

PURE SMART PSBB POWER SUPPLY, TRUCOLOR RGBTW

24VDC, 5 CHANNEL, WITH BRIDGEBOX, OUTDOOR/WET LOCATION, CONNECTED BY WIZ PRO

REV 05.08.25



PSBB-96W-WZ-TC5W5-FN-W

PSBB-96W-WZ-TC5W5-FN-W

DIMENSIONS:

Length: 10"
 Width: 7"
 Height: 3.25"
 Weight: 1.6lbs



PSBB-2X96W-WZ-TC5W5-FN-W

PSBB-2X96W-WZ-TC5W5-FN-W

DIMENSIONS:

Length: 11.875"
 Width: 9"
 Height: 3.5"
 Weight: 2.26lbs

DESCRIPTION

The Pure Smart Wi-Fi PSBB **RGBTW** 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 5 channel full color control of the **TruColor™ RGBTW** Light Engine. The WiZ App, WiZ Pro Dashboard, and Room Controllers (CWW-TW-SCENE-WH and CWR-TW-SCENE-WH) 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 cycling which triggers pairing mode to the connected smart device.

APPLICATIONS

Outdoor wet location LED Strips, Flex Neon, and Surface Mounted Linear Luminaires

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

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 **TruColor™ RGBTW** curves, and ranges.

SMART WALL CONTROLLER (SOLD SEPARATELY)

[Pure Smart™ Wiz Pro Controllers](#)

Features ON/OFF buttons, CCT and brightness control rockers, and four preset/custom scenes programmable in the WiZ app. Communicates via 2.4GHz Wi-Fi only

SECURITY

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

DIMMING CURVE

Linear Dim Curve down to 5%

STANDARD MOUNTING

Surface mounted with knock outs for conduit access. External push button for easy commissioning of connected luminaire.

EXTERNAL PUSH BUTTON

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

COMPLIANCE

Made in the USA, ETL, RoHS, CE

Product	Wattage	Control	Type	System*	Option
PSBB	96W	WZ	TC5W7	FN	W
PSBB Power Supply	96W 96 Watts 2X96W 2x96 Watts	WZ Wiz Pro	TC5W5 TruColor™ 5 watts RGB & 5 watts Tunable White TC5W7 TruColor™ 5 watts RGB & 7 watts Tunable White TC5W10 TruColor™ 5 watts RGB & 10 watts Tunable White	CL Ceiling Linear FN Flex Neon SB Saber SS Soft/Stamp/LED Strip	W Wet Location

*System Reference on next page

PROJECT		FIXTURE TYPE		DATE	
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SYSTEM REFERENCE

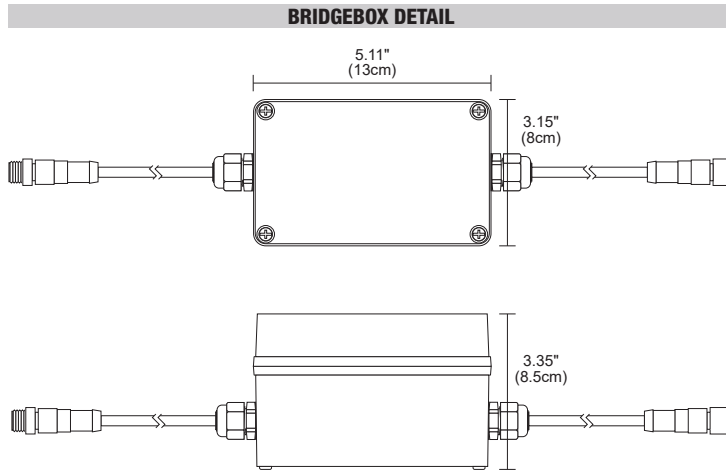
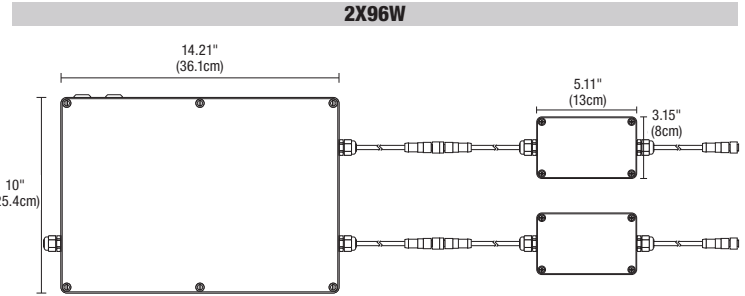
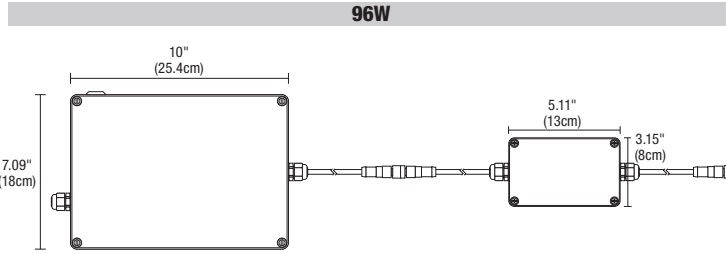
SYSTEM	CATEGORY	PRODUCT FAMILIES
CL	Ceiling Linear	Cirrus Ceiling Grazer Outdoor/Wet Location
FN	Flex Neon	Flex Neon
SB	Saber	Saber
SS	LED Strip	TruColor™ RGBTW Strip Outdoor/Wet Location

