REVEAL WALL WASH 2 TRUCOLOR™ RGBTW

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

DESIGNED BY GREGORY KAY | MADE IN AMERICA | PATENT PENDING

REV 07.31.25

Drywall | Drywall with Plaster & Paint

Recesses into 5/8" Dry Wall

DESCRIPTION

Our new generation of the Reveal System, now with TruColor™ RGBTW, washes the wall from the very top of the ceiling highlighting the wall with continuous illumination. Simply mount the slim profile plaster-in extrusions within 5/8" or thicker drywall, 24" from the projected wall. The system is sold in 1' increments up to 20' and can be cut in the field. Continuing to redefine the relationship between lighting and interior design, Reveal Wall Wash invokes dramatic yet refined illumination by highlighting art and architectural features in the most minimal way possible. The Reveal Wall Wash with TruColor™ RGBTW light engine requires Pure Smart™ controls for operation. Reveal Wall Wash is offered in multiple wattages and color temperatures. Click here for all Other 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 Wall Wash 2 is an ideal wall washing solution for contemporary spaces. Multiple runs of channel mount seamlessly together and may wrap inside corners to wash surrounding walls with uniform controlled illumination.

SPECIFICATIONS

- 5W5: 5W RGB & 5W Tunable White, 5 watts per foot maximum
- 5W7: 5W RGB & 7W Tunable White, 7 watts per foot maximum
- 5W10: 5W RGB & 10W Tunable White, 10 watts per foot maximum

INCLUDED COMPONENTS*

Junction Box, Adjustable Mounting Bars, Reveal Wall Wash Channel(s), Power Feed End Cap, Junction Box Cover, Dead End Cap, Take-Up Box, Drywall Screws, LED Soft Strip, and Lens.

*Order PSBB Remote Power Supply separately

MAXIMUM LENGTHS BEFORE RE-FEEDING

- 5W5 – Pure Smart™ WiZ Pro: 20 ft
- 5W7 – Pure Smart™ WiZ Pro: 12 ft
- 5W10 – Pure Smart™ WiZ Pro: 10 ft

FINISHES

Satin Aluminum **SA**

White **WH**

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 +-.0040 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.

LUMEN PERFORMANCE

- TruColor™ **RGBTW** Red, Green, and Blue with Tunable White (**1500K-6500K**)
- 5W5 196lm/ft 5W @3000K
- 5W7 286lm/ft 7W @3000K
- 5W10 338lm/ft 10W @3000K

AVERAGE PERFORMANCE 2000K-5500K

- Average CRI: 94+
- Average DUV: +-0.0040
- Average R9: 88, 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

APPLICATIONS

Designed for any indoor space with drywall construction, including damp locations. Ideal applications in residential, commercial, retail, and hospitality environments as well as general human-centric lighting.

COMPLIANCE

ETL Listed, Class 2, Damp Location, Assembled in USA.

System		Watts Per Foot		Length in Feet		Color Temperature		Reflector Finish
RVWW2	–	5W7	–	10FT	–	TC	–	SA
RVWW2 Reveal Wall Wash 2		**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 Pure Smart WiZ Pro (5W5) 1-12ft Pure Smart WiZ Pro (5W7) 1-10ft Pure Smart WiZ Pro (5W10)		**TC** TruColor™ RGBTW Red, Green, Blue, and Tunable White 1500K-6500K		**SA** Satin Aluminum **WH** White

