TRUCIRQUE 1 DIGITAL TRUCOLOR™ RGB & TUNABLE WHITE

24VDC 5/8" DRYWALL PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL EVERY 4 INCHES

PROJECT

FIXTURE TYPE

DATE

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA | PATENTED

REV 09.16.26



PureEdge is the Original Designer of 5/8" Drywall Lighting Systems

DESCRIPTION

PureEdge lighting, the pioneer of 5/8" drywall systems, now brings you TruCirque. This product brings the same ease of installation to a pristine circle of illumination. Redefining the relationship between lighting and interior design, the innovative and highly efficient system blends seamlessly into the drywall, becoming part of the architecture. Simply specify the diameter of the circle that you'd like to create. The flex channel that is supplied can be field adjusted if need be. Lens and LED strips are field cuttable. RGBTW TruCirque is supplied with a Pure Smart/WiZ Pro CV Bridgebox in the Power Feed. 4 gang junction box is used to house the CV Bridgebox. Intended for use with PSB-100W-24VDC-DRGBTW Remote Power Supply (Sold Separately). No Hub Required. WiZ App, WiZ Pro Dashboard and Pure Smart Room Controller all allow for dimming, CCT selection, grouping, scheduling, preset and custom scene creation, voice control with integration of Amazon Alexa, Google Assistant, Siri Shortcuts, IFTTT, and SmartThings. Includes a 5-year pro-rated warranty. For custom quotes and layout assistance, email our design team: design@PureEdgeLighting.com.

INCLUDED COMPONENTS

TruCirque 1" wide Channel(s), Power Channel Connector(s) with Deep Junction Box, Channel Joiners, Mounting Straps, Drywall Screws, LED Strip, and Diffused White Lens

LUMEN PERFORMANCE

- Digital TruColor™ **DRGBTW** Red, Green, and Blue with Tunable White (**1500K-6500K**) and chasing effects
- 5W 170 lm/ft @3000K, 7W 235 lm/ft @3000K

AVERAGE PERFORMANCE 2200K-5500K

- Average CRI (5W): 96+
- Average DUV (5W): +-0.0020
- Average R9: 84, Rg: 102, Rf: 93
- Average Life: 50,000 hours

TRUCOLOR™ RGB & TUNABLE WHITE TECHNOLOGY

Pure Smart™ **Digital TruColor™** technology uses five channels of tunable LEDs, composed of **DRGBTW** 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. **Digital TruColor™** LED's achieve an average CRI-Color Rendering Index of 97+ and a Duv of +-.0030 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 **DRGBTW** the ideal choice for residential and commercial applications. **Digital TruColor™ DRGBTW** adds more than just decorative flexibility; it also helps to support a healthy Circadian Rhythm and well-being. Let **Digital TruColor™** transform your space and the people within it. **Digital TruColor™ DRGBTW** is optimized for control with WiZ Pro Wi-Fi based smart control system.

REMOTE POWER SUPPLIES, DIMMERS & CONTROLS (SOLD SEPARATELY)

24VDC, Class 2 wiring Intended for use with PSBR-96W-24VDC

- PSB-DRGBTW-INT
- PSB-100W-DRGBTW-24VDC
- Color Touch Panel
- Pure Smart Room Controller 120V Wall Control
- Pure Smart Room Controller Battery

APPLICATIONS

Designed for use in any drywall/gypsum board application, including damp locations. Ideal applications in residential, commercial, retail, and hospitality environments.

COMPLIANCE

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

System	Watts Per Foot	Diameter in Feet	Color Temperature
TCIR1	5W	9FT	DRGBTW

TCIR1 TruCirque 1"

5W 5 watts RGB, 5 watts Tunable White
7W 5 watts RGB, 7 watts Tunable White

2FT **2.5FT** **3FT** **4FT** **5FT** **6FT*** **7FT** **8FT** **9FT** **10FT** **11FT** **12FT*** **13FT** **14FT** **15FT** **16FT** **17FT** **18FT**

*Maximum length before re-feeding.

