

# **PURE SMART™ PSBB POWER SUPPLY, TUNABLE WHITE** **24VDC, 2 CHANNEL, WITH WI-FI BRIDGEBOX**

ASSEMBLED IN AMERICA

REV 04.16.24



## DESCRIPTION

The Pure Smart™ Wi-Fi PSBB **TW** Power Supply contains a Wi-Fi enabled WiZ Pro Type UR Bridgebox which allows for integration into the WiZ Pro Wireless control ecosystem. No hub required and provides 2 channel control of the Tunable White **TW** light engines (2K6K and 27K6). The WiZ App and Wi-Fi Room Controller from Pure Smart allow for dimming, CCT selection, grouping, scheduling, and the programming of preset and custom scenes. Voice control is available through integration with Amazon Alexa, Google Assistant, Siri Shortcuts, IFTTT, and SmartThings. Communicates via 2.4GHz Wi-Fi only. Accepts an input voltage in a range of 120-277V and outputs 24VDC power up to 96W. Dims down to 5%. Integrated short circuit, overload, and thermal protection. Easily accessible external pushbutton allows for power.

## APPLICATIONS

Indoor, Damp Location

## POWER INPUT

120-277VAC

## POWER OUTPUT

Class 2; 24 volts DC 4A, up to 96 watts maximum

## EFFICIENCY

90%

## AMBIENT OPERATING TEMPERATURE

-25° C to 40° C

## DIMMING CURVE

Linear Dim Curve down to 5%

## WIZ APP

The WiZ app allows control from any mobile device. The app offers CCT and brightness control as well as scene control, dynamic light modes, circadian rhythm, and scheduling. Works with Google Assistant, Amazon Alexa, Siri Shortcuts, IFTTT, and SmartThings. The app and power supplies are tuned to specific PureEdge Tunable White curves, and ranges.

## SMART WALL CONTROLLER (SOLD SEPARATELY)

- [Pure Smart™ WiZ Pro Wi-Fi Controller](#)

Features an ON/OFF buttons, CCT and brightness control rockers, and preset scene selections. Wi-Fi, 2.4 GHz. maximum

- [Pure Smart™ Battery Remote Wi-Fi Controller](#)

## EXTERNAL PUSH BUTTON

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

## SECURITY

3rd party log-in and cloud security provide a safe and protected connection, WiZ does not store nor share any personal information.

## STANDARD MOUNTING

Surface mounted with knock-outs for conduit access





## T-BAR MOUNTING KIT

Includes power supply, box cover, and T-bar hangers for installing Junction Box above ceiling with in easy reach. Comes with 4' of 14 gauge pair Teflon cables with quick secure connectors.

## COMPLIANCE

Made in the USA, ETL, RoHS, CE

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

				
	SPECIFICATIONS			
<b>MAXIMUM LOAD</b>	<b>60W</b>	<b>96W</b>	<b>2X96W</b>	<b>3X96W</b>
<b>INPUT VOLTAGE</b>	120-277VAC	120-277VAC	120-277VAC	120-277VAC
<b>OUTPUT VOLTAGE</b>	24VDC	24VDC	24VDC	24VDC
<b>BRIDGEBOX DIMENSIONS</b>	5.1" X 3.15" X 3.15"	5.1" X 3.15" X 3.15"	5.1" X 3.15" X 3.15"	5.1" X 3.15" X 3.15"
<b>PSBR DIMENSIONS</b>	12.4" X 3.12" X 2.18"	12.4" X 3.12" X 2.18"	14" X 10" X 3"	17" X 13" X 3"
<b>CLASS 2</b>	•	•	•	•
<b>T-BAR MOUNTING</b>	•	•	•	•
<b>T-BAR CHICAGO PLENUM</b>	•	•	•	•

PROJECT		FIXTURE TYPE		DATE	
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# PURE SMART™ Wi-Fi POWER SUPPLY, TUNABLE WHITE

24VDC, 2 CHANNEL, CONNECTED BY WIZ PRO

**Product**  
**PSBB**  
**PSBB** Power Supply with Enclosure Box and Push Button

**Wattage**  
**96W**  
**60W** 60 Watts  
**96W** 96 Watts  
**2X96W** 2x96 Watts  
**3X96W** 3x96 Watts

**Dimming & Controls**  
**WZ**  
**WZ** WiZ Pro Smart System with Bridgebox in Power supply (requires 6 conductors output 24V Class 2 wiring)

