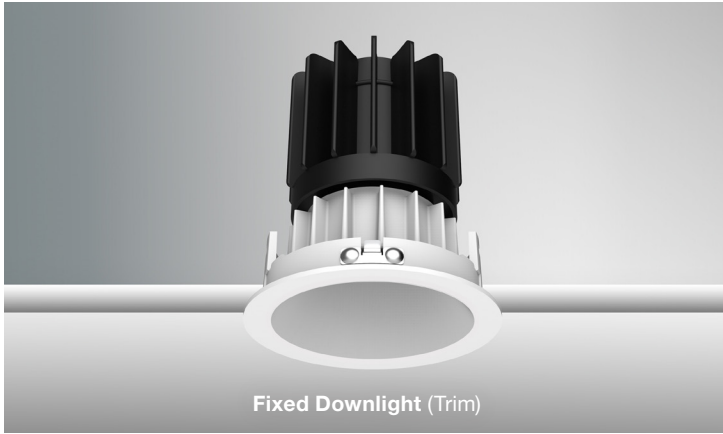


LUCA 2.7" TRUCOLOR™ RGBTW

24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS



Fixed Downlight (Trim)



Adjustable Downlight (Trimless)

DESCRIPTION

Experience the radiance of Luca 2.7 a cutting-edge downlight that embodies its Latin namesake as the "Bringer of Light", a testament to the latest advancements in cutting-edge lighting technology, delivering high performance solutions designed to elevate hospitality, retail, commercial, and discerning residential spaces. Our Luca downlights distinguish themselves with precision optics and exceptional color rendering with **TruColor™ RGBTW**

WiZ Pro compatibility seamlessly integrates into the wireless Wi-Fi control ecosystem. With the WiZ app, WIZ Pro Dashboard, smart wall controls and voice control. Unlock the full potential of Luca's extensive color palette. Elevate your lighting experience with superior output, energy efficiency, smart control, and exceptional color consistency.

The Luca Downlight series delivers captivating illumination across a wide spectrum, creating a visually engaging experience within any space. With its extensive range of design and installation options, Luca 2.7 is versatile for a wide array of new construction and remodel applications. Moreover, the compact form factor allows for installation in spaces with limited clearance.

Discover a new era of lighting performance and versatility, where superior optics, lumen performance, and outstanding color consistency converge to transform a space. For personalized quotes and expert layout assistance, share your drawings and concepts with our design team: design@PureEdgeLighting.com

SPECIFICATIONS

TRIM OPTIONS	Trim, Trimless, Round, Square, for both Fixed & Adjustable	
FINISH	Reflector: White, Black, Haze, (Satin Silver, low-glare) Trim: White, Black	
ADJUSTABLE	30° Tilt, 360° rotation	
OPTICS	Field Adjustable - 25°, 35°, 45°, 55° With Soft Diffusing Film 35% more lumens without filter, colors RGB could have the Aura effect, see pg 13	
WATTAGE	14W	19W
TOTAL LUMENS @ 3000K, 30°	641Lm	845Lm
EFFICACY	51Lm/W	60Lm/W
CCT	16 million colors RGBTW, CCT 1500K-6500K	
CRI AVERAGE FROM 2000K-5500K	92+	
INPUT VOLTAGE	24Volt, Eco-consciousness Class 2 Wiring	
CONSTRUCTION	IC Housing and NIC Frame: Galvanized Steel Heat Sink, Trims and Reflectors: Die-Cast Aluminum	
ACCESSORIES	Clear Glass & Soft Diffusing Film (Included) Linear Spread Glass Lens, Wide Diffused Glass Lens, or Hexcell Louver	

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 92+ 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. **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.

Join us in creating a brighter and more sustainable world with Luca 2.7, and class 2 wiring, the ultimate "Bringer of Light."

CONTROLS	Pure Smart™ Wi-Fi Controller Control through Wall Room Controller, Desktop, WiZ Pro App, and Voice.
WIZ INTEGRATION	<ul style="list-style-type: none"> • 1 Zone Relay • Multiple Zones DMX/DALI
DIMMING RANGE	Dimmable from 100% - 4%
POWER SUPPLY	24V Remote PSBR (Order Separately)
CUT OUT SIZE	Round: Ø 3", Square: 3"
CEILING THICKNESS	0.5" - 1"
ENVIRONMENT	Suitable for damp locations
CERTIFICATIONS	ETL Listed, Meets Title 24 (JA8) requirements, Damp Listed: Glass Lens to be used in showers and similar environments
AVERAGE LIFE	50,000 Hours
WARRANTY	5 Years *See published warranty terms for detailed information

PROJECT	FIXTURE TYPE	DATE
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LUCA 2.7" TRUCOLOR™ RGBTW

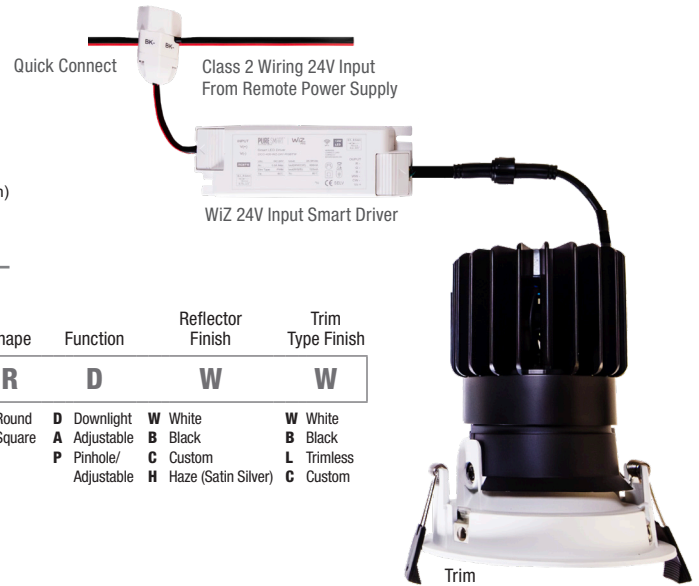
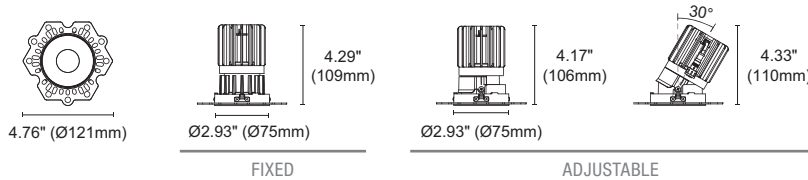
24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