DRGBTW Digital TruColor RGBTW Red, Green, Blue, and Tunable White 1500K-6500K and chasing effects

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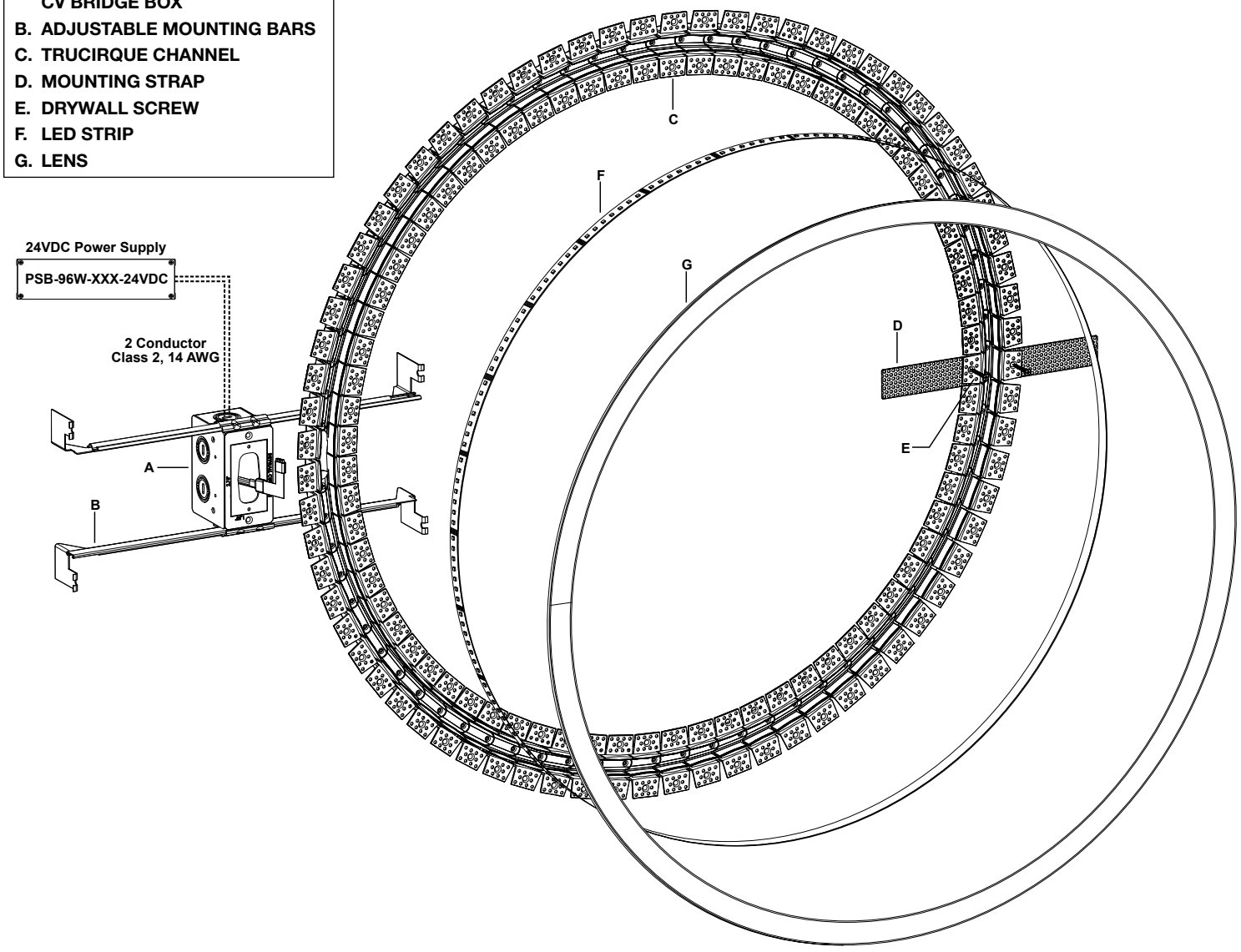
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NOMINAL DELIVERED LUMENS - TRUCIRQUE 1

