

# T24M TUBO LARGE TRACK HEAD HIGH OUTPUT

24VDC INTEGRATED LED, WI-FI ENABLED, 2-CIRCUIT MAGNETIC, RGBTW

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

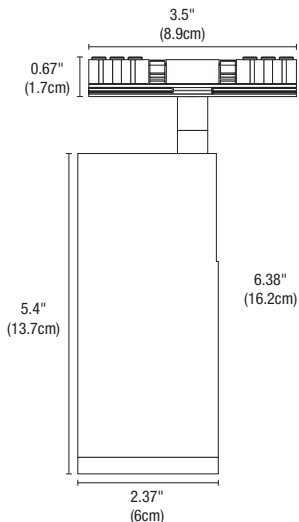
REV 01.28.25



T24M-2C-TU2L-NF-WZ-TC-PW



T24M-2C-TU2L-NF-WZ-TC-BK



Magnetic Track Heads Easily Click Into Place



## DESCRIPTION

Our Pure Smart Tubo Large TruColor™ RGBTW Track Head with Magnetic track adapter is available in 12W and 17W options. This luminaire that delivers up to 1271 lumens while exhibiting a simple yet appealing modern design. Being part of an entirely low voltage, class 2, 24VDC system, it offers unsurpassed efficiency in comparison to traditional track lighting systems. The low voltage track connector is compatible with 2-Circuit Magnetic TruTrack, TruTrack Trim Magnetic, and Magnetic Surface Track. Offered in multiple beam spreads and the optics/lenses can be changed in the field.

## 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 from the morning to the mid-day sun (4500K-6500K).

TruColor™ LED's achieve an average CRI of 93+ 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, soft pastels and unprecedented ease of installation, making TruColor™ (RGBTW) the ideal choice for residential and commercial applications. Let TruColor™ transform your space and the people within it.

The integrated WiZ Pro smart driver allows for user friendly installation, simple programming, and intuitive feature rich controls. The WiZ app, WiZ Pro Dashboard, Pure Smart Wall and Remote Controls, and voice control through integration with most popular virtual assistants, allow the user to execute dimming, CCT control, and access to many static and dynamic light modes from anywhere inside or outside the home or office. The heads are individually addressable allowing for maximum customization with regard to grouping and zoning. The options for scheduling and automation within the WiZ platform increase energy efficiency and help to support a healthy circadian rhythm. Elevate your lighting experience with superior output, energy efficiency, smart control, and exceptional color consistency.

**COLOR TEMPERATURE: TruColor™ RGBTW:** Red, Blue, Green, Tunable White from 1500K-6500K

**LUMENS:** 1271 Lumens at 3000K

**CRI:** 96 CRI at 3000K

**EFFICACY:** 79 lumens per watt at 3000K

## MOUNTING OPTIONS

Compatible with PureEdge T24M Track Heads are Compatible with TruTrack® (TR24M-2C) and Surface Mount track (TS24M-2C).

## REMOTE POWER SUPPLIES (SOLD SEPARATELY)

24VDC, Class 2 wiring

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

## ACCESSORIES (SF SOFT FOCUS MIXING INCLUDED)

Field changeable lenses in SP (16°), NF (30°), FL (35°), WF (45°), beam spread options, Mixing Films, Louver, and Snoot

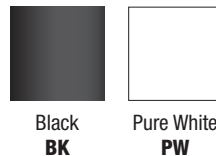
## APPLICATIONS

Designed for indoor use only, dry and damp locations. Ideal applications in Commercial, Retail, Residential, Hospitality, Education, and Healthcare Institutions.

## WARRANTY / LABELS

Pro-rated 5 year warranty. Assembled in America, ETL (Conforms to UL1598 and CSA 22.2 #250.0) RoHs, Title 24 JA8 compliant.