PROJECT		FIXTURE TYPE		DATE	

REVEAL WALL WASH 2 TRUCOLOR™ RGBTW

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

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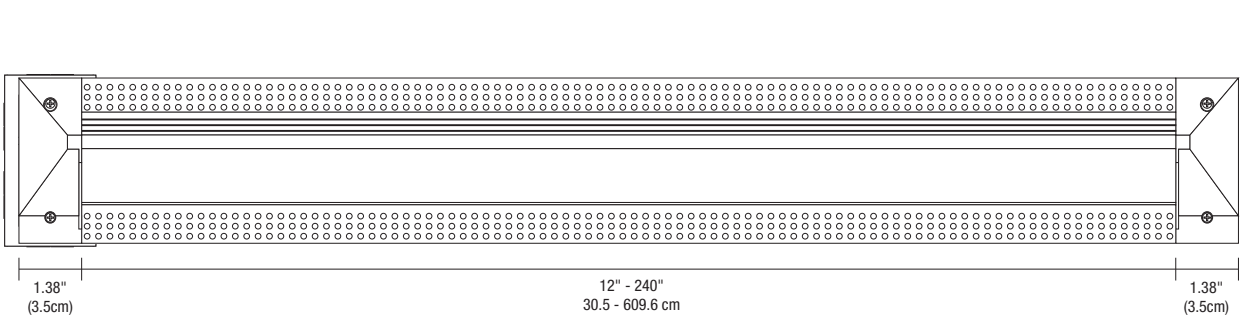
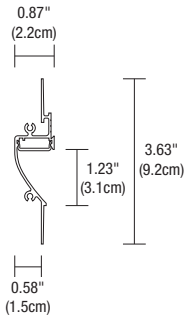
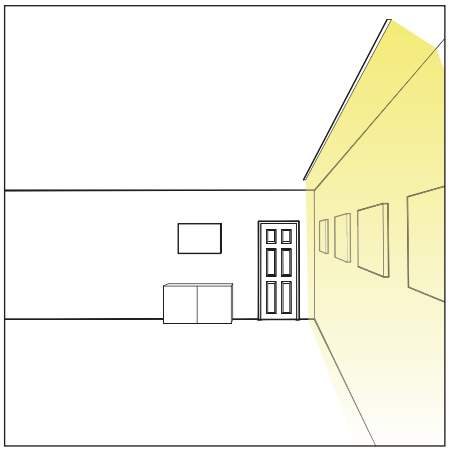




WALL WASH FOOT CANDLE DISTRIBUTION
SHOWN WITH 5W7, 3000K CHANNEL AND DIFFUSED LENS MOUNTED 24" FROM WALL

	1'	2.5'	4'	5.5'	7
1"	35	35	37	35	35
3"	62	62	72	62	62
6"	78	94	97	94	78
1'	84	95	97	95	84
18"	79	88	88	88	79
2'	69	78	78	78	69
3'	53	61	62	61	53
4'	43	50	48	50	43
5'	35	40	41	40	35
6'	28	32	32	32	28
7'	24	26	27	26	24
8'	19	21	22	21	19

WALL WASH DIRECTION OF LIGHT
SHOWN WITH 5W7, 3000K VERSION



NOMINAL DELIVERED LUMENS

DESCRIPTION	**5W5 5W RGB & 5W TUNABLE WHITE**									**5W7 5W RGB & 7W TUNABLE WHITE**										**5W10 5W RGB & 10W TUNABLE WHITE**									
WATTS PER FOOT	**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)	93	139	169	190	196	207	223	157	144	115	191	246	279	286	301	295	173	157		122	195	262	308	338	363	353	199	180	
LUMENS PER WATT (lm/w)	34	31	39	45	46	48	53	53	60	34	50	40	47	47	49	51	50	52		35	24	33	40	43	47	43	54	62	
CRI	91.8	93.8	94.5	94.9	95.5	96.9	97.2	92.1	89.8	93.0	95.0	96.0	97.0	97.0	98.0	97.0	95.0	92.7		92.7	94.5	95.7	96.5	97.4	98.1	97.0	93.6	91.6	
Duv	-0.0040	-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		-0.0028	-0.0005	-0.0022	-0.0035	-0.0030	-0.0011	-0.0001	-0.0038	-0.0048	
Rf	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	
Rg	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	
R9	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	
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	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	