RECOMMENDED AWG (STRANDED) FOR VOLTAGE DROP

Length from Power Supply to Fixture	40 Watt Load	60 Watt Load	96 Watt Load	Length from Power Supply to Fixture	40 Watt Load	60 Watt Load	96 Watt Load
10 ft	22 AWG	22 AWG	18 AWG	40 ft	18 AWG	16 AWG	14 AWG
15 ft	22 AWG	22 AWG	18 AWG	45 ft	16 AWG	16 AWG	12 AWG
20 ft	18 AWG	18 AWG	16 AWG	50 ft	16 AWG	14 AWG	12 AWG
25 ft	18 AWG	18 AWG	16 AWG	60 ft	16 AWG	14 AWG	12 AWG
30 ft	18 AWG	18 AWG	14 AWG	70 ft	14 AWG	14 AWG	12 AWG
35 ft	18 AWG	16 AWG	14 AWG	80 ft	14 AWG	12 AWG	12 AWG

6 CONDUCTOR CABLES

INDOOR CABLE - 6 CONDUCTOR		OUTDOOR CABLE - 6 CONDUCTOR	
AWG Wire Gauge	Part Number	AWG Wire Gauge	Part Number
22 Gauge	IC-22G-6C	18 Gauge	OC-18G-6C
18 Gauge	IC-18G-6C	16 Gauge	OC-16G-6C
16 Gauge	IC-16G-6C	14 Gauge	OC-14G-6C
14 Gauge	IC-14G-7C	12 Gauge	OC-12G-6C
12 Gauge	IC-12G-7C		