## FINISHES



System	Type	Fixture	Wattage	Beam Spread Lens	Control	Color Temperature	Finish
<b>T24M</b>	<b>2C</b>	<b>TU2L</b>	<b>17W</b>	<b>NF</b>	<b>WZ</b>	<b>TC</b>	<b>BK</b>
T24M Track Head 24V Magnetic Connector	2C 2 Circuit	TU2L Tubo Large 2	12W 12 Watts 17W 17 Watts	SP Spot 16° NF Narrow Flood 30° FL Flood 35° WF Wide Flood 45°	WZ WiZ Smart Control	TC TruColor™ RGBTW Red, Green, Blue & Tunable White 1500K- 6500K	BK Black Powder Coat PW Pure White Powder Coat - RAL 9016

\*Has Aura Effect without diffusion film

PROJECT		FIXTURE TYPE		DATE	
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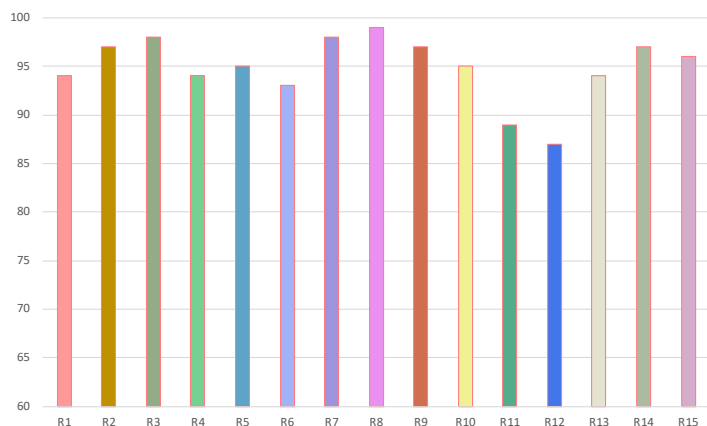
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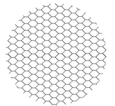


## NOMINAL DELIVERED LUMENS

WATTS	12W									17W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS	445	462	507	596	670	737	751	596	494	830	862	962	1130	1271	1401	1531	1307	1082
LUMENS PER WATT (lm/w)	44	44	47	52	56	61	64	60	56	64	62	65	72	79	87	96	93	82
CRI	86.7	88.3	89.7	93.2	95.2	96.8	96.7	93.9	91.6	86.4	88.4	91.8	94.7	95.9	97.3	96.5	94.8	93.3
Duv	-0.0027	-0.0011	-0.0019	-0.0022	-0.0023	-0.0005	-0.0005	-0.0041	-0.0036	0.0026	0.0026	0.0026	0.0033	0.0037	0.0024	0.0008	0.0024	0.0006
Rf	87	88	90	93	94	94	93	93	91	88	89	92	94	95	95	94	93	92
Rg	104	101	103	103	103	101	100	105	106	105	105	105	104	104	103	100	105	105
R9	91	92	90	94	97	98	94	80	66	84	86	92	97	97	98	85	90	83
R13	83	85	87	91	93	96	96	93	92	82	85	89	93	94	96	99	96	96
R15	92	93	93	95	96	97	95	91	88	90	91	93	96	96	97	96	94	93
WATTS	10	11	11	12	12	12	12	10	9	13	14	15	16	16	16	16	14	13

## R1-R15 CRI CHART @ 3000K CRI 95+



## Additional Lenses and Accessories

	TUBO LARGE LENS	SNOOT	LOUVER	FOCUS LENS	LINEAR SPREAD FILM
					
ORDERING CODE	<b>RGBTW</b> <b>LEN-TU2L-SP</b> <b>LEN-TU2L-NF</b> <b>LEN-TU2L-FL</b> <b>LEN-TU2L-WF</b>	<b>STB16-BK</b> <b>STB16-WH (WHITE SHELL)</b>	<b>L016-H</b>	<b>LF-TUBL-SF (SOFT FOCUS),</b> <b>MF (MEDIUM FOCUS),</b> <b>WF (WIDE FOCUS)</b>	<b>LF-TUBL-LS</b>
LENS SIZE	2" (50mm) Diameter				
BEAM SPREADS	<b>SP (16°), NF (30°),</b> <b>FL (35°), WF (45°)</b>	Snoot is designed to reduce spill and control glare. Spun aluminum.	Hexcell louver eliminates glare. 0.125" Thickness.	Soft focus lens is included with every track head. Diffuses the beam, providing uniform illumination.	Linear spread film: directs the light into an elongated beam. Typical applications using 10°, 15°, 25° include illuminating landscape oriented art. 35°, 40°, 60° create an elongated oval typically used for wall washing.