PROJECT		FIXTURE TYPE		DATE	

REVEAL WALL WASH 2 TRUCOLOR™ RGBTW

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

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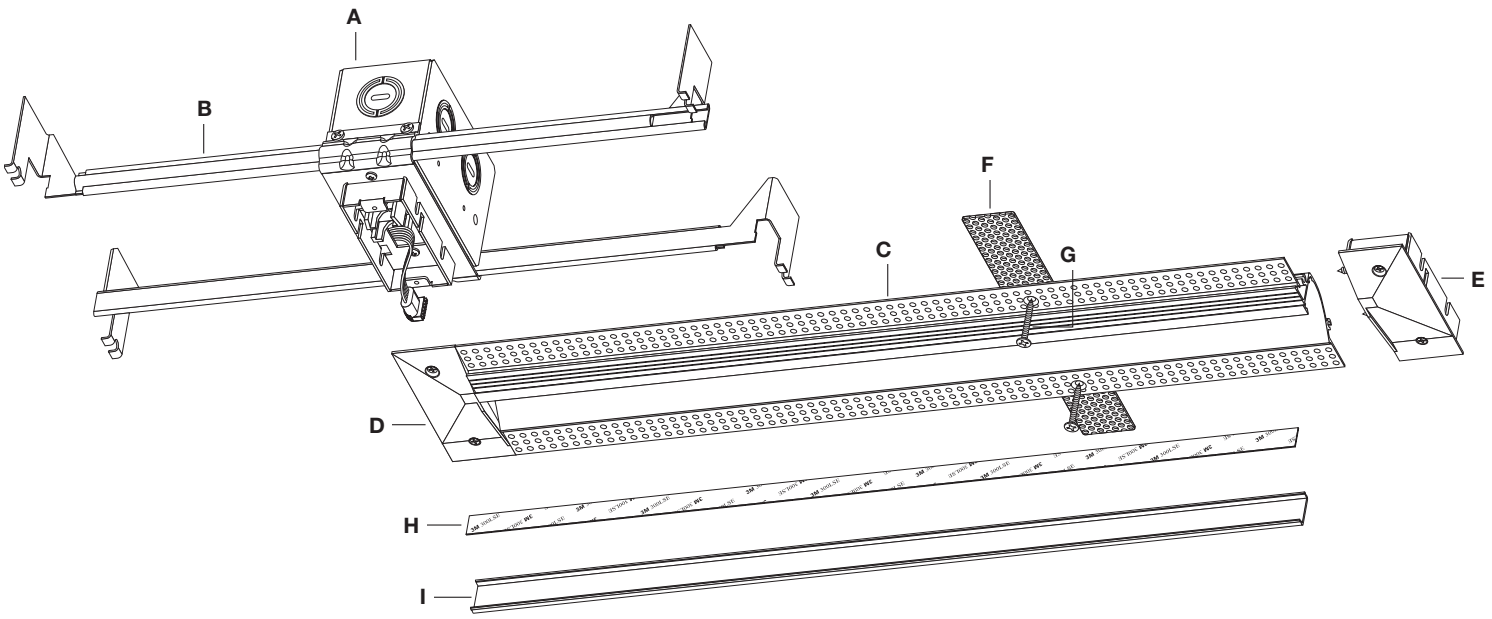
INCLUDED COMPONENTS



A. JUNCTION BOX
Mounts behind drywall with Adjustable Mounting Bars. Requires that 6 conductors be run from Pure Smart 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 and orientations. May be secured to rafters or joists that are spaced 13"-24" apart.

C. REVEAL WALL WASH CHANNEL
5/8" deep extrusion houses a single row of commercial-grade White or Dynamic Color Changing LED Strip.

D. POWER FEED END CAP WITH COVER
Provides a finished look and prevents light leak at feed-end of run.

E. TAKE UP BOX
Prevents dark spots at end of run by tucking excess LED Strip safely behind wall.

F. MOUNTING STRAP
For use when channel is between studs

G. DRYWALL SCREWS
Secure channel to drywall and stud.

H. LED STRIP
(Back Side shown) Your selection of LED Strip CCT.

I. LENS
0.74" wide diffuser lens projects a clean line of light without LED pixelation.

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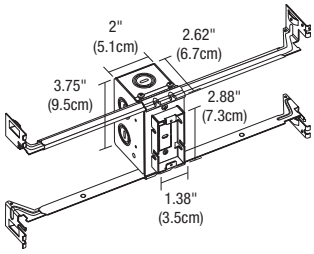
EXTRA COMPONENTS

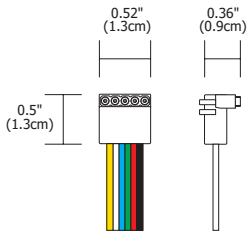


JUNCTION BOX ROUGH-IN COMPONENT

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



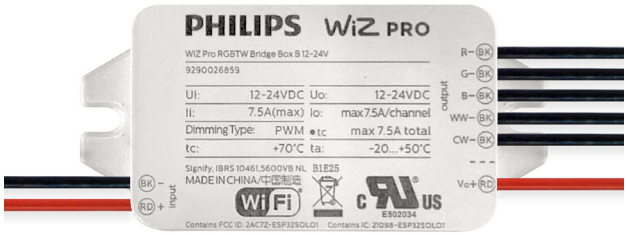
RGBTW B90 Connector

B90 CONNECTORS

B90 Connectors are supplied with complete fixture ordering code. The ordering code below is to be used for replacements only.

