

BBR-LV Low Voltage Controller

LED drivers with 0-10V dim-to-off circuit

Lights supplied pre-2021

BBR-LV

Patent Pending

1-Color input
from LED driver.

Conversion to
2-Color output
to LED modules.

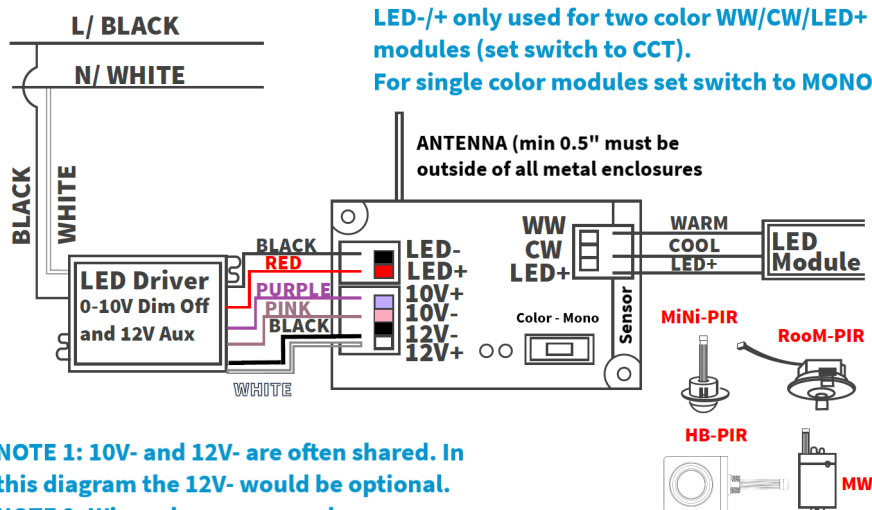
12V DC
receptacle for
motion/daylight
sensor input

0-10V control
wire input from
LED driver and
12V DC power
input from
driver auxiliary
or other (XeR).

Reset button
returns to
default
software
settings.

Status LED
indicates when
controller in
communications

Color / Mono
indicates to App
whether white-
tunable or one
color



DESCRIPTION

The BLU BRIDGE™ BBR-LV low voltage controller is a wireless control device that can be used with newer dim-to-off style LED drivers. It features a sturdy polycarbonate housing with magnetic backing for easy placement within wiring channels. Convenient poke-thru receptacles can accommodate 16-20AWG wires. The left side of the controller features inputs received from LED driver. For drivers without 12V auxiliary output an XeR™ transformer will be required. The BBR-LV can convert standard single-color LED input to two-color LED output for white-tunable control. If conversion is not required, then the Driver LED inputs are not used. A 2 FT wireless antenna is provided. At least 0.5 inch should remain outside of metal enclosures. A 12V DC receptacle is offered for motion/daylight sensor plug-in.

A Reset button is offered to return the BBR-LV to default software settings. The LED Status indicator light will turn on when the BBR-LV is receiving and sending wireless information. The Color-Mono switch is provided to inform the SMART BLU® CLOUD App that the light controlled is either white-tunable or mono-colored.

SPECIFICATIONS

Injection Moulded Housing	Polycarbonate
Fire Rating	UL94 V0
Safety Rating	UL/CUL VDE
Input Power	12V DC
Max Output Power in Mono Mode	Unlimited
Max Output Power in Color Mode	50V DC 2.2A
Max Wire Length to Furthest Driver	> 100 FT
0-10V Circuit Maximum Current	50 mA
Wireless Antenna Length	2 FT
Poke-thru Connector Wire Gauge	16-20 AWG
Dimensions	3" L x 1.8" W x 0.875" D
Warranty	5 Years

Visit www.blu-ecosystem.com for more information.