# PURE SMART™ SWITCH MODULE

CONTACT CLOSURE INTERFACE FOR WIZ INTEGRATION IN HOME AUTOMATION SYSTEMS

ASSEMBLED IN AMERICA

REV 01.28.25



## DESCRIPTION

The contact closure relay Switch Module enables the seamless integration of Pure Smart™ lamps, fixtures, and systems connected by WiZ Pro into any control systems. It connects to the relay pack within a home automation system, receiving contact closure commands from the native system and subsequently sending the corresponding wireless commands to WiZ devices.

The module is equipped with 8 dry-contact pins, allowing for various commands: On, Off, Dim Up, Dim Down, CCT Up, CCT Down, Previous Scene, and Next Scene. It has the capability to control a single zone, multiple zones, or entire home scenes through scene selection.

Additionally, the switch module features a local communication protocol, ensuring proper functionality with or without Wi-Fi connectivity. Commissioning of the switch module and target devices is carried out using the WiZ app, after which control can be maintained through the native automation system.

## POWER INPUT (INCLUDED WITH ORDERING CODE)

9-40V Input  
SELV Constant Voltage Input Only

## EFFICIENCY

90%

## AMBIENT OPERATING TEMPERATURE

-4°F (-20°C) to 113°F (45°C)

## HOME AUTOMATION SYSTEMS

- Control4
- Crestron
- Lutron
- Nice
- RTI
- Savant
- URC
- Vantage

## CONTROLS

All PureEdge [Pure Smart Products](#)

## INSTALLATION

The Pure Smart™ WiZ Pro Switch Module allows for integration of wirelessly controlled, WiZ Pro enabled loads into other automation systems. It is compatible with any control system that supports contact closure relays.

## CONNECTIVITY

Wi-Fi IEEE802.11b/g/n, BLE V4.2

## AVERAGE LIFE

50,000 hours

## APPLICATIONS

Indoor, Dry locations only

Product		System		Type
<b>CW</b>	–	<b>SWMOD</b>	–	<b>TW-SCENE</b>
<b>CW</b> WiZ Control		<b>SWMOD</b> Switch Module		<b>TW-SCENE</b> Tunable White + Scenes