REV 02.24.25

Light Engine with Trim & 24VDC Low Voltage Smart Driver

REMODEL NON-IC (Included with Standard Ordering Code)

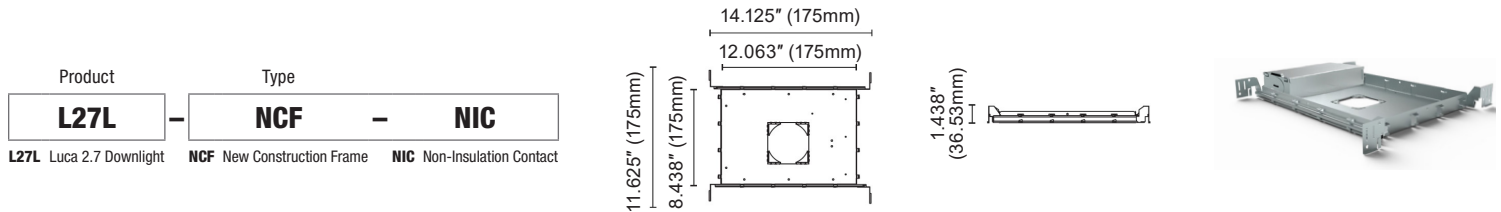
The Light Engine/Trim and Driver ordering code function independently for Remodeling and is also required when adding New Construction Frames or IC Housings.



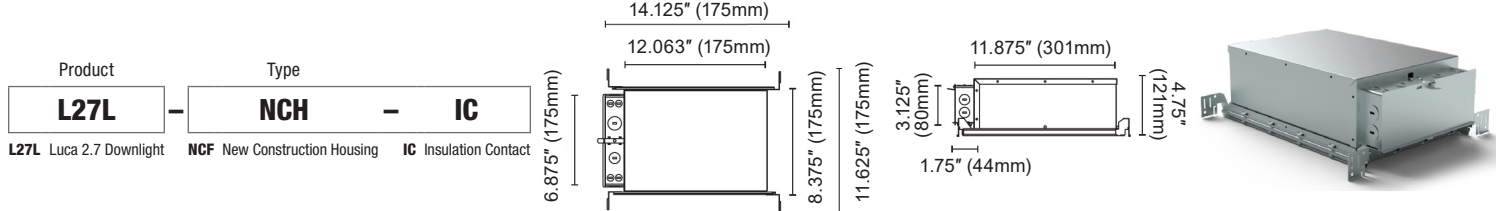
System	Wattage	Beam Spread	Control System	Color Temperature	Shape	Function	Reflector Finish	Trim Type Finish
L27L	19W	NF	WZ	TC	R	D	W	W
L27L Luca 2.7 Light Engine 24V Low Voltage input	14W 13.5 Watts 19W 18.5 Watts Refer to Power Supply Load Chart on Pg. 3	SP Spot 25° NF Narrow Flood 35° FL Flood 45° WF Wide Flood 55° Refer to Pg. 8 for Aura Effect examples when filter is removed	WZ Pure Smart WIZ Connected 24V Input	TC TruColor™ RGBTW Red, Green, Blue, and Tunable White 1500K-6500K	R Round S Square	D Downlight A Adjustable P Pinhole/Adjustable	W White B Black C Custom H Haze (Satin Silver)	W White B Black L Trimless C Custom

LUCA 2.7 New Construction Frames and Housings

NEW CONSTRUCTION FRAME NON-IC



NEW CONSTRUCTION HOUSING IC



NOMINAL DELIVERED LUMENS

	30 DEGREES																	
WATTS	14W									19W								
COLOR TEMPERATURE	20K	22K	24K	27K	30K	35K	40K	57K	65K	20K	22K	24K	27K	30K	35K	40K	57K	65K
LUMENS	389	427	483	599	641	673	711	673	632	525	619	679	756	854	980	1157	807	693
LUMENS PER WATT (lm/w)	29	32	37	48	51	53	54	50	47	49	52	54	57	60	65	68	70	68
CRI	78.3	81.1	85.4	94.2	95.5	96.3	96.4	95.9	93.3	85.3	88.9	90.7	92.7	95.7	98	96.3	94.2	92.3
Duv	0.000	0.003	0.001	-0.0053	-0.0046	-0.0033	-0.0037	-0.0033	-0.0054	-0.0016	-0.0027	-0.003	-0.0029	-0.0017	-0.0008	-0.0003	-0.0029	-0.0024
Rf	81	81	87	93	94	94	93	93	91	86	89	91	93	95	95	94	92	91
Rg	101	97	102	105	105	104	101	104	105	103	105	106	105	103	102	100	105	106
R9	90	90	90	90	97	96	84	92	83	90	90	90	90	97	96	84	92	83
R13	80	85	87	90	94	98	98	97	97	80	85	87	90	94	98	98	97	97
R15	90	91	92	93	96	98	96	95	93	90	91	92	93	96	98	96	95	93
WATTS	13.2	13.2	13.2	12.5	12.5	12.7	13.2	13.4	13.4	11.7	13	13.7	14.4	15.6	16.5	18.5	12.5	11.1

PROJECT		FIXTURE TYPE		DATE	
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LUCA 2.7" TRUCOLOR™ RGBTW

24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

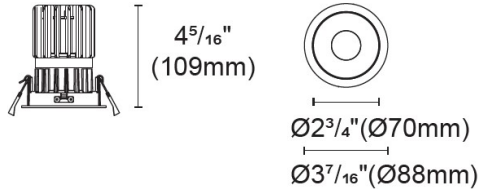
LUCA 2.7 TRIM OPTIONS

REV 02.24.25

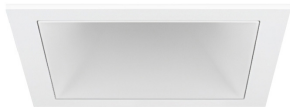
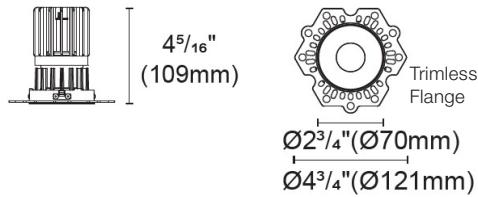
Fixed Downlight