DESCRIPTION	DRGBTW																	
WATTS PER FOOT	5W									7W								
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)	86	104	108	131	170	177	128	129	134	98	148	161	198	235	236	173	184	191
LUMENS PER WATT (lm/w)	21	25	27	31	35	36	34	35	34	22	26	28	32	34	35	34	35	34
CRI	90+	91+	92+	93+	94+	95+	95+	91+	90+	90+	92+	92+	94+	94+	95+	96+	92+	91+
Duv	0.003	0.0013	0.0006	0.0004	0.0005	0.0006	0.0005	0.0022	0.003	0.0027	0.0005	0.0004	0.0006	0.0005	0.0001	0.0002	0.0016	0.0026
Rf	89	90	90	91	91	91	90	89	87	90	90	91	92	92	92	92	90	89
Rg	103	101	99	100	100	99	98	98	98	103	100	100	101	100	100	99	99	98
R9	91	91	92	93	95	95	95	94	93	91	92	93	94	94	95	96	93	94
R13	89	91	91	92	93	94	95	93	91	90	91	92	93	94	95	96	94	92
R15	98	98	98	98	97	97	95	93	90	98	99	98	98	98	97	96	94	91
WATTS/FOOT	4	4.2	4	4.2	4.9	4.9	3.8	3.7	3.9	4.6	5.7	5.7	6.3	6.9	6.6	5.1	5.2	5.6

INCLUDED COMPONENTS

- A. 4 GANG JUNCTION BOX WITH CV BRIDGE BOX
- B. ADJUSTABLE MOUNTING BARS
- C. TRUCIRQUE CHANNEL
- D. MOUNTING STRAP
- E. DRYWALL SCREW
- F. LED STRIP
- G. LENS



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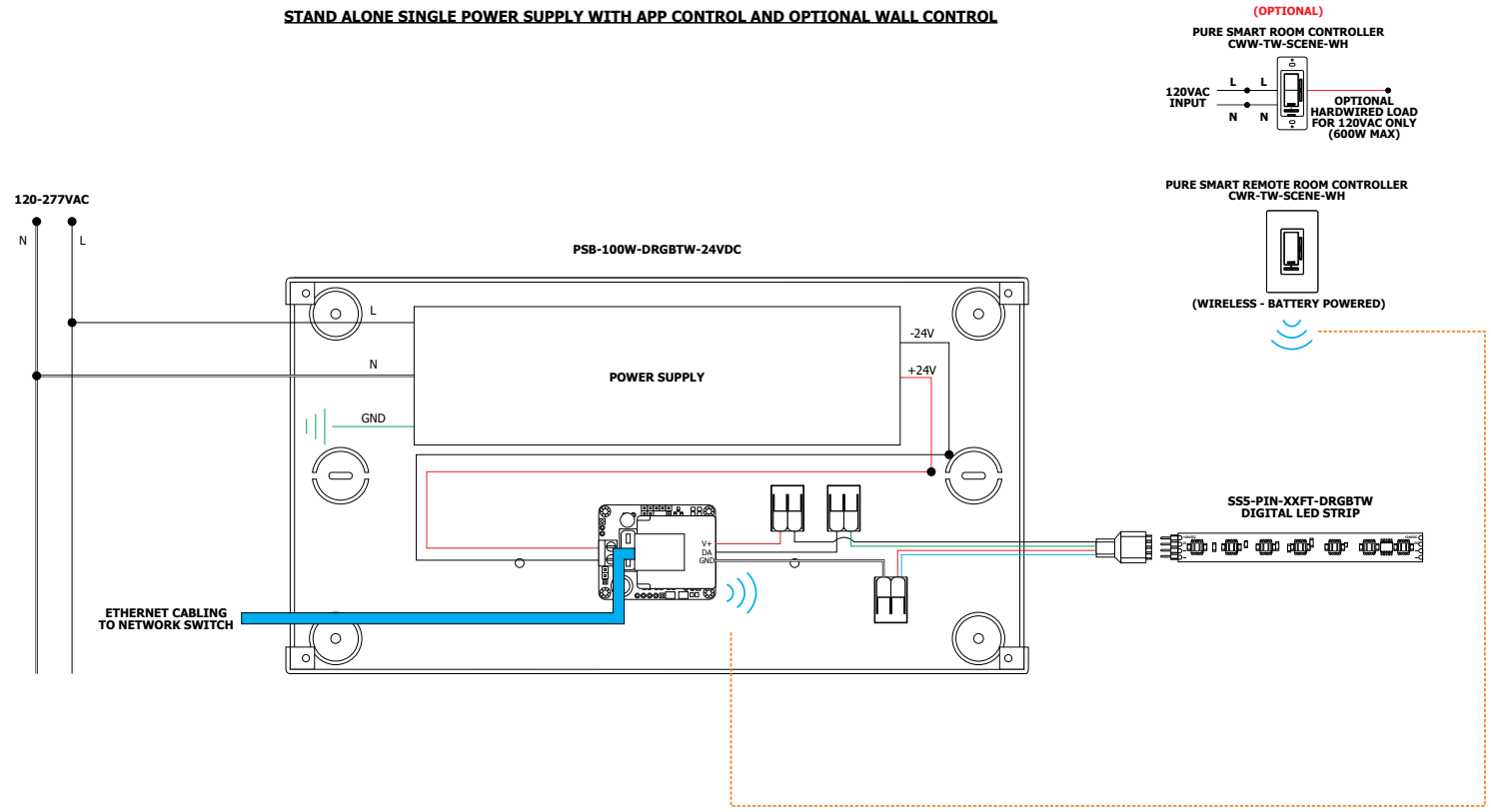
POWER SUPPLY LOAD CHART