## WIRE DEFINITION

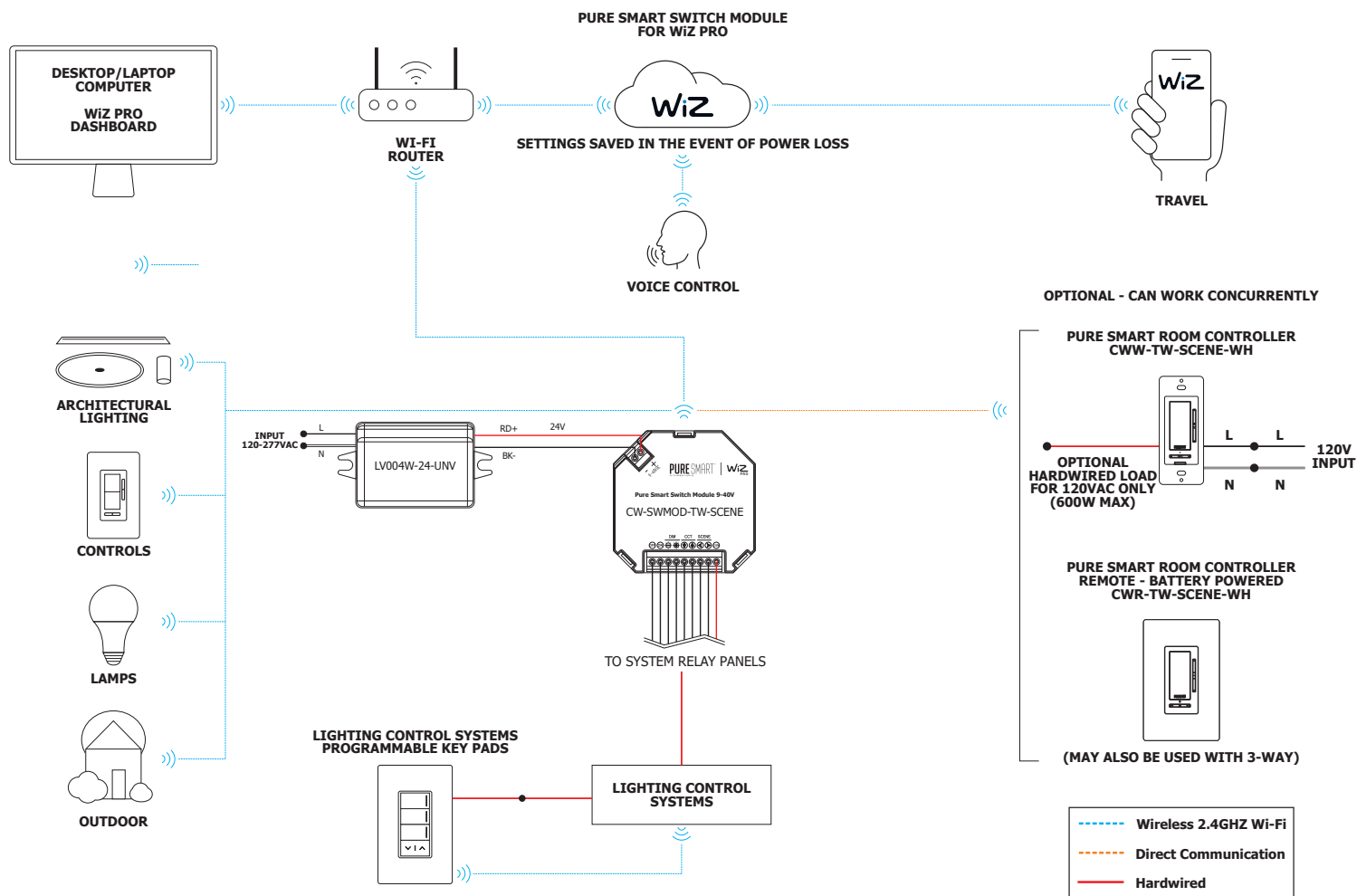
CONTACT/WIRE/TERMINAL	DEFINITION	REMARK
DC (+)	DC Input Plus Terminal	SELV Input
DC (-)	DC Input Negative Terminal	SELV Input
1	Off	Off
2	On	On
3	-	Dim Down
4	+	Dim Up
5	CCT -	CCT Down
6	CCT +	CCT Up
7	Prev	Previous Scene
8	Next	Next Scene
9	COM	Common Terminal

PROJECT		FIXTURE TYPE		DATE	
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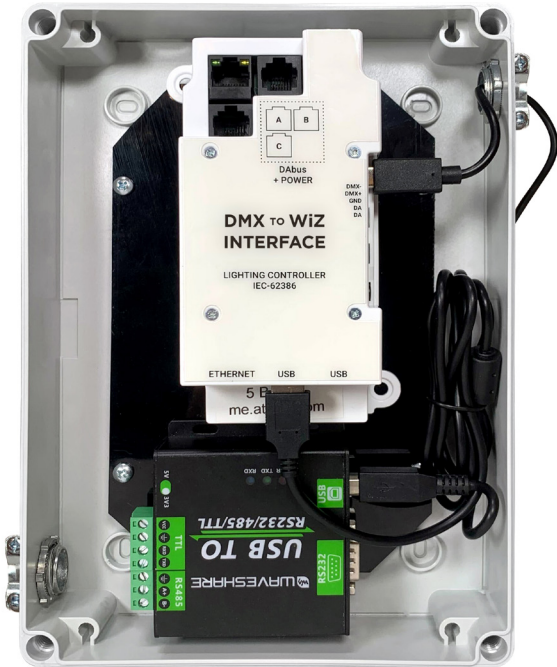
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## WIRING & NETWORK TOPOGRAPHY



PROJECT		FIXTURE TYPE		DATE	
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DESCRIPTION

This DMX to WiZ Interface allows for WiZ Pro-Enabled devices like the Pure Smart TruColor RGBTW smart bulbs to be controlled by any control/home-automation system with DMX compatibility. This could be a DMX gateway/interface, a DMX console, or a standalone DMX controller. The DMX to WiZ interface takes the DMX input and output a wireless Wi-Fi signal locally on the WLAN to the WiZ enabled device(s). The devices can then be named, addressed, and/or zoned however the application necessitates.