System		Type		Component		Color Temperature Options
LC	–	PFE	–	B90	–	RGBTW

LC LED Connector
PFE Power Feed
B90 Bends 90°
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

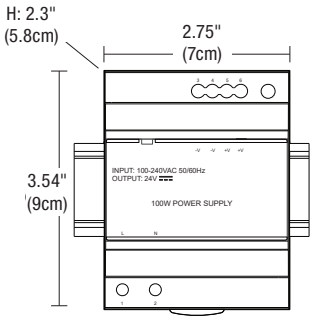
WIZ Pro UR Bridgebox is included with 4" Square Junction for TBar ceilings and allows for integration into the WiZ Pro wireless control ecosystem. The part numbers below are to be used for replacement only. Pure Smart/WiZ Pro UR Bridgeboxes are pre-programmed with Pure Smart app icons, and proprietary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

Type		Wattage		Color Temperature Options		System
BRBOX	–	UR96W	–	TC5W5	–	RL

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
RL Recessed

PROJECT		FIXTURE TYPE		DATE	

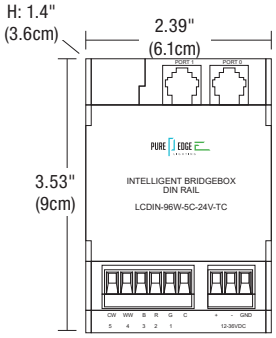
EXTRA COMPONENTS



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.

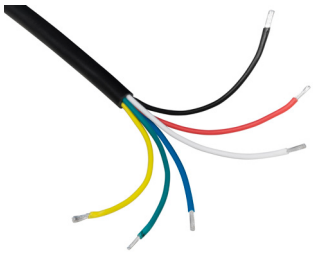
Product	Wattage	Voltage
HDR	100	24N
HDR Din Rail Power Supply	**100** 100 Watts, 4 Amp Max	**24N** 24 Volts DC



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

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REVEAL WALL WASH 2 TRUCOLOR™ RGBTW

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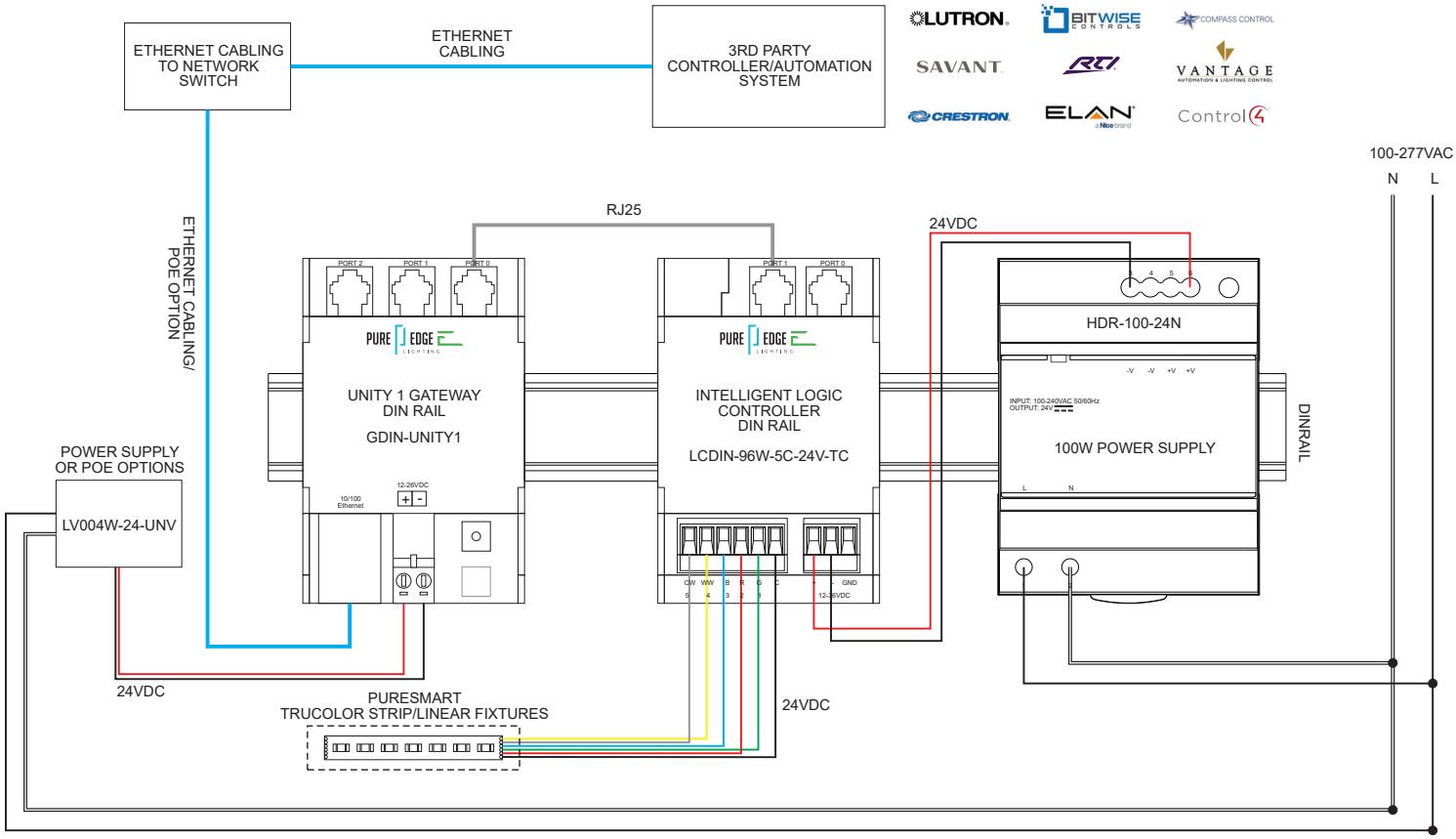
WIRING DIAGRAM