TRUCIRQUE DIAMETER IN FEET	TOTAL LUMENS 30K	TOTAL WATTS	5W RECOMMENDED POWER SUPPLY
	5W DRGBTW	5W DRGBTW	
2	1068	31	PSB-100W-24VDC-DRGBTW
2.5	1335	39	PSB-100W-24VDC-DRGBTW
3	1602	47	PSB-100W-24VDC-DRGBTW
4	2136	63	PSB-100W-24VDC-DRGBTW
5	2670	79	PSB-100W-24VDC-DRGBTW
6	3204	94	PSB-100W-24VDC-DRGBTW
7	3738	110	PSB-2X100W-24VDC-DRGBTW
8	4273	126	PSB-2X100W-24VDC-DRGBTW
9	4807	141	PSB-2X100W-24VDC-DRGBTW
10	5341	157	PSB-2X100W-24VDC-DRGBTW
11	5875	173	PSB-2X100W-24VDC-DRGBTW
12	6409	188	PSB-2X100W-24VDC-DRGBTW
13	6943	204	PSB-3X100W-24VDC-DRGBTW
14	7477	220	PSB-3X100W-24VDC-DRGBTW
15	8011	236	PSB-3X100W-24VDC-DRGBTW
16	8545	251	PSB-3X100W-24VDC-DRGBTW
17	9079	267	PSB-3X100W-24VDC-DRGBTW
18	9613	283	PSB-3X100W-24VDC-DRGBTW

TRUCIRQUE DIAMETER IN FEET	TOTAL LUMENS 30K	TOTAL WATTS	7W RECOMMENDED POWER SUPPLY
	7W DRGBTW	7W DRGBTW	
2	1477	44	PSB-100W-24VDC-DRGBTW
2.5	1846	55	PSB-100W-24VDC-DRGBTW
3	2215	66	PSB-100W-24VDC-DRGBTW
4	2953	88	PSB-100W-24VDC-DRGBTW
5	3691	110	PSB-2X100W-24VDC-DRGBTW
6	4430	132	PSB-2X100W-24VDC-DRGBTW
7	5168	154	PSB-2X100W-24VDC-DRGBTW
8	5906	176	PSB-2X100W-24VDC-DRGBTW
9	6644	198	PSB-3X100W-24VDC-DRGBTW
10	7383	220	PSB-3X100W-24VDC-DRGBTW
11	8121	242	PSB-3X100W-24VDC-DRGBTW
12	8859	264	PSB-3X100W-24VDC-DRGBTW
13	9598	286	PSB-4X100W-24VDC-DRGBTW
14	10336	308	PSB-4X100W-24VDC-DRGBTW
15	11074	330	PSB-4X100W-24VDC-DRGBTW
16	11812	352	PSB-4X100W-24VDC-DRGBTW
17	12551	374	REQUIRES 5 POWER SUPPLIES
18	13289	396	REQUIRES 5 POWER SUPPLIES