FEATURES

- Assign user defined names to each lamp or group
- Synchronize names and status with Alexa
- Create, edit and view scenes and groups
- Turn devices on/off, set brightness, color temp, manual set colors for tunable white or full color mixing
- Create schedules
- Detect power outages and manage as needed

APPLICATIONS

Indoor, Dry locations only

POWER INPUT (POWER SUPPLY INCLUDED)

USB-C Input (5v, 3A)

EFFICIENCY

90%

AMBIENT OPERATING TEMPERATURE

-20° C to 45° C

LIFETIME

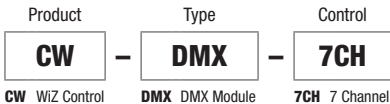
50,000 hours

INSTALLATION

40 feet but can be extended with additional Wi-Fi access points.

CONNECTIVITY

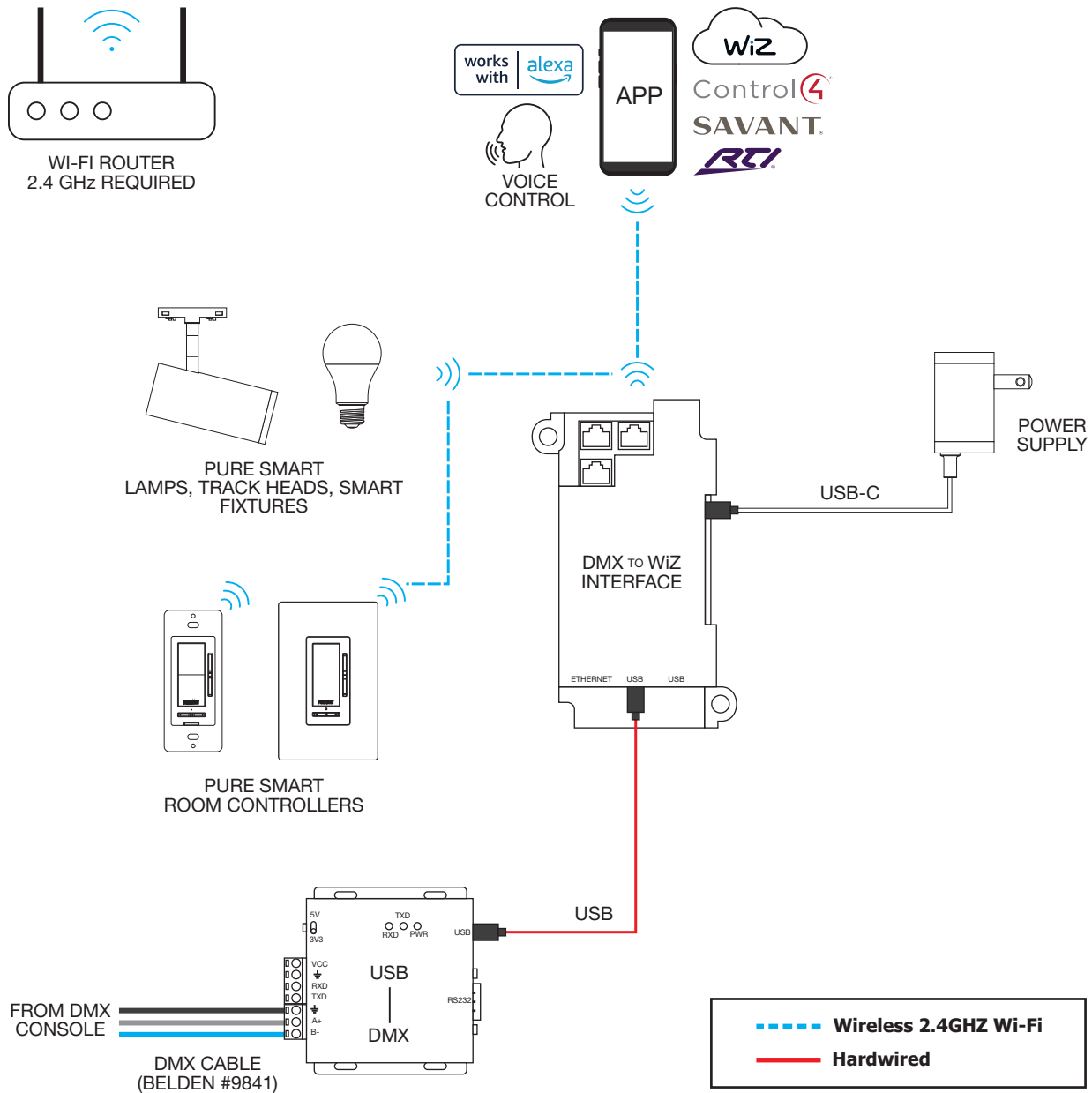
Ethernet, Wifi 802.11 a/b/g/n, DMX512 - up to 512 channels, WiZ bulbs - up to 1000 bulbs