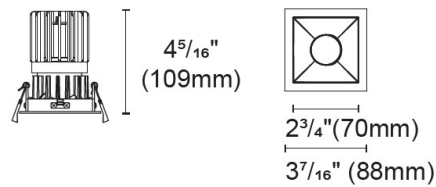
Round Trim



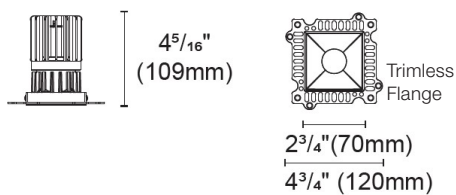
Round Trimless



Square Trim



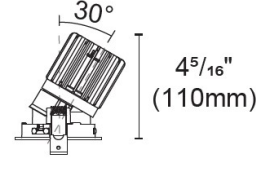
Square Trimless



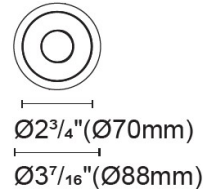
Adjustable Downlight



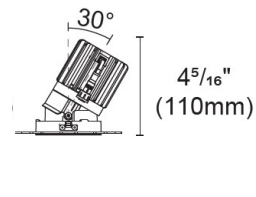
Round Trim



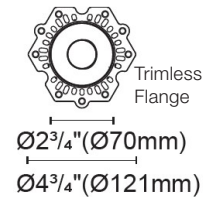
Round Trim Pinhole



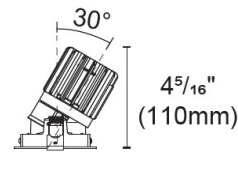
Round Trimless



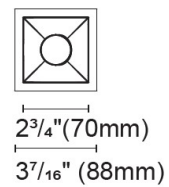
Round Trimless Pinhole



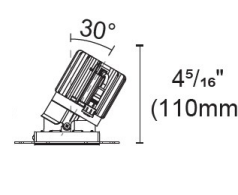
Square Trim



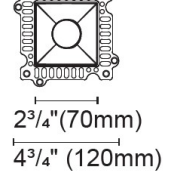
Square Trim Pinhole



Square Trimless



Square Trimless Pinhole



PROJECT		FIXTURE TYPE		DATE	
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LUCA 2.7" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

LUCA 2.7 TRIM & REFLECTOR OPTIONS

ROUND TRIM

DOWNLIGHT / ADJUSTABLE

Black Trim

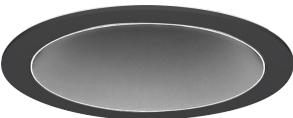
White Trim



Black Reflector



White Reflector



Haze Reflector



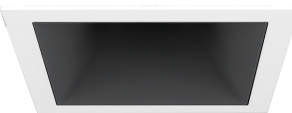
Pinhole Trim

SQUARE TRIM

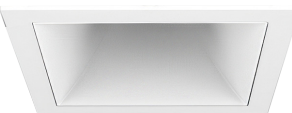
DOWNLIGHT / ADJUSTABLE

Black Trim

White Trim



Black Reflector



White Reflector



Haze Reflector



Pinhole Trim

PSBR-96W-24VDC

24 VOLT DC, POWER SUPPLY FOR REMOTE BRIDGE BOX

DESIGNED BY GREGORY KAY | ASSEMBLED IN AMERICA

REV 02.24.25

REQUIRED PARTS

14 Gauge Two Conductor Class 2 Power Wire

50 & 100ft per roll.

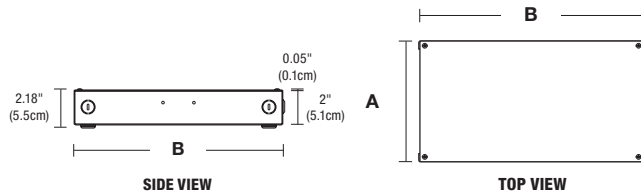
Product	Gauge	Class	Conductors	
WIR	14	CL2	BR	100FT
WIR Wire	14 14AWG (American Wire Gauge)	CL2 Class 2	BR Black & Red Conductors	50FT 50 foot roll 100FT 100 foot roll



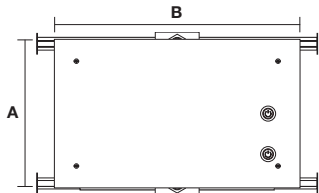
POWER SUPPLY Class 2 Wiring 24VDC Output



PSBR-96W-24VDC



STANDARD & T-BAR DIMENSIONS		
CONFIGURATION	A	B
PSBR-96W-24VDC	3.12"	12.4"
PSBR-2X96W-24VDC	6.48"	12.15"
PSBR-3X96W-24VDC	10"	14"



PSBR-2X96W-24VDC-IW (IN WALL KIT)

IN-WALL DIMENSIONS		
CONFIGURATION	A	B
PSBR-60W-24VDC-IW	3.12"	12.4"
PSBR-96W-24VDC-IW	5.1"	14.25"
PSBR-2X96W-24VDC-IW	8.5"	14.25"

DESCRIPTION

Pure Smart™ PSBR Power Supply for Remote Bridgebox accepts an input voltage of 120-277VAC and outputs 24VDC power up to 3X96 watts. The enclosure provides a space for electrical connections and features an external push button for cycling power and placing smart fixture and Bridgebox into pairing mode. In Wall Power Supply Kit includes Power Supply, Box Cover, and stud hangers for installing Junction Box in-wall. Indoor applications only. Keep power supply within 60ft of fixtures to avoid voltage drop.

APPLICATIONS

Indoor - To avoid overheating the power supply, install it in a ventilated remote location with sufficient air flow. Maintain proper spacing between power supplies when multiple power supplies are installed in the same location.

MOUNTING

Surface mounted with conduit access

POWER INPUT

120-277VAC

POWER OUTPUT

Class 2; 24 volts DC 4A, up to 3x96 watts maximum

EXTERNAL PUSH BUTTON

Easily accessible external push button allows for power cycling which triggers pairing mode to the connected smart device.