NETWORK TOPOLOGY

STAND ALONE SINGLE POWER SUPPLY WITH APP CONTROL AND OPTIONAL WALL CONTROL

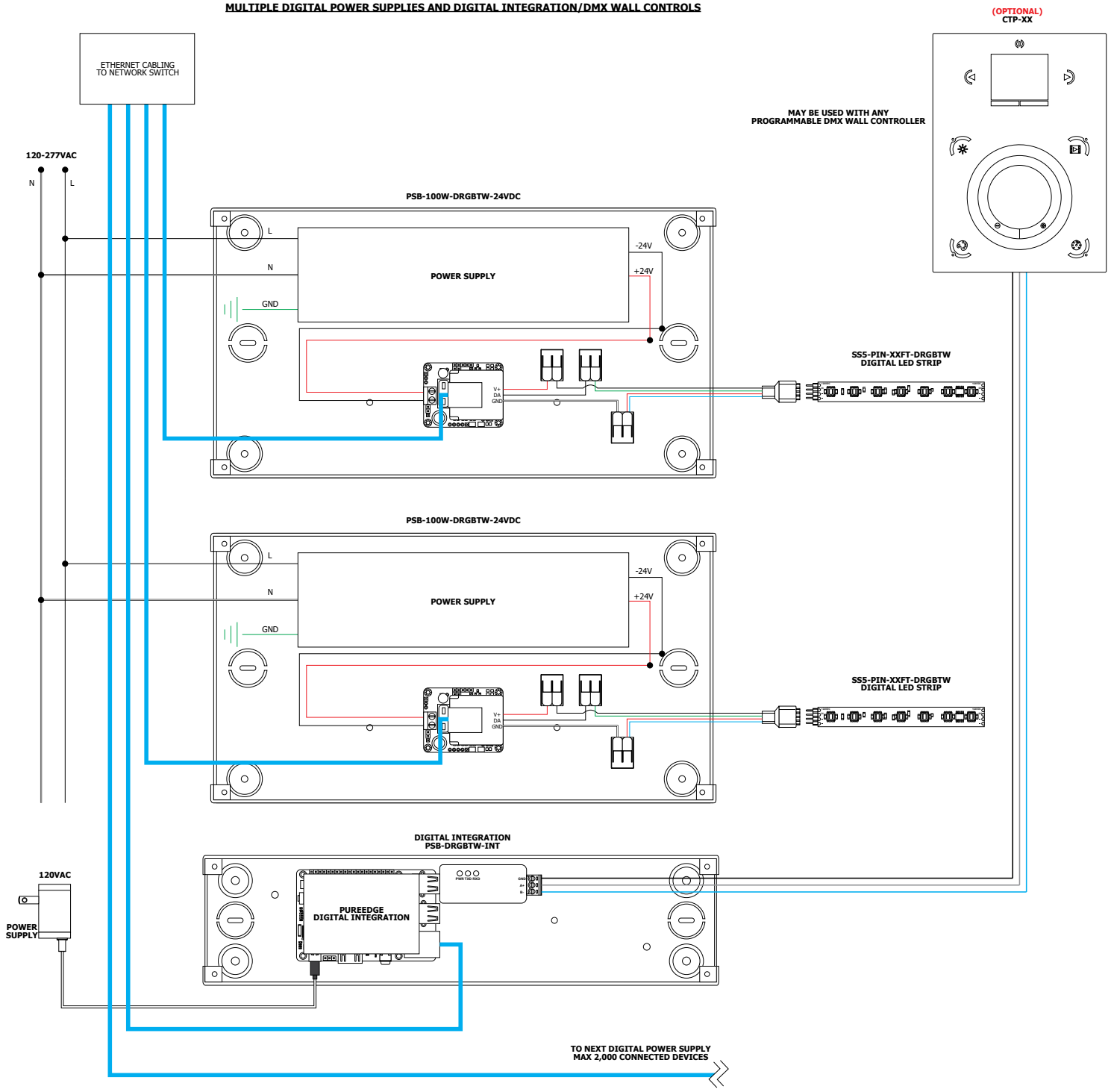


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