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AURA EFFECT SP & NF BEAM SPREAD WITHOUT MIXING FILM, 20% MORE LUMENS, WHITE CENTER BEAM WITH COLOR OUTER RING REV 01.28.25



1500K - w/Red Aura Effect



1800K - w/Red Aura Effect



2000K - w/Red Aura Effect



2200K - w/Dark Orange Aura Effect



2400K - No Aura Effect



2700K - w/Amber Aura Effect



3000K - w/Amber Aura Effect



3500K - w/Amber Aura Effect



4000K - No Aura Effect



4500K - w/Slight Blue Aura Effect



5000K - w/Slight Blue Aura Effect



5500K - w/Slight Blue Aura Effect



Red



Green



Blue



Violet

PROJECT		FIXTURE TYPE		DATE	
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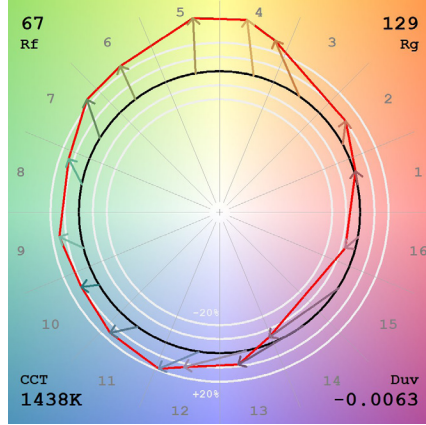
# TM30 DATA

24VDC INTEGRATED LED, WI-FI ENABLED, 2-CIRCUIT MAGNETIC, RGBTW

**TM-30-15 DATA:** The data below is for Pure Smart TruColor™ RGBTW Tubo

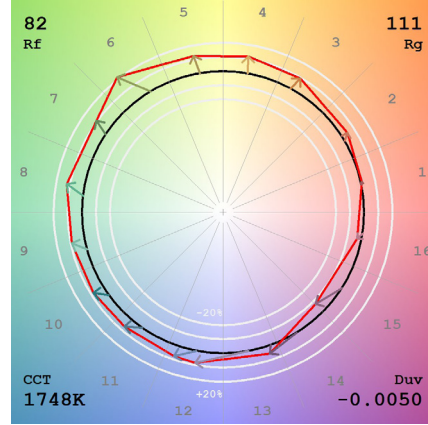
## 1500K (TruColor™ RGBTW)

View Angle: 2 Deg



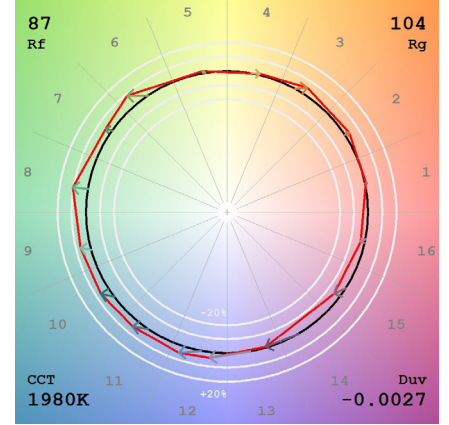
## 1800K (TruColor™ RGBTW)

View Angle: 2 Deg



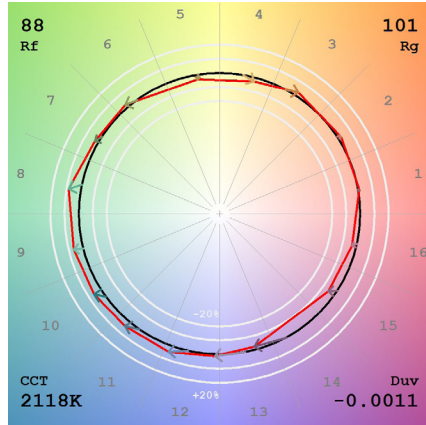
## 2000K (TruColor™ RGBTW)

