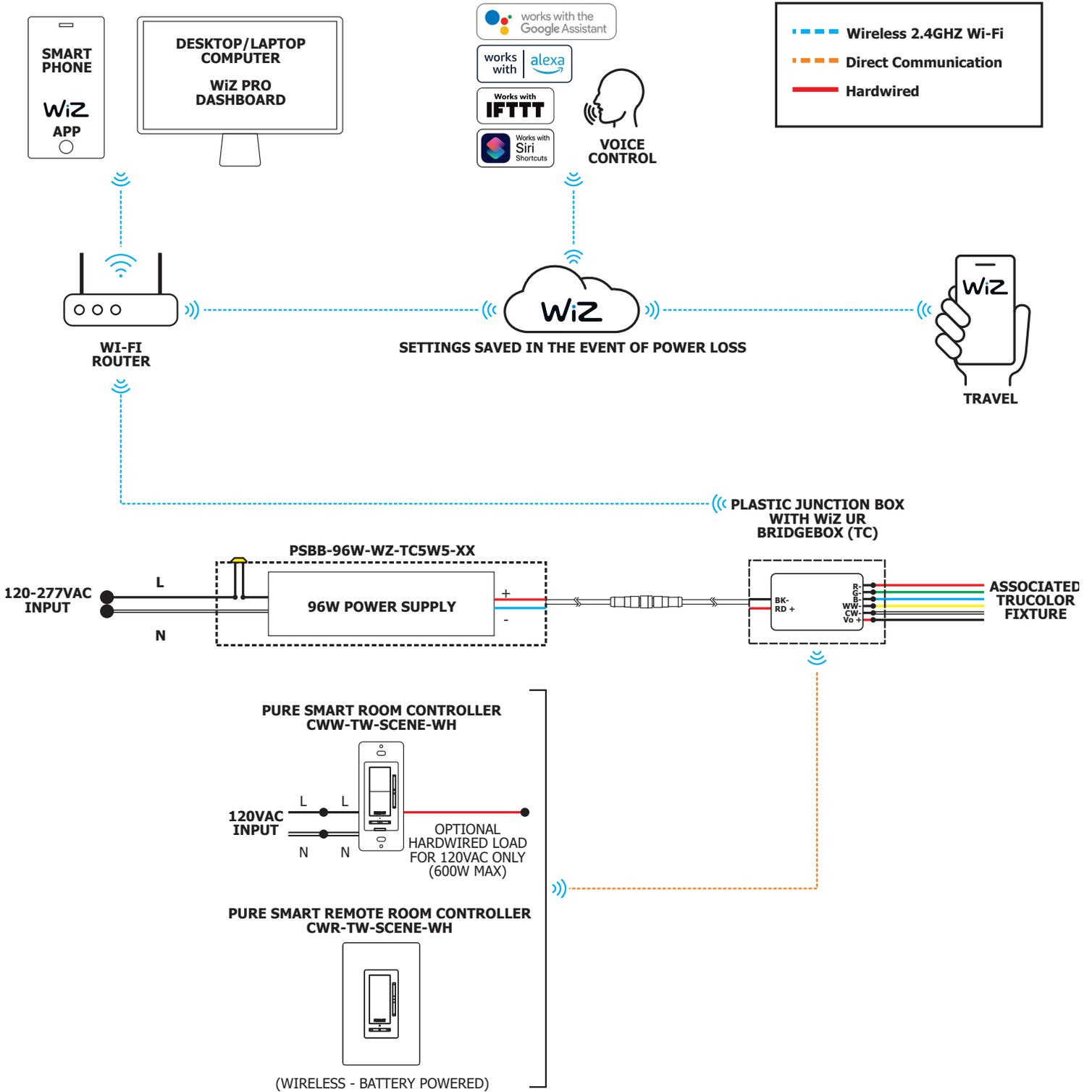
WIRING DIAGRAM



PROJECT	FIXTURE TYPE	DATE
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VEIL, TRUCOLOR™ RGB & TUNABLE WHITE

24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM



PROJECT		FIXTURE TYPE		DATE	
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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