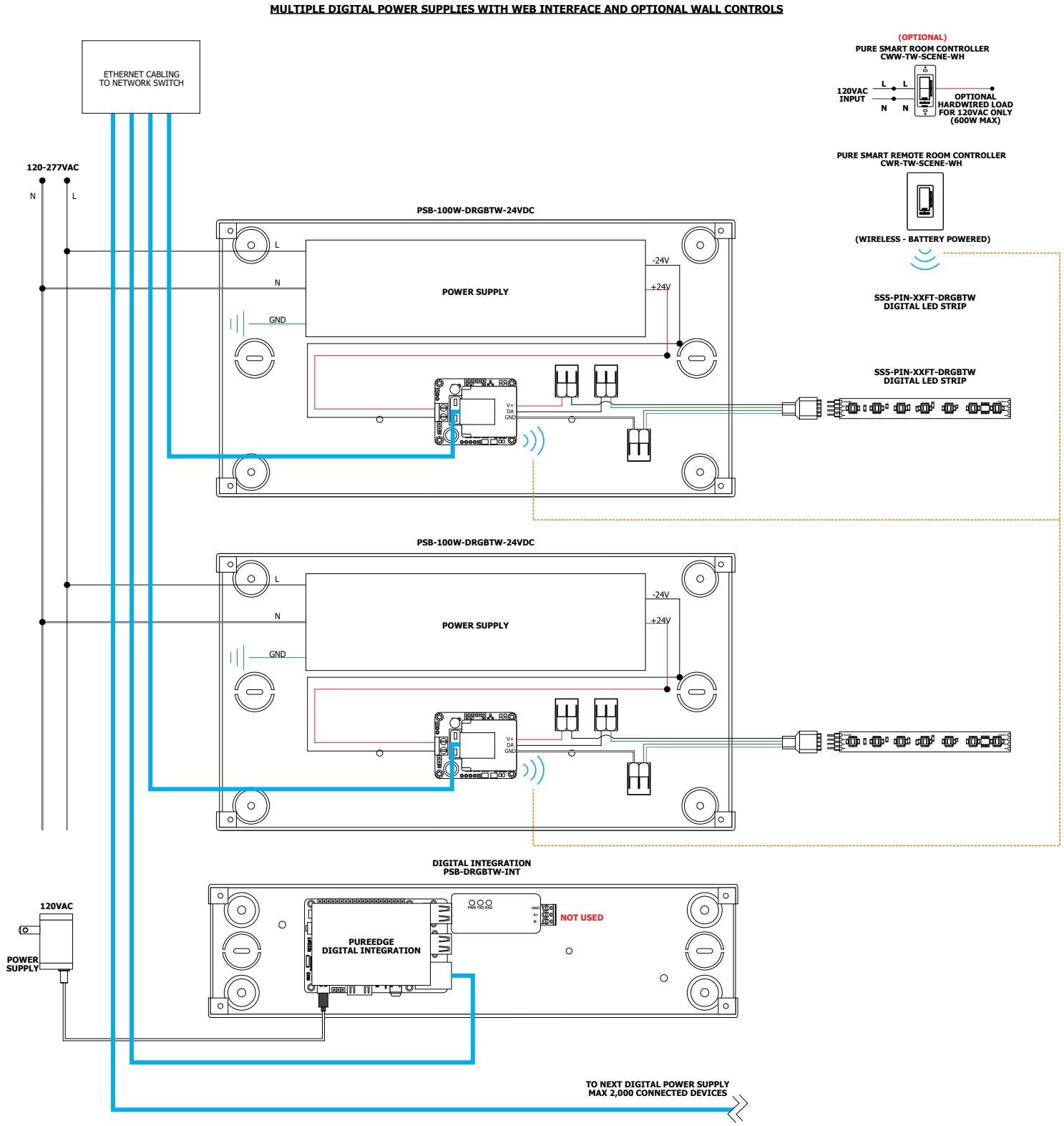


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24VDC 5/8" DRYWALL PLASTER-IN LED SYSTEM, 5 CHANNEL CONTROL EVERY 4 INCHES