View Angle: 2 Deg



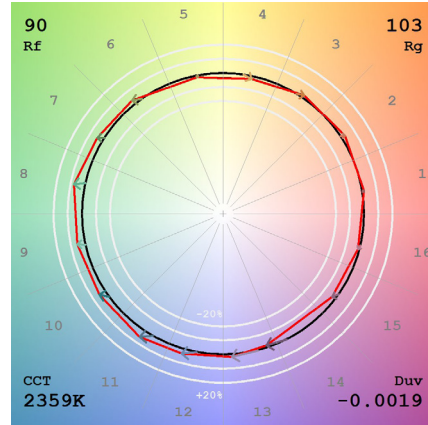
## 2200K (TruColor™ RGBTW)

View Angle: 2 Deg



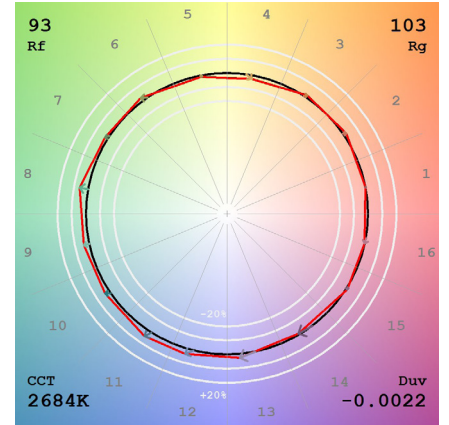
## 2400K (TruColor™ RGBTW)

View Angle: 2 Deg



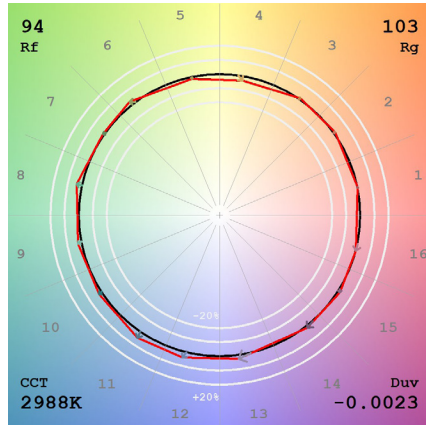
## 2700K (TruColor™ RGBTW)

View Angle: 2 Deg



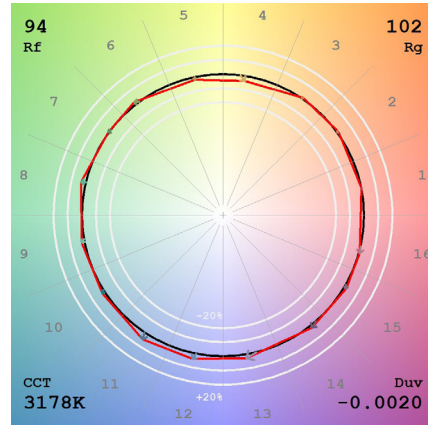
## 3000K (TruColor™ RGBTW)

View Angle: 2 Deg



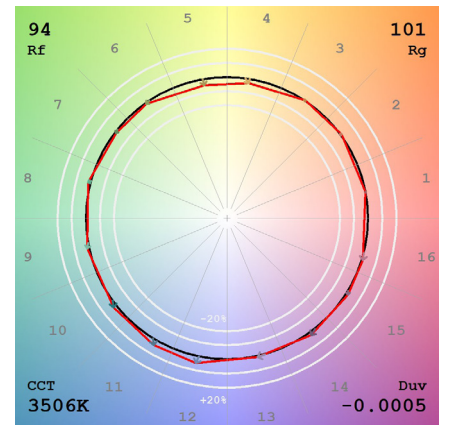
## 3200K (TruColor™ RGBTW)