EFFICIENCY

90%

AMBIENT OPERATING TEMPERATURE

-25° C to 90° C

COMPLIANCE

Made in the USA, UL, CE,

Product	Wattage	Voltage	Options
PSBR	96W	24VDC	STANDARD (Leave Blank)
PSBR Power Supply for Remote Bridgebox	60W 60 Watts 96W 96 Watts 2X96W 2 x 96 Watts 3X96W 3 x 96 Watts	24VDC 24 Volt DC	TB T-Bar Grid Ceiling IW* In-Wall Kit CP Chicago Plenum *Only 96W & 2x96W

PSBR-96W-24VDC (Load Calculations)		
L2.7 Fixture Wattage	Max Quantity	Wattage
14	6	84
19	5	95

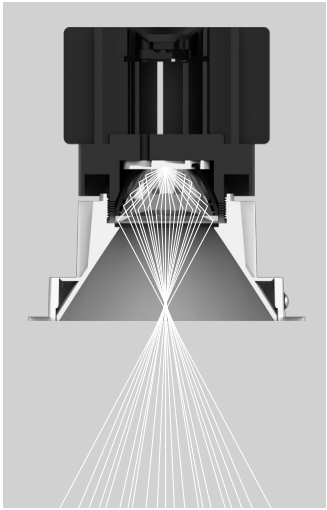
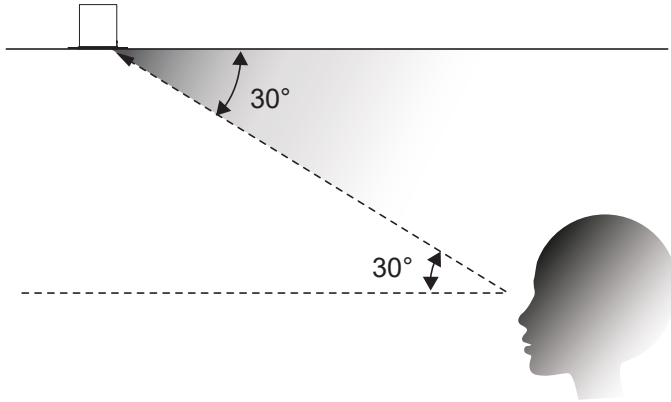
PROJECT		FIXTURE TYPE		DATE	
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LUCA 2.7" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

BEAM SPREAD & LENSES

LOW GLARE BAFFLE

Designed with a 30 degree cut-off angle, the Luca provides high output and efficiency while maximizing visual comfort.

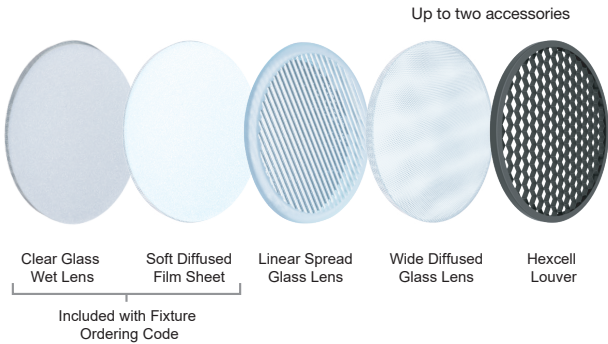


OPTICS

Our Luca Downlight has been meticulously designed to deliver exceptional performance and visual comfort. With its deep baffle design and a 30° cut-off, it effectively minimizes glare while providing a consistent and high-quality distribution of white light.

Our Adjustable Downlight features a 30° tilt for precise aiming and control.

In addition to the standard glass wet Lens and soft diffusion film we offer a variety of beam spreads, and lens accessories to tailor the output and beam shape for specific applications. The Linear spread lens glass produces an oval illumination pattern, while the Wide diffused glass lens evenly distribute the light. Additionally, the Hexcell Louver is available for enhanced glare control.



REPLACEMENT OPTICS

Product	Type	Beam Spread	Diameter	Height
OPL	L27	NF	35MM	15MM
OPL Optical Lens	L27 Luca 2.7	SP Spot 25° Lens NF Narrow Flood 35° Lens FL Flood 45° Lens WF Wide Flood 55° Lens	35MM 35mm	15MM 15mm

Accessories (up to 2)

Product	Type
GL13	L
GL13 Glass 1 5/8" (40mm) Diameter	C Clear Glass Wet Lens L Linear Spread Glass Lens W Wide Diffuse Glass Lens
LF13 Lens Film 1 5/8" (40mm) Diameter	S Soft Diffusion Film
LO13 Louver 1 5/8" (40mm) Diameter	H Hexcell Louver

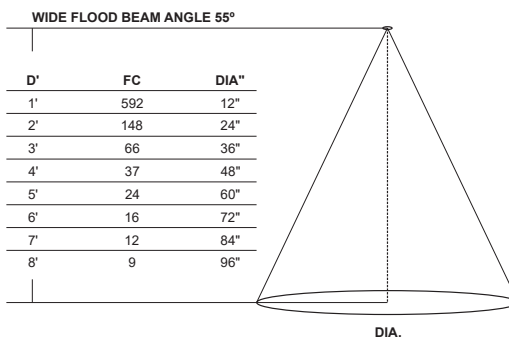
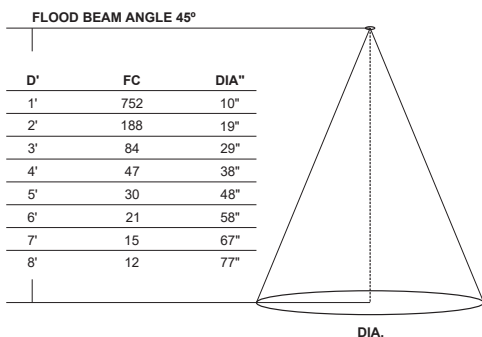
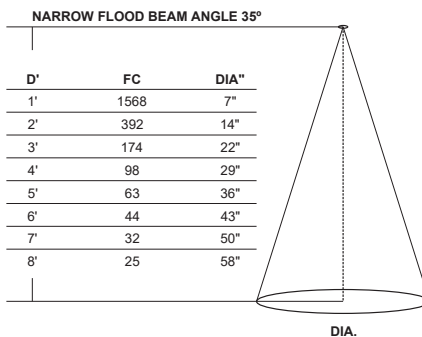
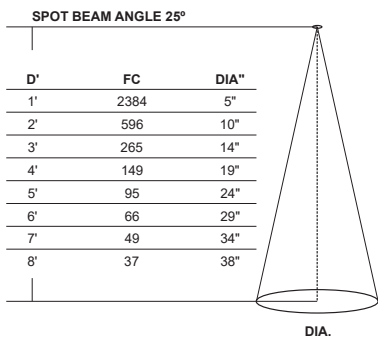
LUCA 2.7" TRUCOLOR™ RGBTW