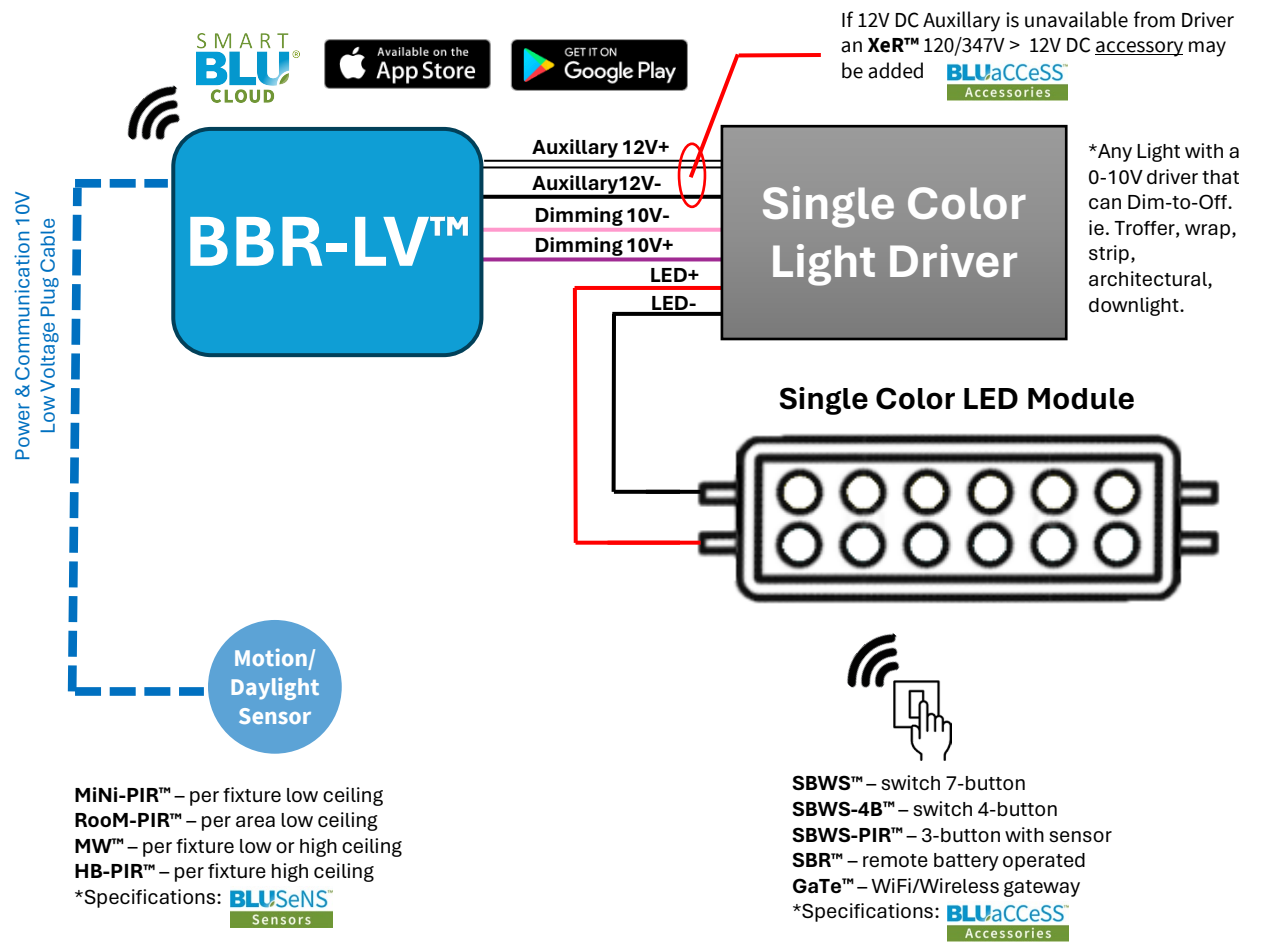
SIMPLE. AFFORDABLE. EFFECTIVE.