View Angle: 2 Deg



## 3500K (TruColor™ RGBTW)

View Angle: 2 Deg

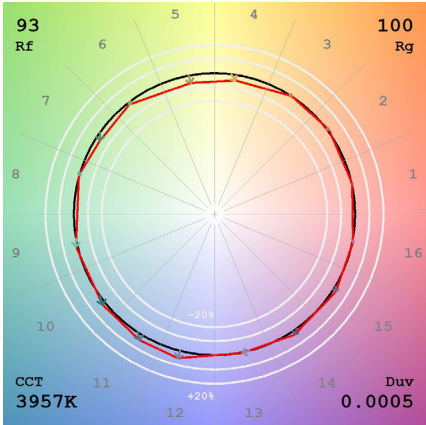


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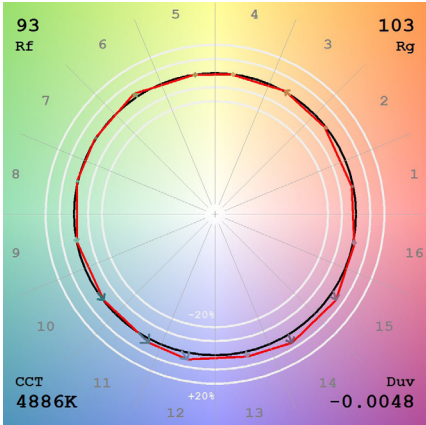
TM30 DATA  
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TM-30-15 DATA: The data below is for Pure Smart TruColor™ RGBTW Tubo

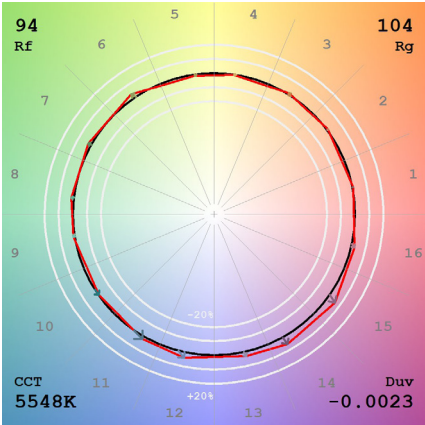
4000K (TruColor™ RGBTW)  
View Angle: 2 Deg



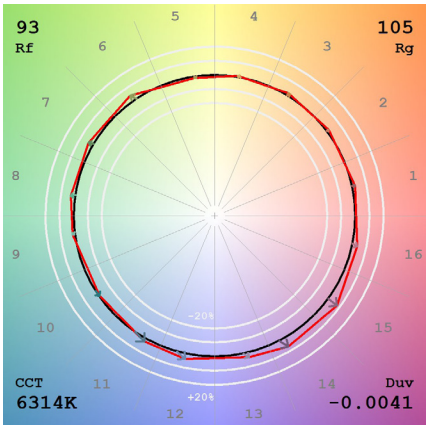
4500K (TruColor™ RGBTW)  
View Angle: 2 Deg



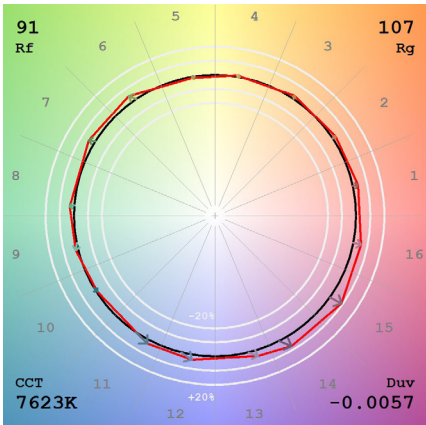
5000K (TruColor™ RGBTW)  
View Angle: 2 Deg



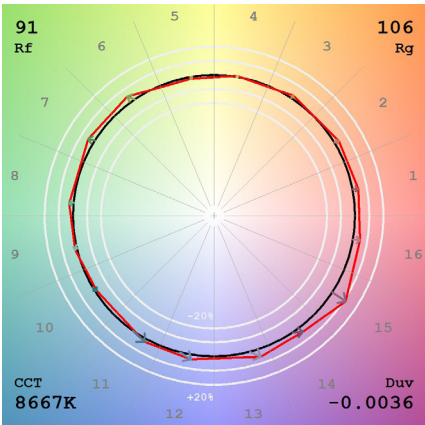
5500K (TruColor™ RGBTW)  
View Angle: 2 Deg



6000K (TruColor™ RGBTW)  
View Angle: 2 Deg



6500K (TruColor™ RGBTW)  
View Angle: 2 Deg



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