24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

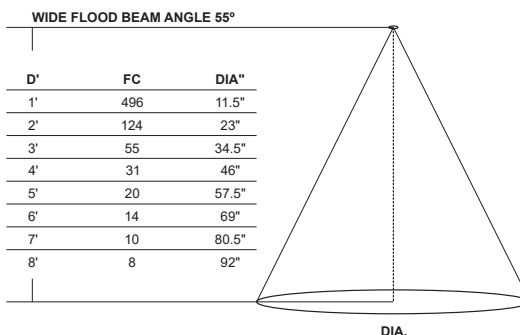
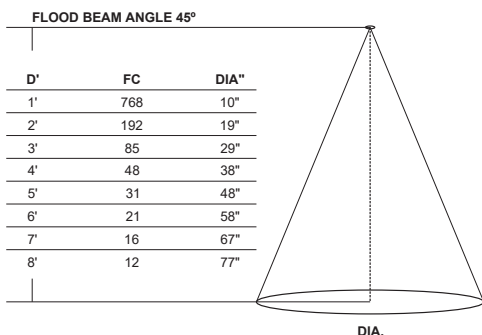
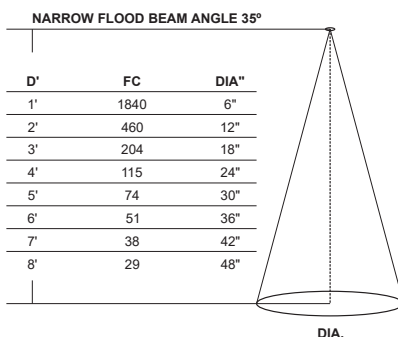
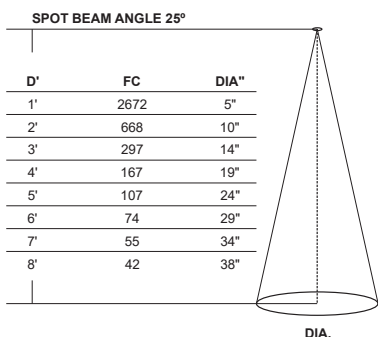
LUCA 2.7 FOOT CANDLE DISTRIBUTION

D - Distance From Luca fixture, FC - Initial foot candles at the center of beam, DIA - Diameter

14W at 3000K



19W at 3000K



LUCA 2.7" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

LUCA 2.7 DIMMING & CONTROLS

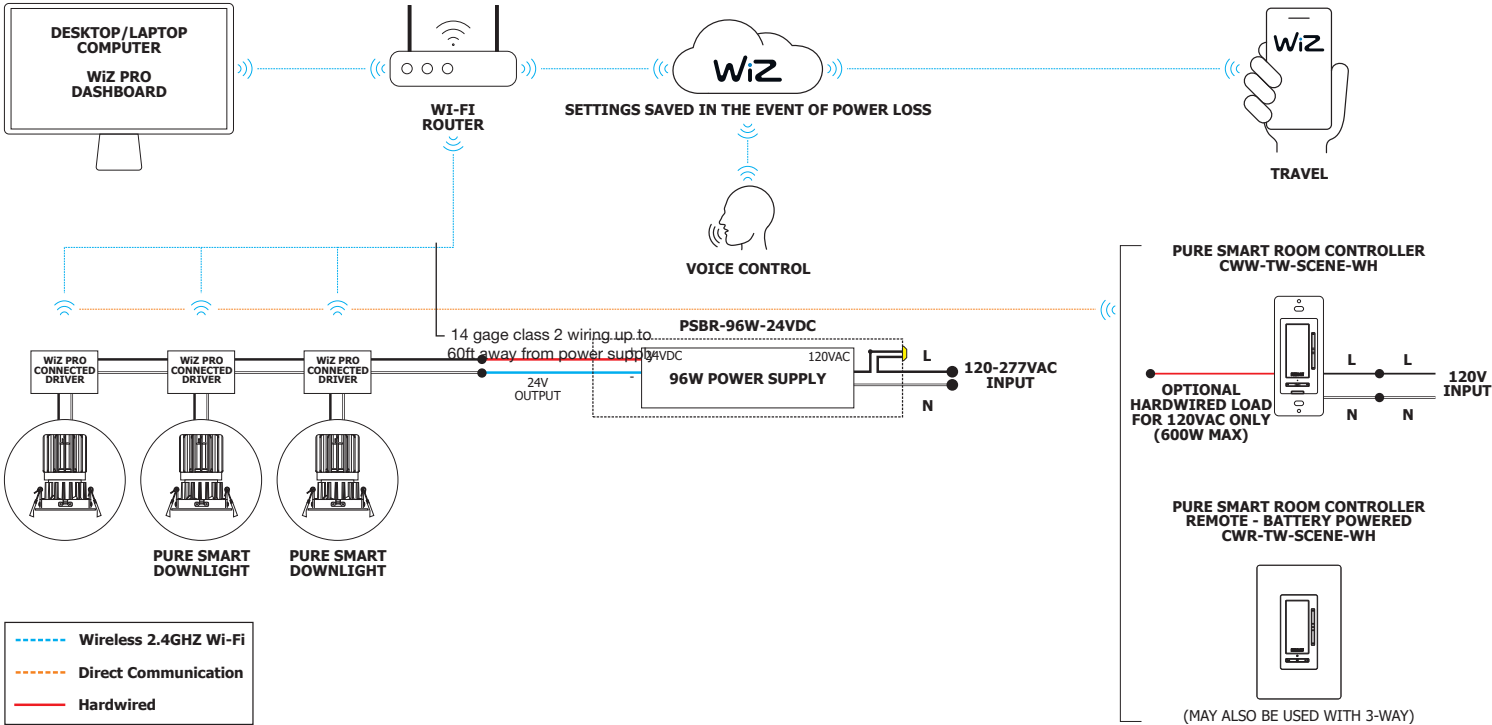


DESCRIPTION:

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. Communicates to the WiZ app and WiZ Pro Dashboard through connection to 2.4GHz Wi-Fi and the cloud. 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.