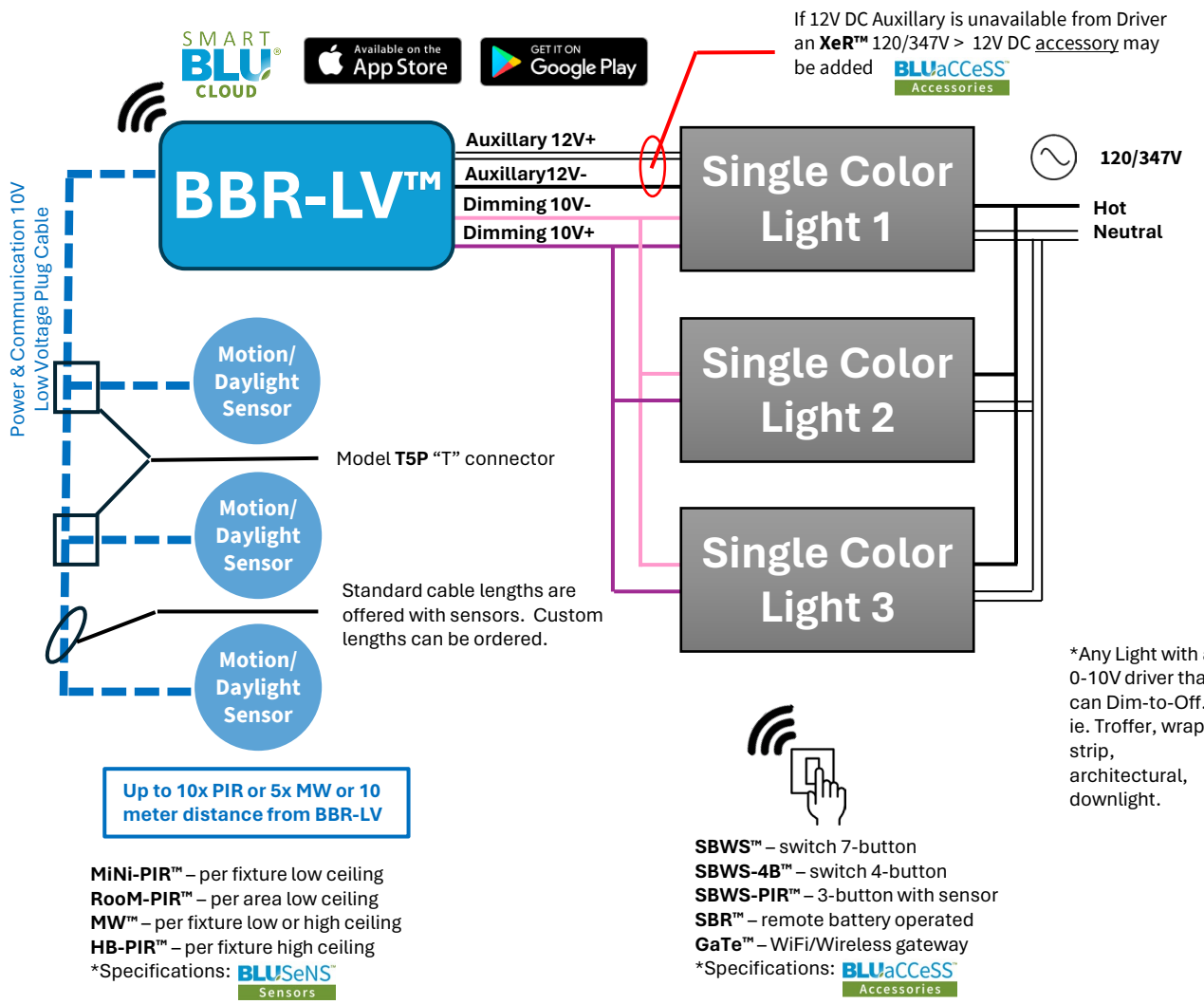
Typical Wiring Schematics for 0-10V Dim-to-Off Low Voltage Controller