**Color Temperature**  
**TW**  
**TW** Tunable White

**System**  
**RL**  
**CG** Ceiling Geometric  
**CH** Chandeliers  
**CL** Ceiling Linear  
**FN** Flex Neon  
**LC** Light Channel  
**LZ** Lazer Line  
**RC** Recessed Circle  
**RV** Recessed Curved  
**RL** Recessed Linear  
**RS** Recessed Square  
**SB** Saber  
**SG** Suspension Geometric  
**SL** Suspension Linear  
**SS** Soft Strip/LED Strip  
**VN** Vanity

**Options**  
**STANDARD**  
**STANDARD** (Leave Blank)  
**TB** T-Bar Grid Ceiling  
**CP\*\*** T-Bar Chicago Plenum  
 \*60W & 96W only  
 \*\*Not available for 3x96

## SYSTEM REFERENCE

SYSTEM	CATEGORY	PRODUCT FAMILIES	SYSTEM	CATEGORY	PRODUCT FAMILIES
<b>CG</b>	Ceiling Geometric	Cirrus MIYO	<b>RS</b>	Recessed Square	TruQuad
		Geo Form	<b>SB</b>	Saber	Saber/Mini Saber
<b>CH</b>	Chandeliers	Pix Stix Cirrus	<b>SG</b>	Suspension Geometric	Cirrus MIYO
		Pix Stix Tie Stix			Nova MIYO
		Pix Stix Zipp			Pipeline MIYO
		Pix Stix Zipp Wave			Zipp MIYO
<b>CL</b>	Ceiling Linear	Cirrus Ceiling	<b>SL</b>	Suspension Linear	Cirrus Suspension
		Glide Ceiling			Glide Suspension
		Nova Ceiling			Nimbus Suspension
		Zipp Ceiling			Nova Suspension
<b>FN</b>	Flex Neon	Flex Neon			Pipeline Suspension
<b>LC</b>	Light Channel	Light Channel Micro Grazer			Zipp Suspension
		Light Channel Recessed Millwork	<b>SS</b>	Soft Strip/LED Strip	LED Strip TW
		Light Channel Surface Mount	<b>VN</b>	Vanity	Audrey
<b>LZ</b>	Lazer Line	Lazer Line			Mirrors
<b>RC</b>	Recessed Circle	TruCirque			Tie Stix
<b>RV</b>	Recessed Curve	TruArch			Twiggy
		TruCurve			
<b>RL</b>	Recessed Linear	Reveal			
		Truline			
		Truline Trim			
		Veil			
		Verge			

**FLEX NEON TIE STRAP**

Use for mounting to poles for extra support, every 6"-12" (30 per package).



Product	Type
<b>SS</b>	<b>ST</b>
SS LED Flex Neon	ST Tie Strap

**DIRECT BURIAL LOCATION CABLE ORDER PER FOOT**

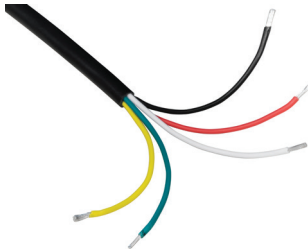
Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



Product	Gauge	Cable
<b>DB</b>	<b>12G</b>	<b>2C</b>
DB Direct Burial	12G 12 Gauge	2C 2 Conductor

**WET AND DAMP LOCATION CABLE ORDER PER FOOT**

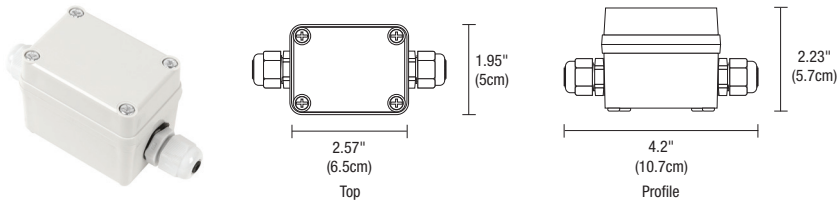
Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.



Product	Gauge	Cable
<b>OC</b>	<b>14G</b>	<b>5C</b>
OC Outdoor Cable	14G 14 Gauge	5C 5 Conductor

### WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



Product	Type	Option
<b>2RE</b>	<b>JBOX</b>	<b>W</b>
2RE 2" Rectangle	JBOX Junction Box	W Wet Location



### RGB OR RGBW WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

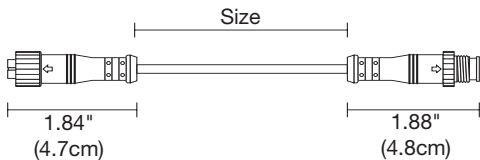
This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" Flexible Cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.