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REVEAL WALL WASH 2 TRUCOLOR™ RGBTW

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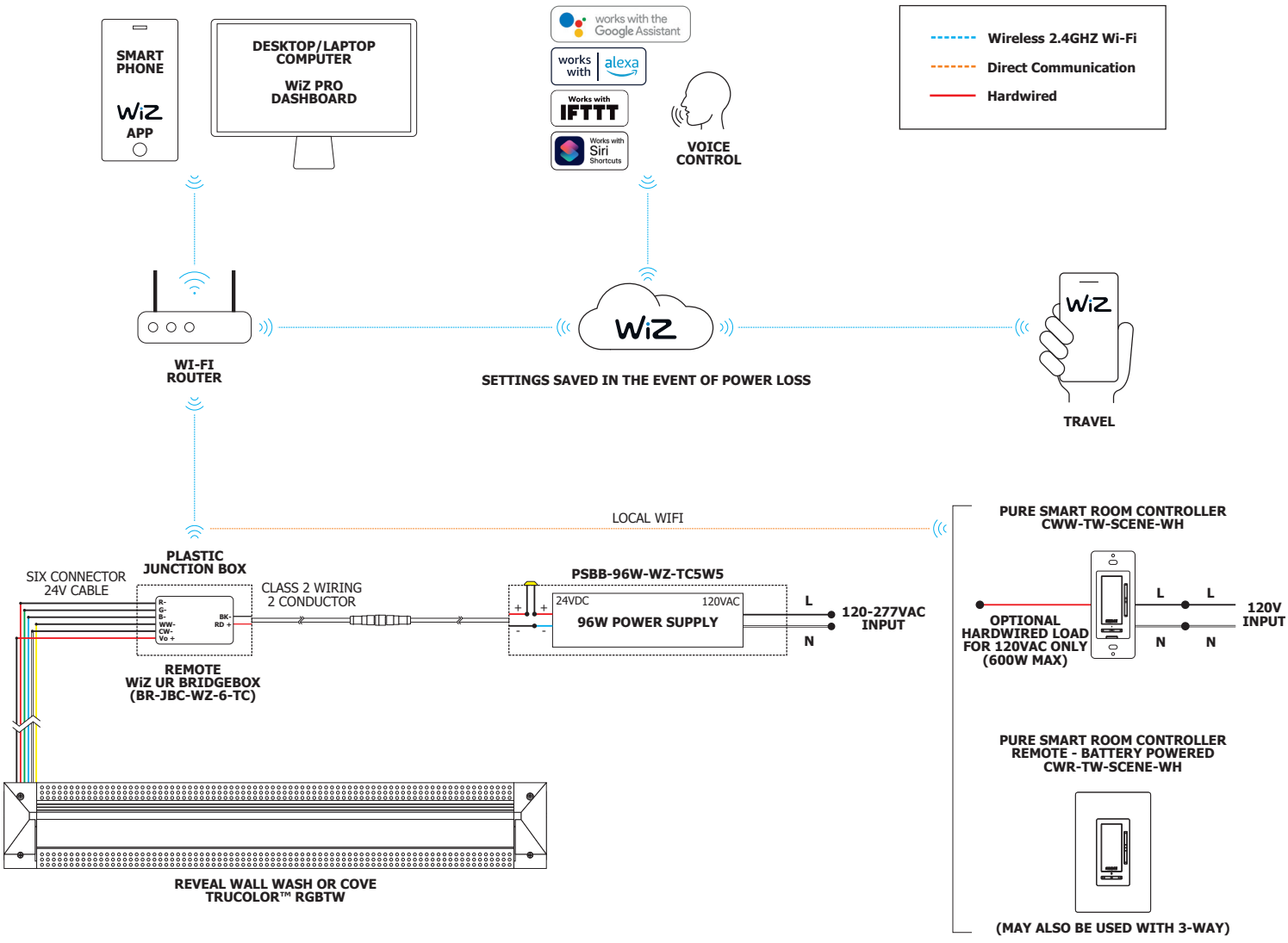
NETWORK TOPOLOGY & WIRING DIAGRAM