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NETWORK TOPOLOGY

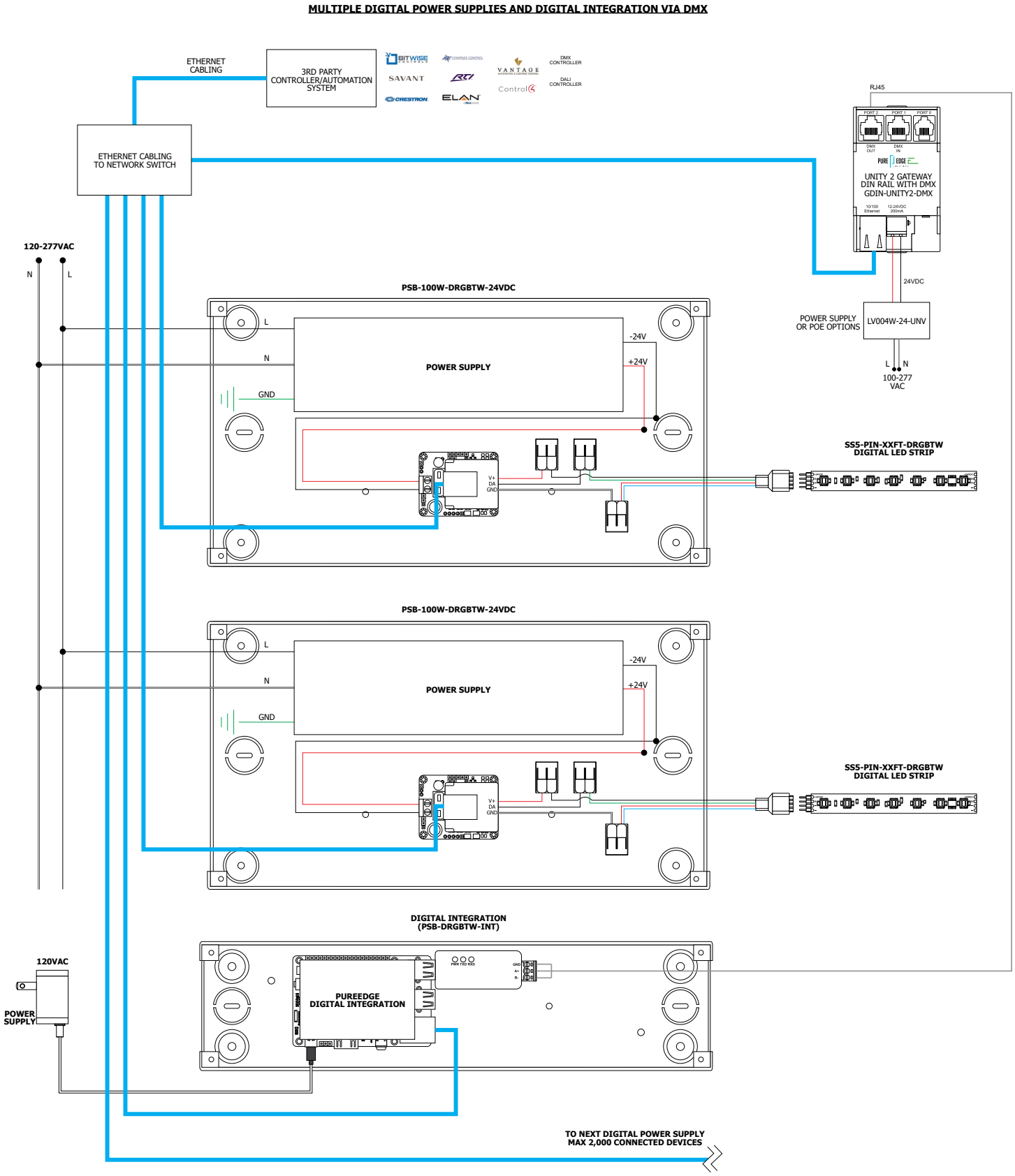


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NETWORK TOPOLOGY



LED STRIP TM30 DATA

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

PURE EDGE™ Pure Smart Lighting

PROJECT

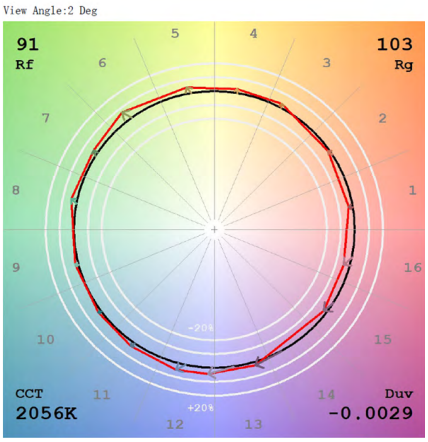
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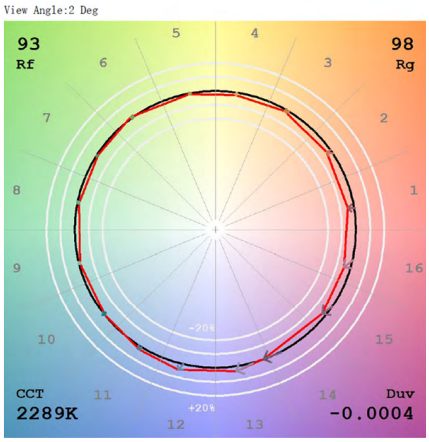
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TM-30-15 DATA: The data below is for TruColor™ RGBTW (S5W7) bare LED Strips. Consistent color temperatures throughout a single strip and among multiple strips is possible through a 3 phase binning process in which each order is inspected with a color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