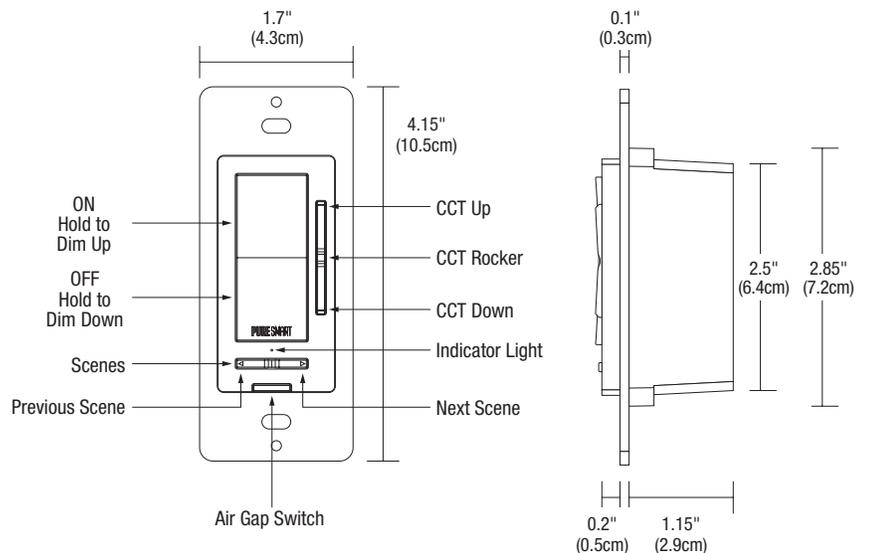
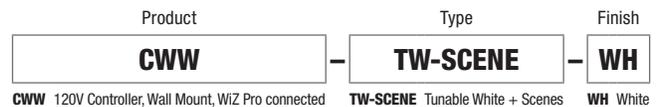
The Room Controller is added as an accessory in the WiZ app (Available on iOS or Android) and communicates directly to the WiZ enabled light fixture via direct wi-fi signal on Local Area Network (LAN). Voice control enabled when used in conjunction with Google Assistant, Siri, Alexa, IFTTT, and SmartThings.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



PROJECT	FIXTURE TYPE	DATE
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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

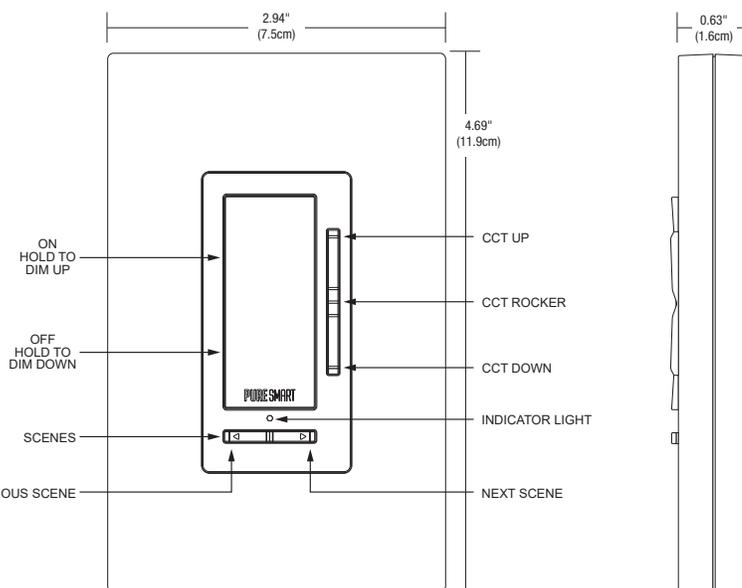
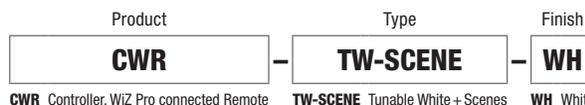
Durable polycarbonate body.

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



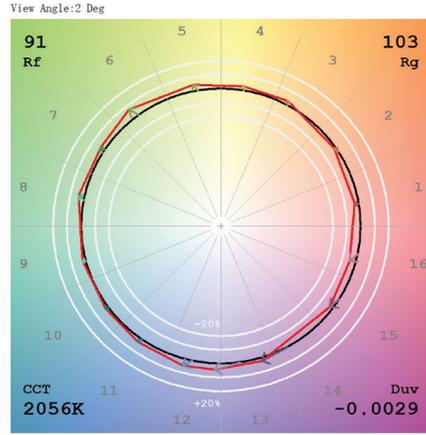
PROJECT	FIXTURE TYPE	DATE
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TM30 DATA

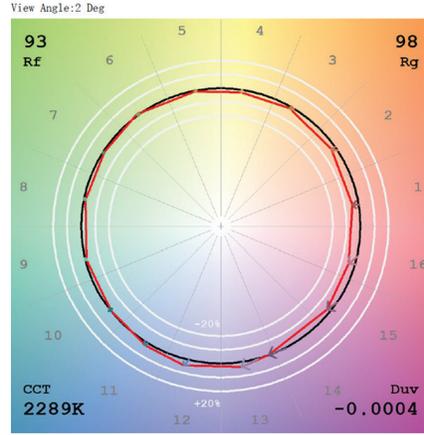
24VDC, 5/8" DRYWALL PLASTER-IN LED SYSTEM

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.