Product	Type	Finish
CWW	TW-SCENE	WH
CWW Controller, Wall Mount, WiZ Pro connected	TW-SCENE Tunable White + Scenes	WH White

NETWORK TOPOLOGY



PROJECT		FIXTURE TYPE		DATE	
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PURE SMART™ SWITCH MODULE

CONTACT CLOSURE INTERFACE FOR WIZ INTEGRATION IN HOME AUTOMATION SYSTEMS

ASSEMBLED IN AMERICA

REV 02.24.25



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
CW	–	SWMOD	–	TW-SCENE
CW WIZ Control		SWMOD Switch Module		TW-SCENE 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

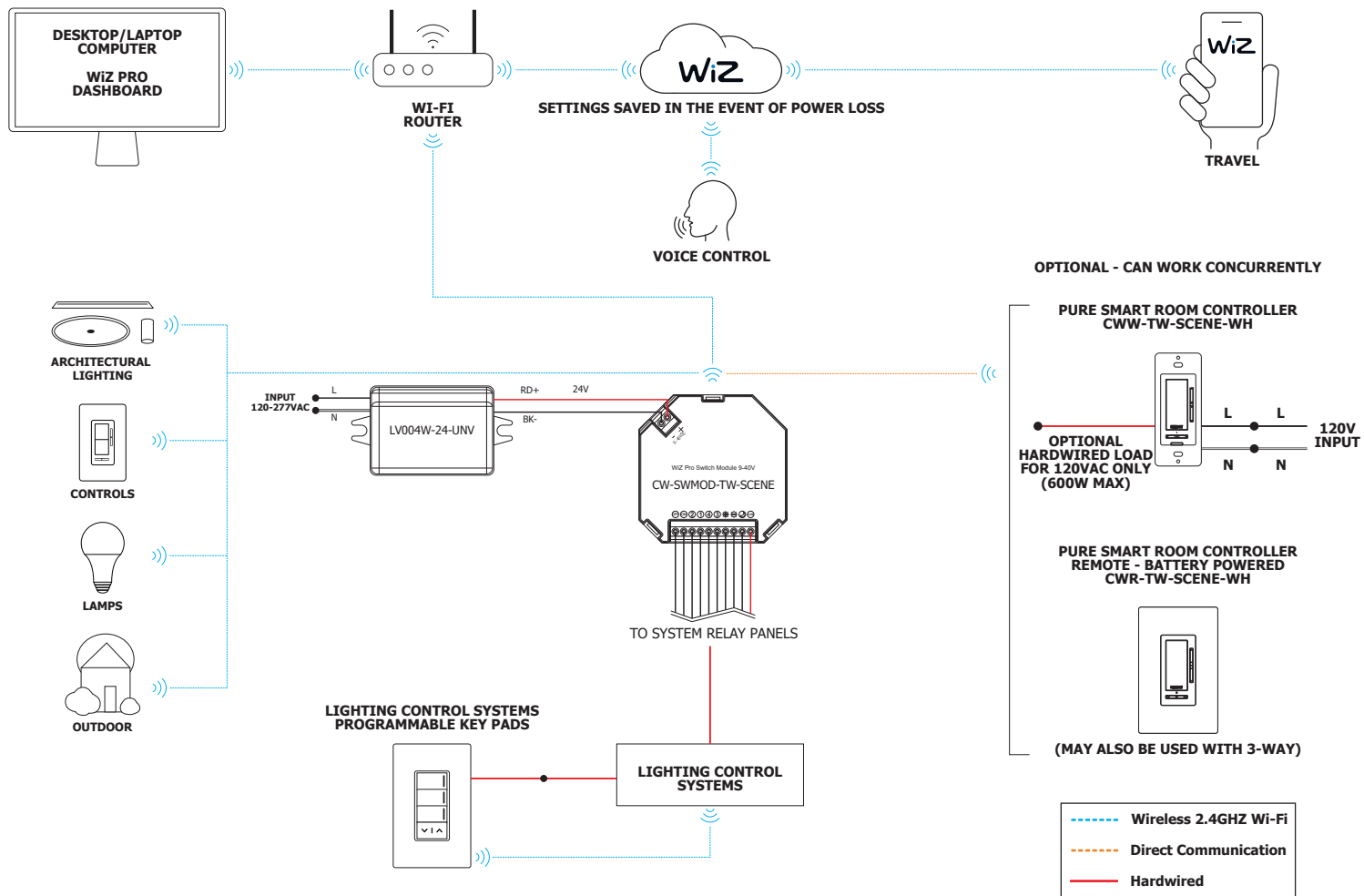
PROJECT		FIXTURE TYPE		DATE	
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PURE SMART™ SWITCH MODULE

CONTACT CLOSURE INTERFACE FOR WIZ INTEGRATION IN HOME AUTOMATION SYSTEMS

NETWORK TOPOLOGY & WIRING DIAGRAMS

PURE SMART SWITCH MODULE FOR WIZ PRO



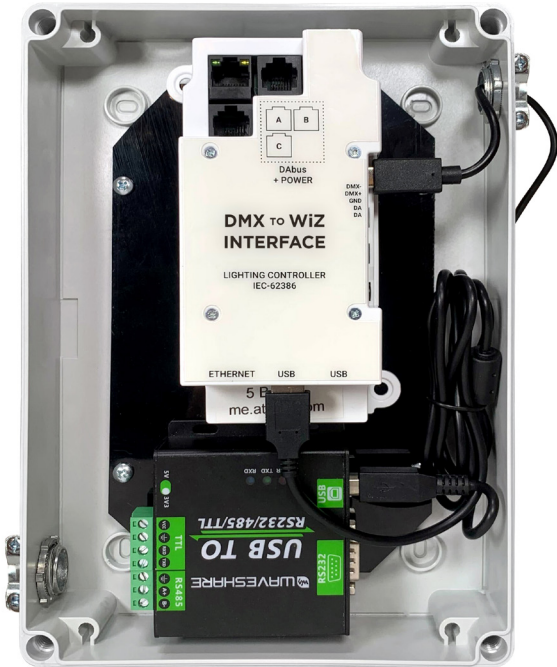
PROJECT		FIXTURE TYPE		DATE	
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DMX TO WIZ INTERFACE