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REVEAL WALL WASH 2 TRUCOLOR™ RGBTW

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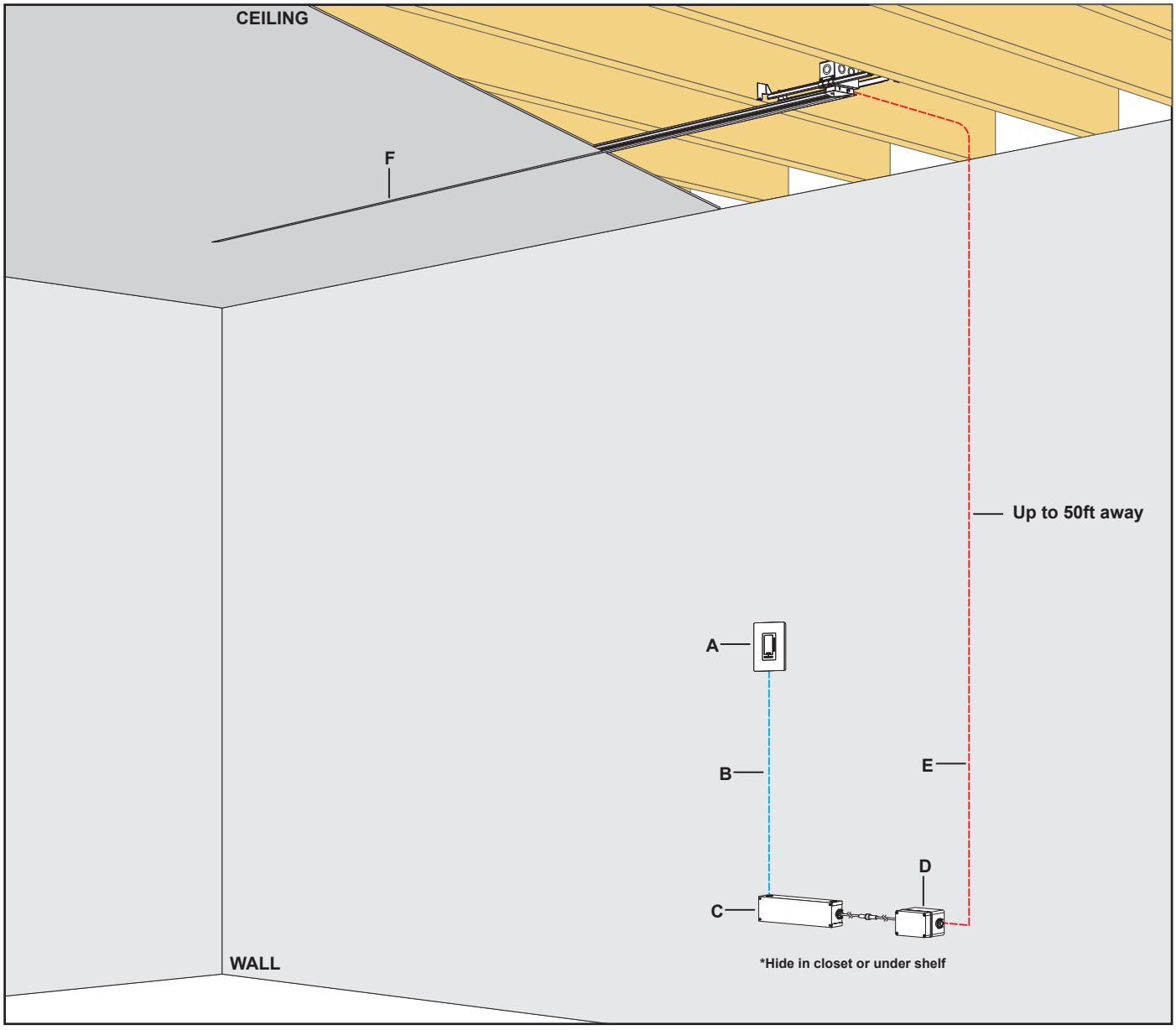
INSTALLATION