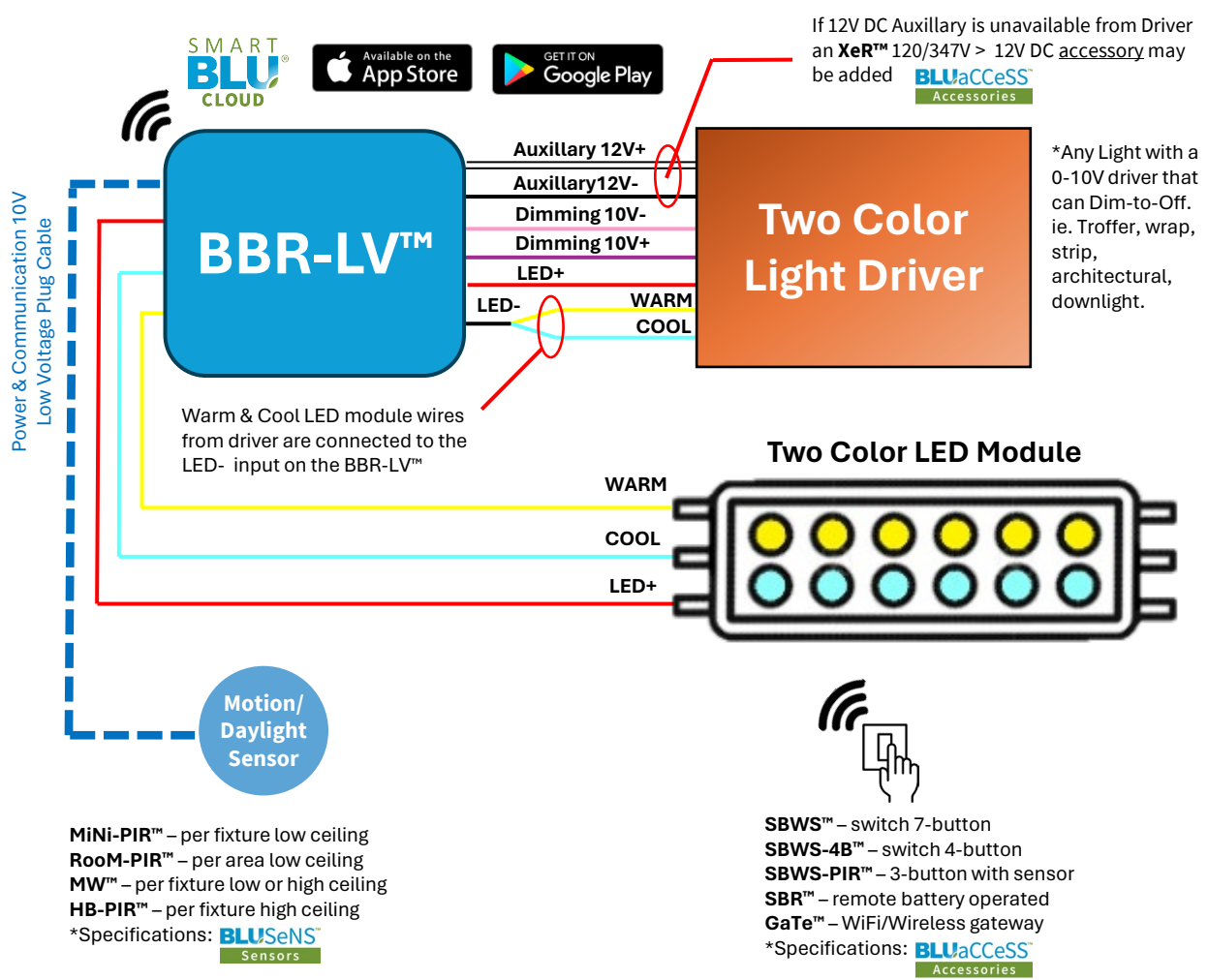
Patent Pending

1. BBR-LV for single color control with single color driver.



2. BBR-LV for single color control for multiple single color lights.





INTRODUCTION

The XeR™ is a 120/347VAC to 12V DC mini autotransformer. It is rated to 4.8W maximum input and 3.0W maximum output. This accessory is required when 12V DC auxillary power is not available from LED drivers. The XeR™ can be used in combination with the RTC™ Real Time Clock or the BBR-LV BLU BRIDGe™ Low Voltage controller. This product is cULus safety listed.



Visit www.blu-ecosystem.com for more information.

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