Product	Canopy	Product	Size	Type	Option
<b>SS</b>	<b>2RE</b>	<b>JBOX</b>	<b>6IN</b>	<b>RGBW</b>	<b>W</b>
SS LED Soft Strip Flex Neon	2RE 2" Rectangle	JBOX Junction Box	6IN 6" Four Wire Connection	RGB RGBW	W Wet Location



### RGB OR RGBW POWER CABLE CONNECTOR WET LOCATION

The flexible power cable connector is designed to work in outdoor environments for safe and reliable connections. This Flexible Connector is easy to install and configure, helping you create innovative lighting designs in an outdoor commercial or residential space.



Product	Type	Size	Type	Option
<b>SS</b>	<b>CFX</b>	<b>12IN</b>	<b>RGBW</b>	<b>W</b>
SS Soft Strip and Flex Neon	CFX Flexible 4 Wire Connector	12IN 12" 96IN 96"	RGBW Red, Green, Blue and White	W Wet Location



### WET LOCATION T-CONNECTOR

Our Wet Location T-Connector is a robust rugged design especially suited to withstand the challenges of damp and wet environments. This unique T-Connector has one Male and two Female Connectors and is suitable for multiple indoor and outdoor uses. Versatile design is easy to use, making installation quick and efficient.

Product	Type	Option
<b>SS</b>	<b>TC</b>	<b>W</b>
SS Soft Strip and Flex Neon	TC T-Connector 4 Wire	W Wet Location



# PURE SMART™ Wi-Fi ROOM CONTROLLER

CONNECTED BY WiZ PRO



## 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. For custom quotes and layout assistance, send your drawings and ideas to our design team: [design@PureEdgeLighting.com](mailto: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.

## EASY INSTALLATION

The Pure Smart™ Wi-Fi Room Controller installs just like a traditional dimmer. Compatible with standard gangable boxes. Requires neutral wire. No Hub Required.

## 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

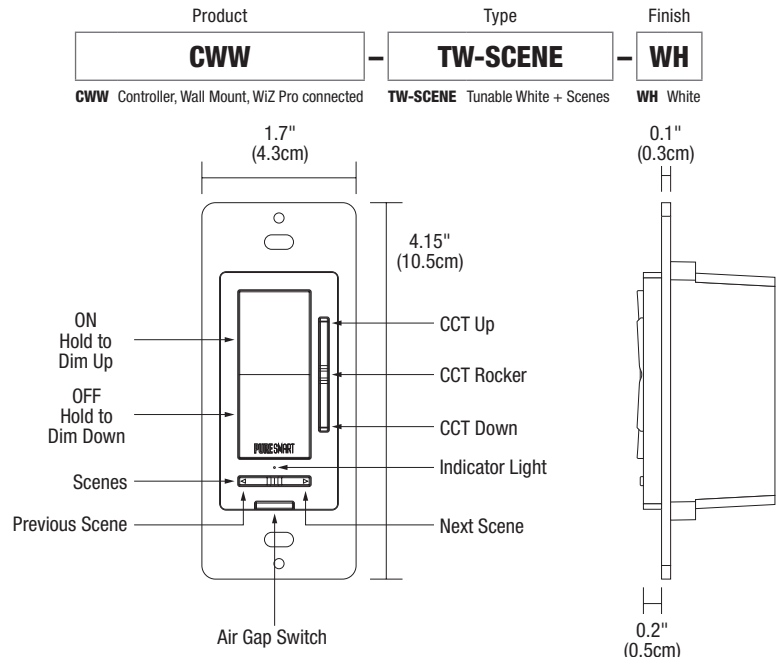
Durable polycarbonate body, compatible with decorator style wall plate (not included).

## 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	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



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# PURE SMART™ Wi-Fi REMOTE ROOM CONTROLLER

CONNECTED BY WIZ PRO FOR TABLE TOP OR WALL



## 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 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](mailto: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 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.