A. PURE SMART WALL CONTROLLER

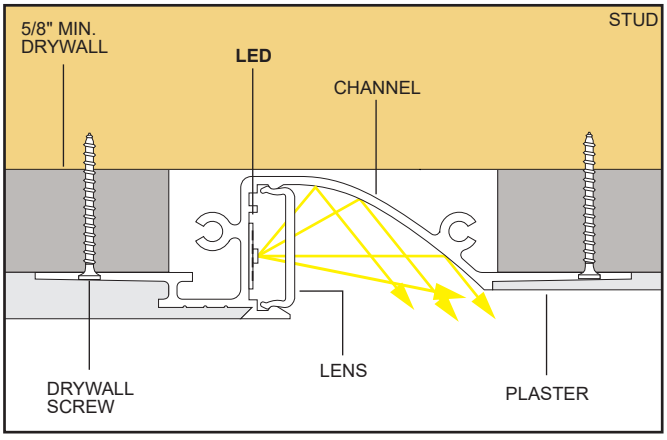
B. 120V

C. 120V-24V CLASS 2 POWER SUPPLY

D. PURE SMART WIZ CONTROLLED BRIDGE BOX

E. 6 CONDUCTOR CABLE TO JUNCTION BOX

F. REVEAL WALL WASH



DIRECTION OF LIGHT

PROJECT		FIXTURE TYPE		DATE	

TM30 DATA

24VDC 5/8” DRYWALL PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL

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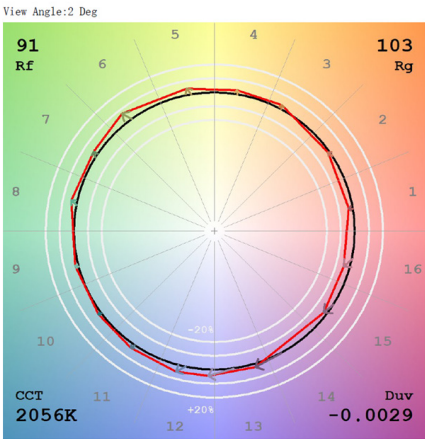
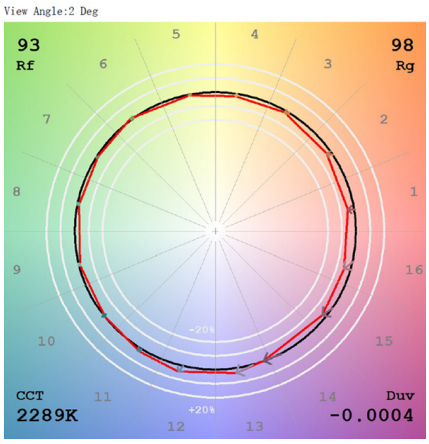
TM-30-15 DATA: The data below is for TruColor™ RGBTW (S5W7) bare LED Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

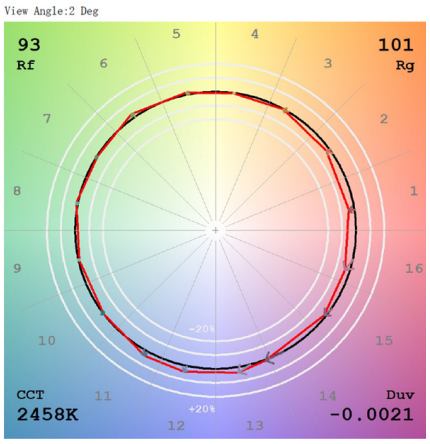
2000K (TruColor™ RGBTW)