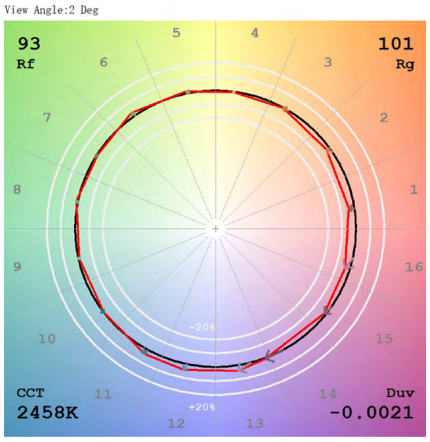
2000K (TruColor™ RGBTW)



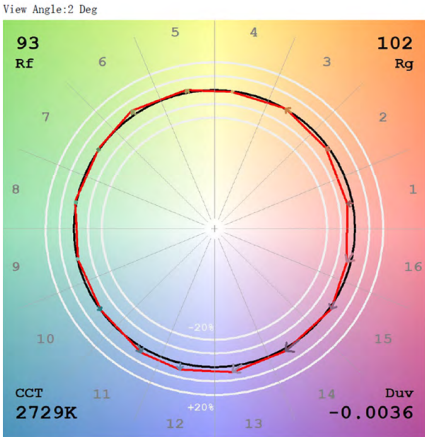
2200K (TruColor™ RGBTW)



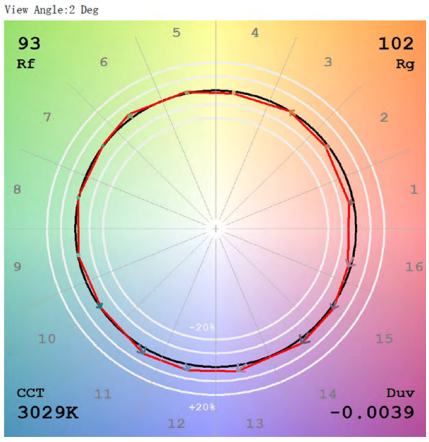
2400K (TruColor™ RGBTW)



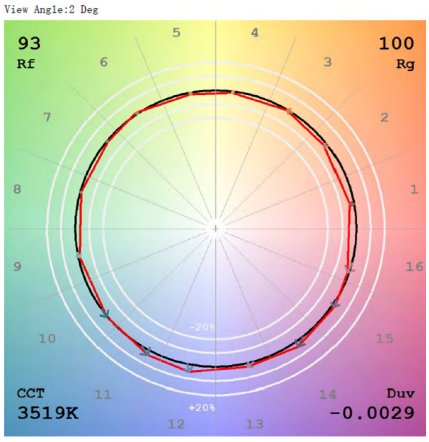
2700K (TruColor™ RGBTW)



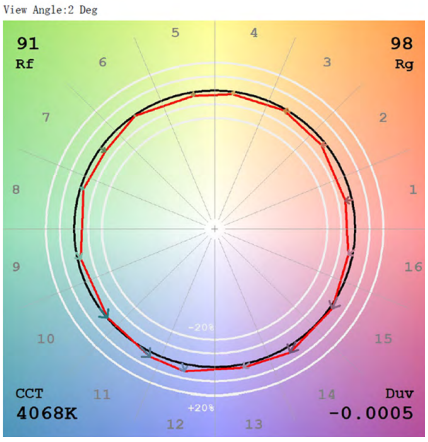
3000K (TruColor™ RGBTW)



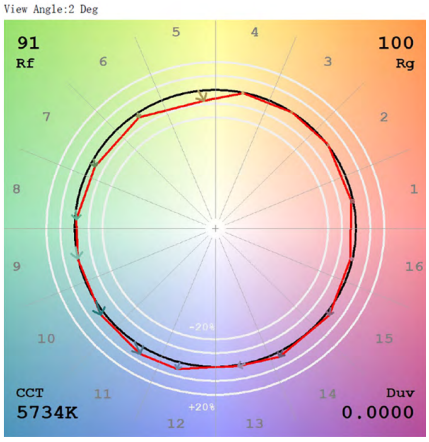
3500K (TruColor™ RGBTW)



4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)