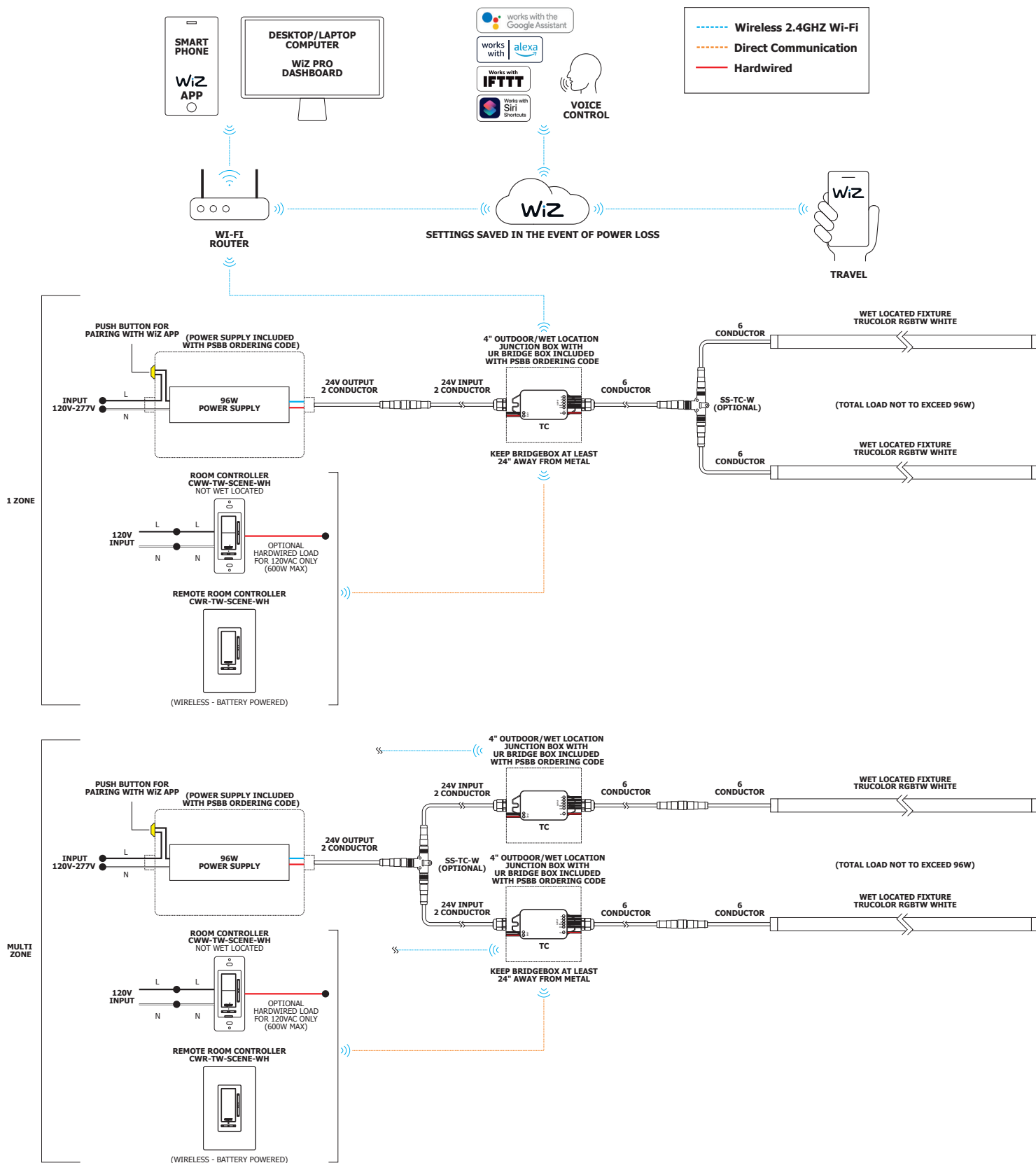
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Application: Smart Dimming for RGB+Tunable White LED Strips/Fixtures



PROJECT		FIXTURE TYPE		DATE	
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PURE SMART™ Wi-Fi 120V 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. 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.

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. 120V power is all that is needed. Switch leg is optional for CWW-TW-SCENE-WH. This is also offered in a completely wireless version (See Pure Smart Remote Room Controller CWR-TW-SCENE-WH). 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).

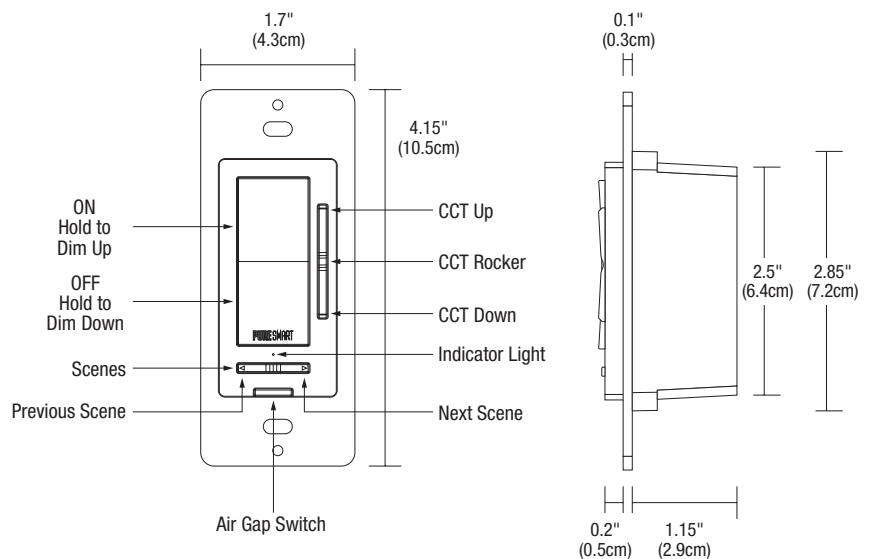
SECURITY

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

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



PROJECT	FIXTURE TYPE	DATE
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PURE SMART™ Wi-Fi REMOTE ROOM CONTROLLER

CONNECTED BY WIZ PRO FOR TABLE TOP OR WALL, BATTERY OPERATED



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.

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
CWR	TW-SCENE	WH
CWR Controller, WiZ Pro connected Remote	TW-SCENE Tunable White + Scenes	WH White