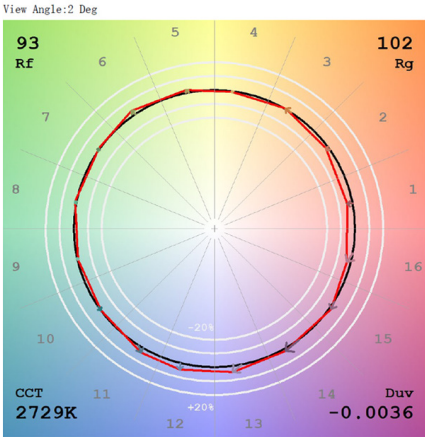
2200K (TruColor™ RGBTW)



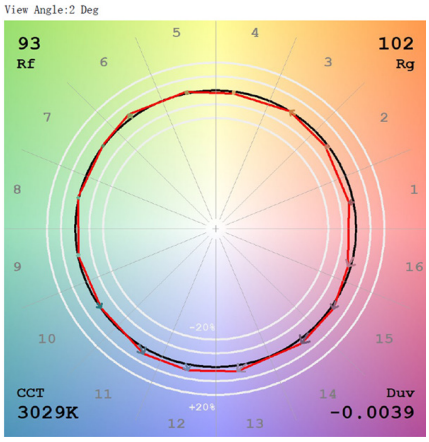
2400K (TruColor™ RGBTW)



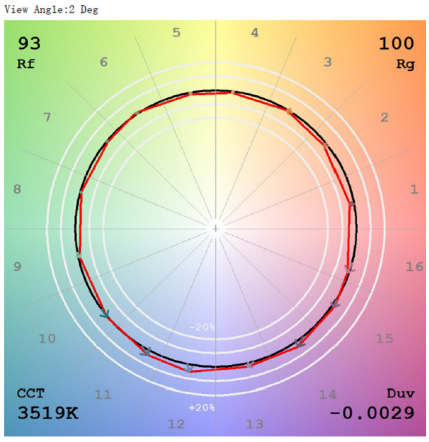
2700K (TruColor™ RGBTW)



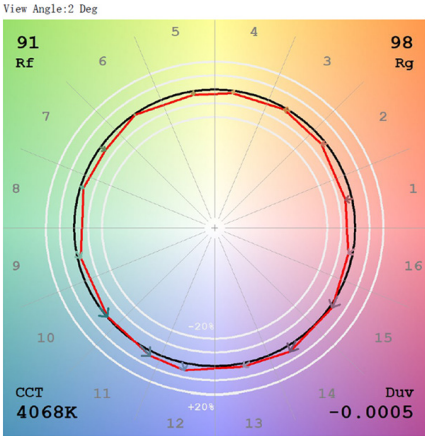
3000K (TruColor™ RGBTW)



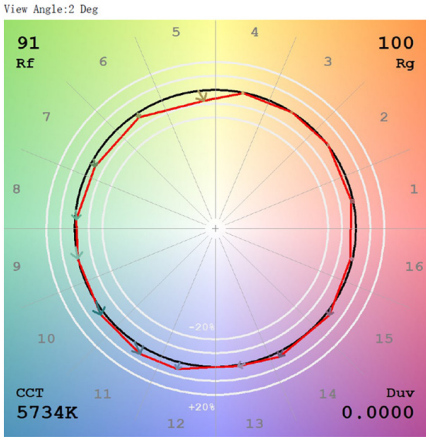
3500K (TruColor™ RGBTW)



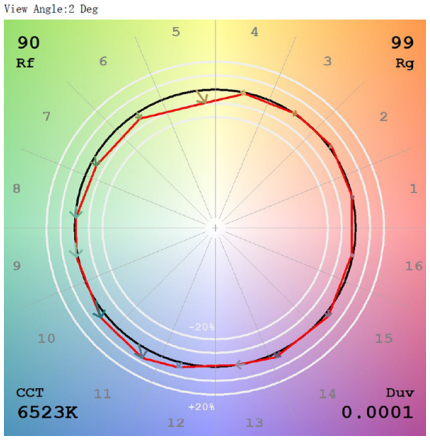
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT		FIXTURE TYPE		DATE	