DMX 512 TO WIZ INTERFACING MODULE

ASSEMBLED IN AMERICA

REV 02.24.25



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

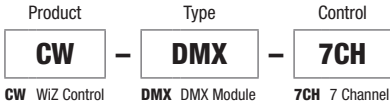
50,000 hours

INSTALLATION

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

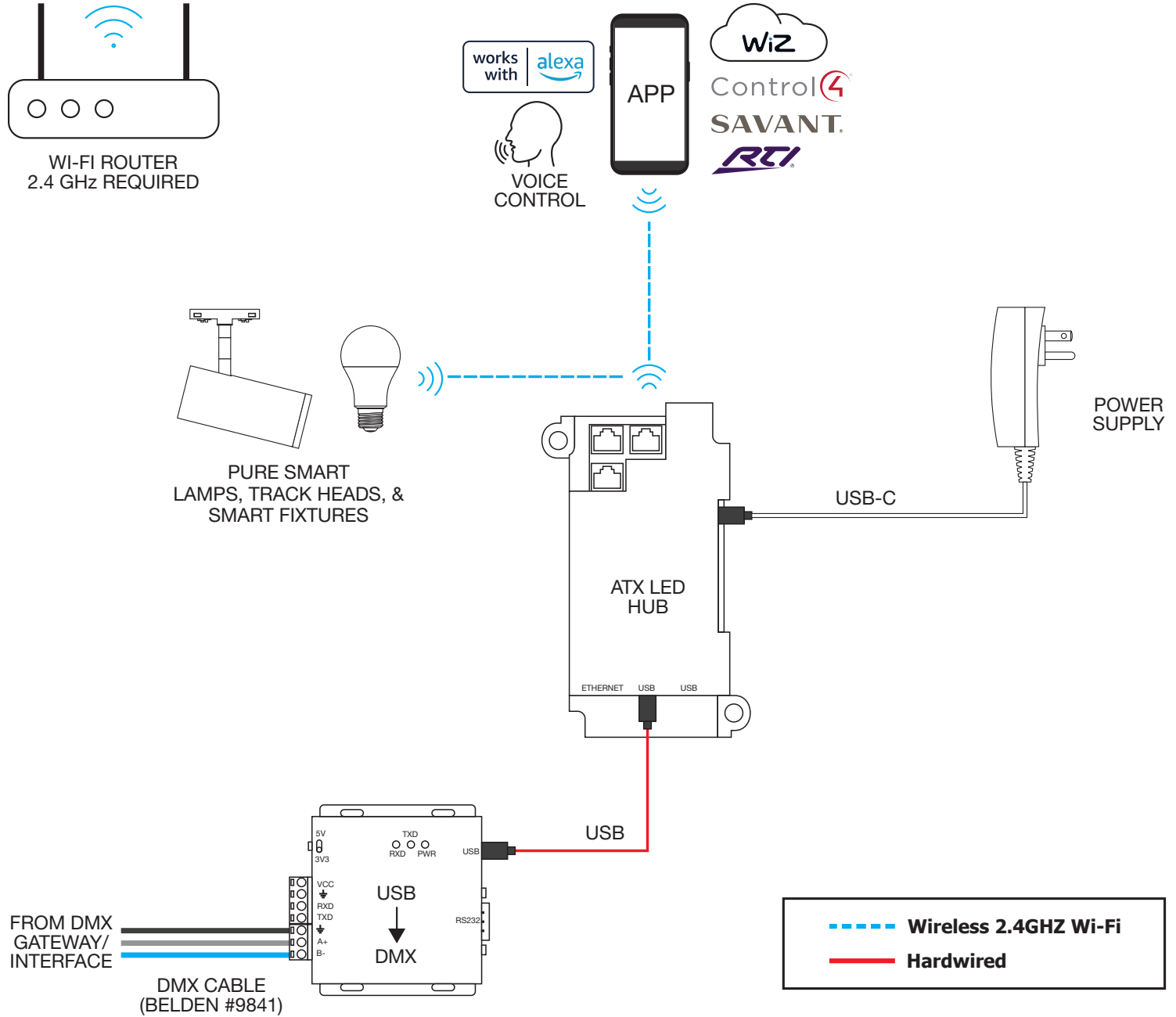
CONNECTIVITY

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



PROJECT		FIXTURE TYPE		DATE	
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NETWORK TOPOLOGY & WIRING DIAGRAMS



LUCA 2.7" TRUCOLOR™ RGBTW 24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

NF-A BEAM SPREAD AURA EFFECT TUNABLE WHITE WITHOUT MIXING FILM, 20% MORE LUMENS

REV 02.24.25



1500K - w/Red Aura Effect



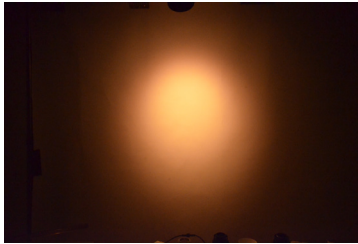
1800K - w/Red Aura Effect



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

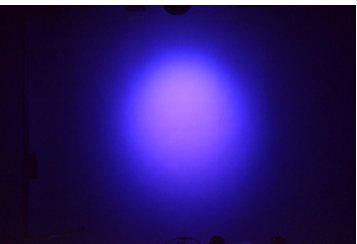
NF-A BEAM SPREAD AURA EFFECT RED, GREEN, BLUE (RGB)



Red - No Aura Effect



Green - No Aura Effect



Blue - No Aura Effect

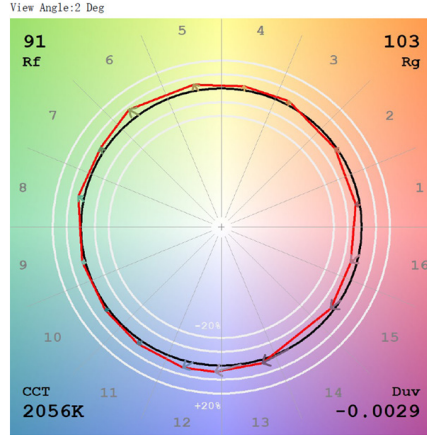
PROJECT		FIXTURE TYPE		DATE	
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TRUCOLOR™ RGB & TUNABLE WHITE