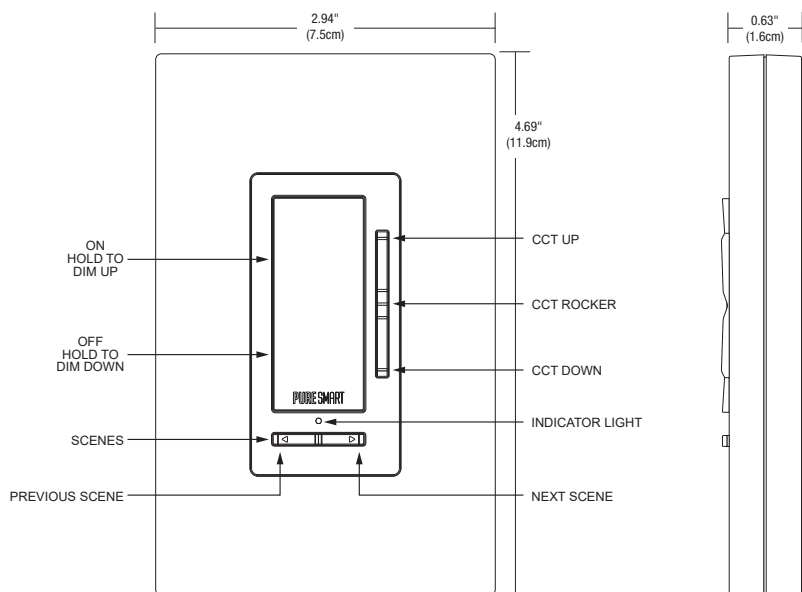
## SECURITY

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
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

Product	Type	Finish
<b>CWR</b>	<b>TW-SCENE</b>	<b>WH</b>
CWR Controller, WiZ Pro connected Remote	TW-SCENE Tunable White + Scenes	WH White

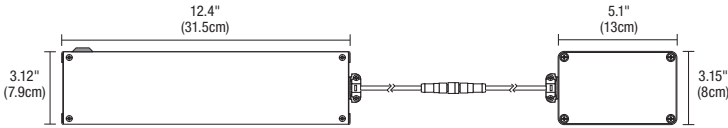


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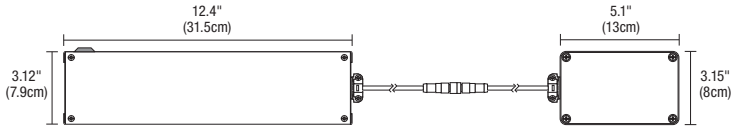


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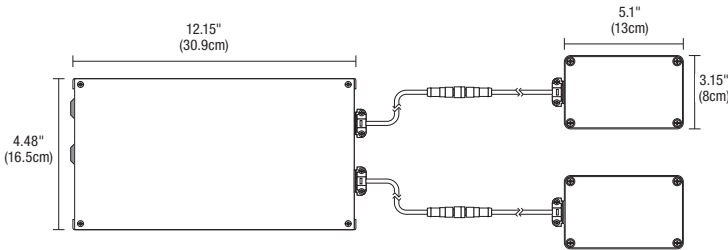
## **60W**



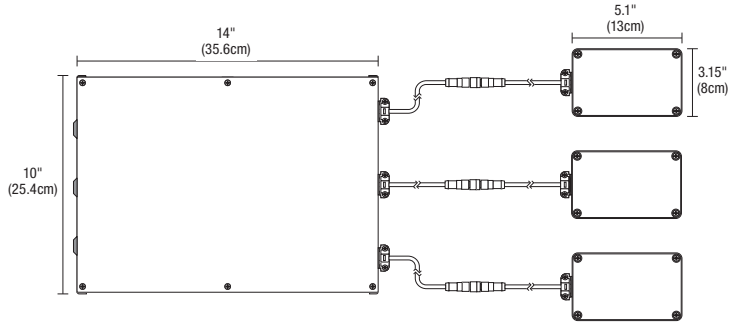
## **96W**



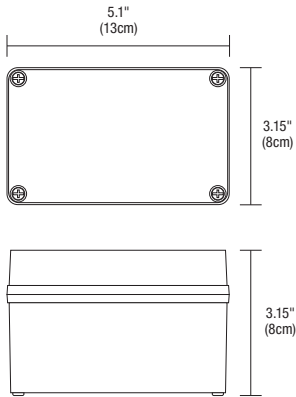
## **2X96W**



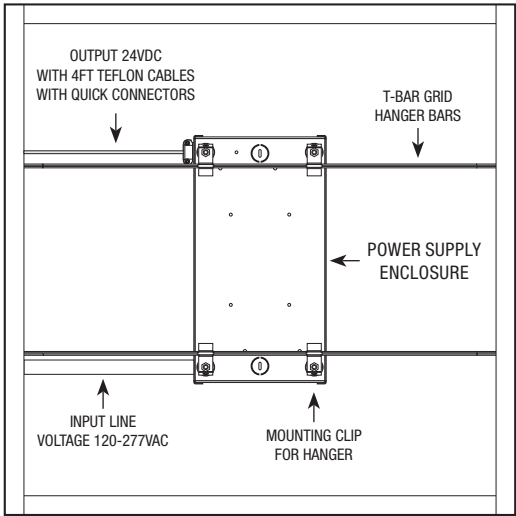
## **3X96W**



## **BRIDGEBOX DETAIL**



## **T-BAR GRID CEILING**



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