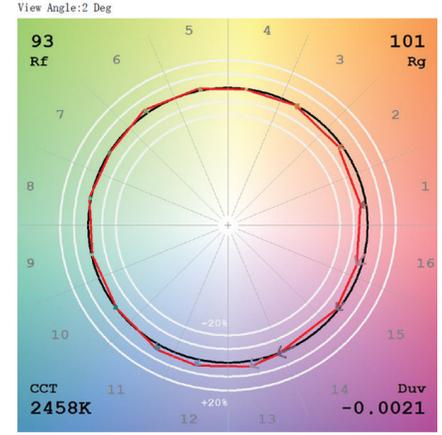
2000K (TruColor™ RGBTW)



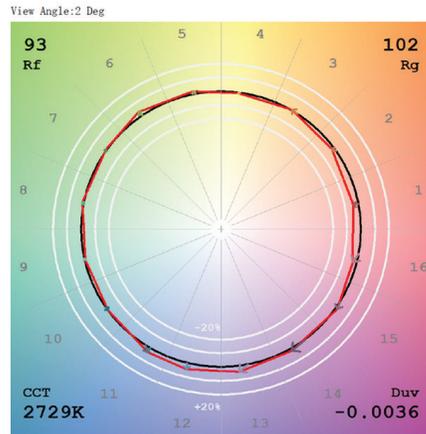
2200K (TruColor™ RGBTW)



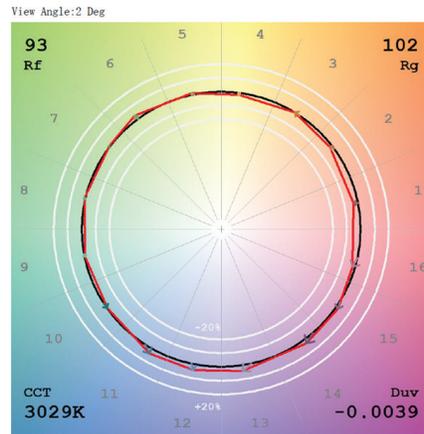
2400K (TruColor™ RGBTW)



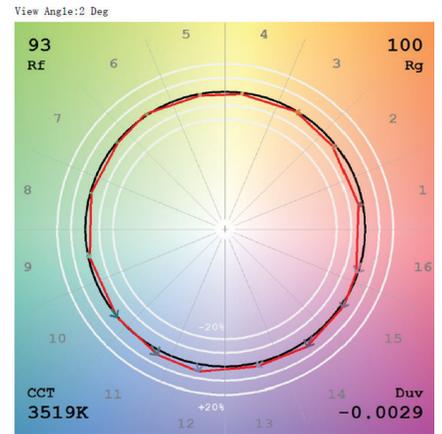
2700K (TruColor™ RGBTW)



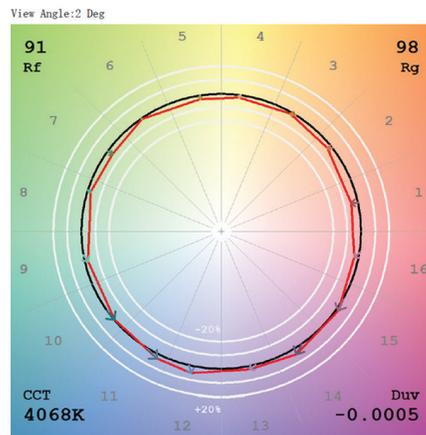
3000K (TruColor™ RGBTW)



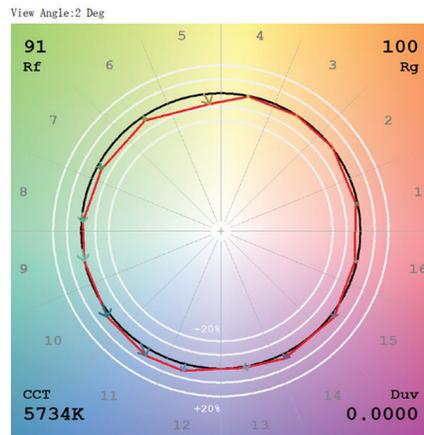
3500K (TruColor™ RGBTW)



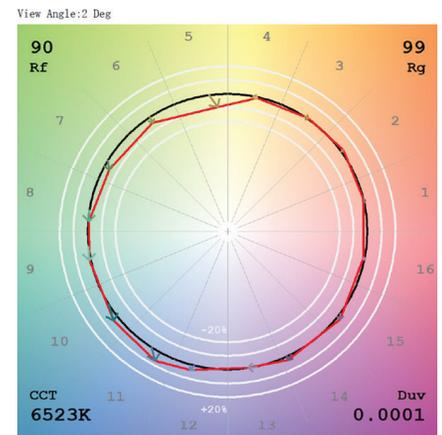
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT		FIXTURE TYPE		DATE	
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