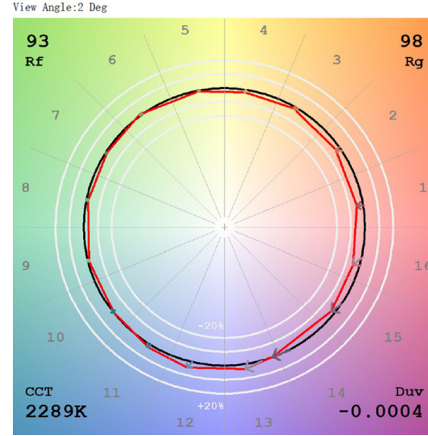
24V CLASS 2, RECESSED FIXED & ADJUSTABLE DOWNLIGHTS

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.

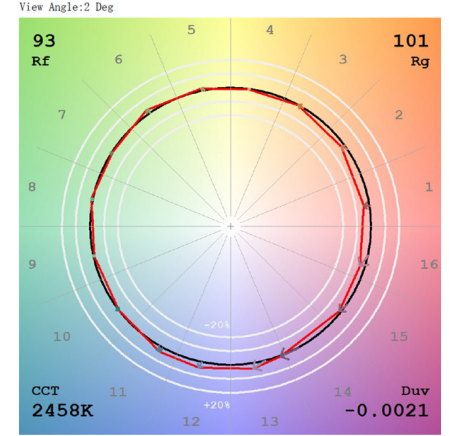
2000K (TruColor™ RGBTW)



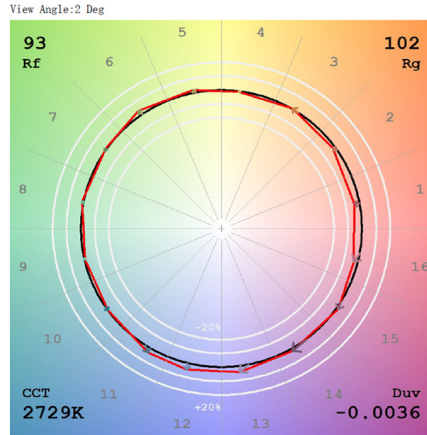
2200K (TruColor™ RGBTW)



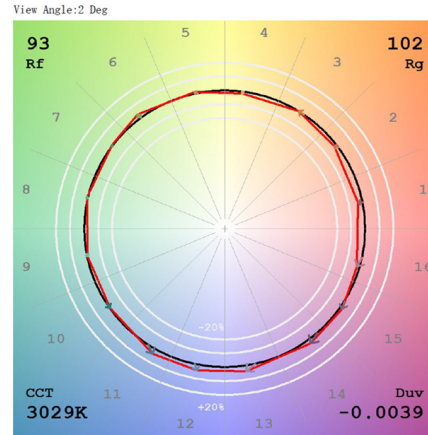
2400K (TruColor™ RGBTW)



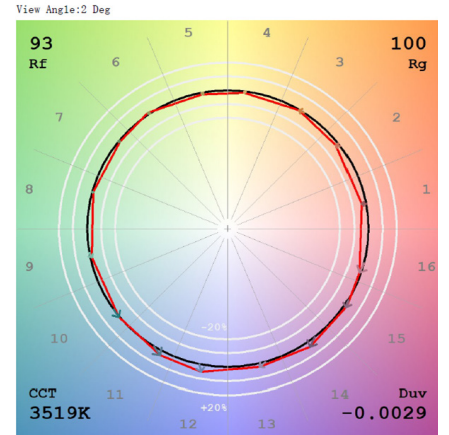
2700K (TruColor™ RGBTW)



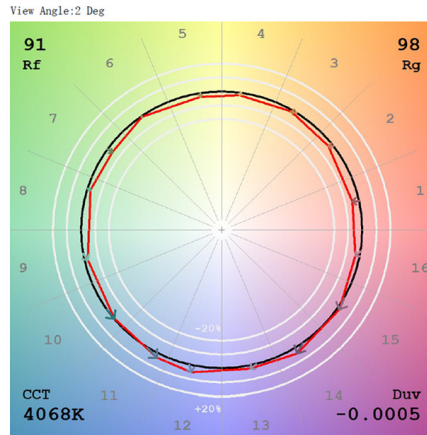
3000K (TruColor™ RGBTW)



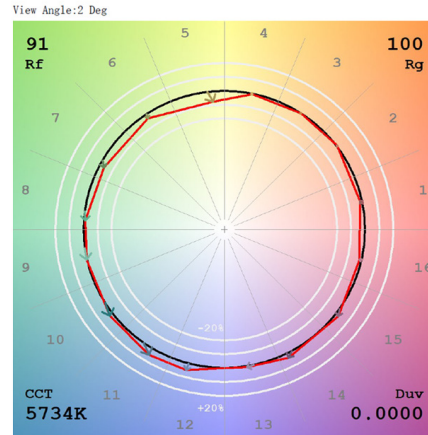
3500K (TruColor™ RGBTW)



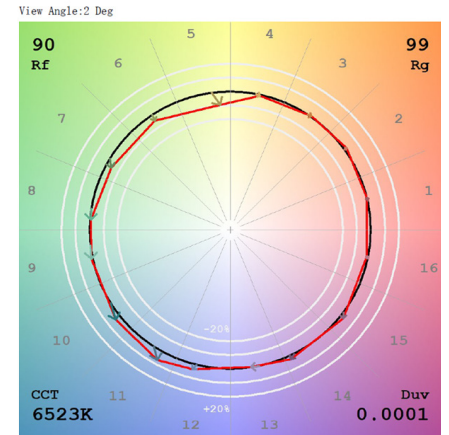
4000K (TruColor™ RGBTW)



5700K (TruColor™ RGBTW)



6500K (TruColor™ RGBTW)



PROJECT		FIXTURE TYPE		DATE	
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