

BBR-HV High Voltage Controller

LED drivers with 0-10V dim-to-low circuit
Lights supplied pre-2021

DESCRIPTION

The BLU BRIDGE™ BBR-HV 120/347V universal high voltage controller is a wireless control device that can be used with older dim-to-low style LED drivers. It features a sturdy polycarbonate housing with magnetic backing for easy placement within wiring channels. Convenient threaded nipple with locknut fits standard fixture 7/8" knockouts to allow for external mounting to the fixture electrical junction box or wiring channel. The BBR-HV has 2 x 18 AWG input wires for building line voltage and a single 18 AWG relay-controlled output wire to switch the LED on and off. The remaining 2x 18 AWG wires are used to control the LED driver 0-10V DC dimming circuit. 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-HV to default software settings. The LED Status indicator light will turn on when the BBR-HV is receiving and sending wireless information. BBR-HV controlled lights may be programmed using the SMART BLU™ CLOUD App.

BBR-HV

5 wires handle 120/347V input with on/off relay control along with 0-10V dimming; 10" length

Threaded nipple with locknut to fit common light fixture knockout

24" wireless antenna; minimum 0.5" must be outside of all metal enclosures

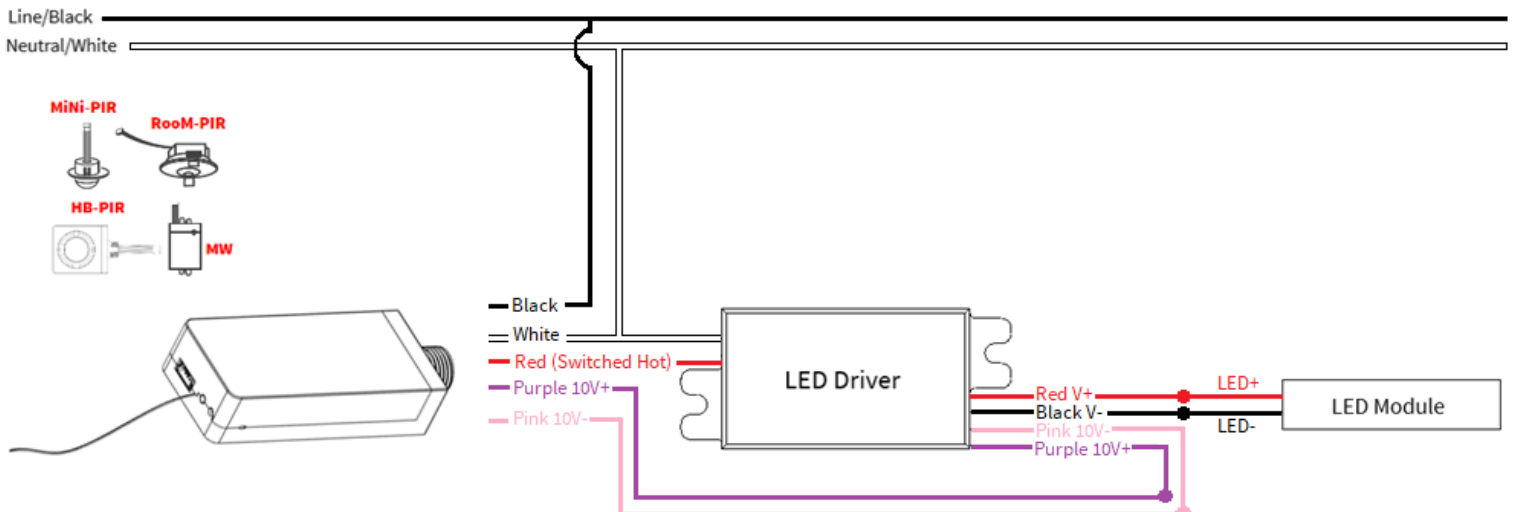
Sensor 5-pin plug-in port

Status LED indicates when controller in communications

Reset button returns to default software settings.

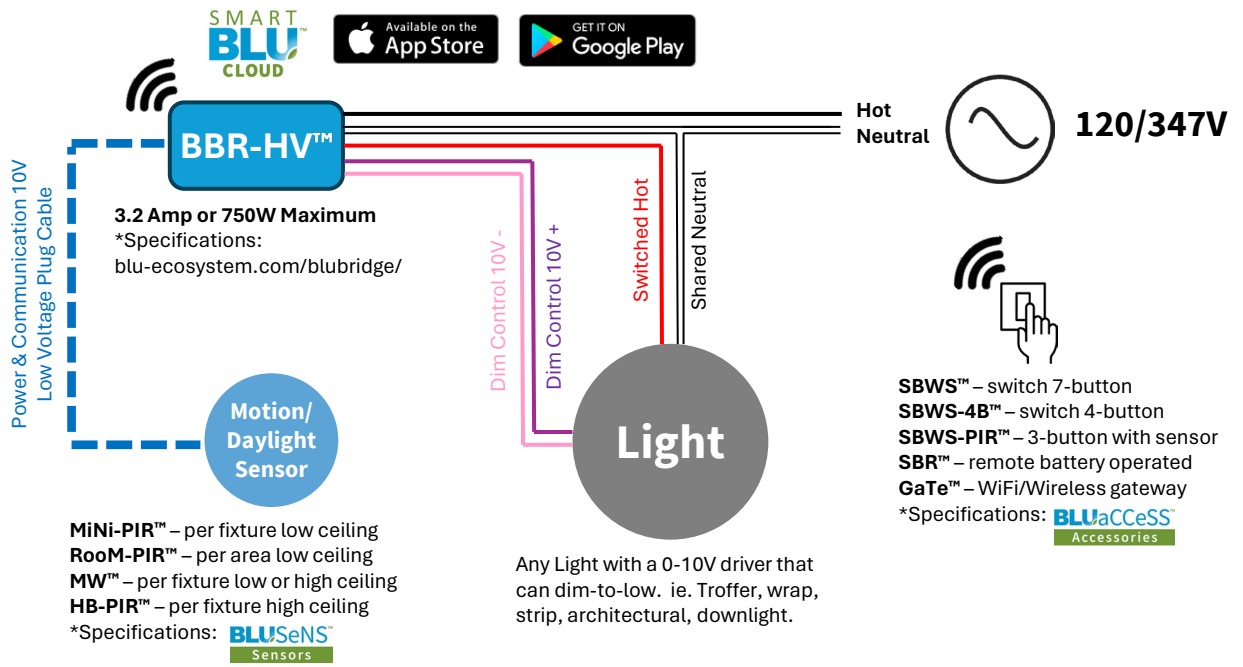
SPECIFICATIONS

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Injection Moulded Housing	Polycarbonate
Fire Rating	UL94 5VA
Safety Rating	cCSA _{UL}
Input Voltage & Power	120-347V AC, 50/60Hz, 750W
Input Current / Output Current	3.2A Max / 3.2A Max
Output Voltage	120-347V AC
Operating Temperature	-40°C to 45°C
2 Input Wires & 3 Output Wires	UL1015 600V 18AWG
Max Wire Length to Furthest Driver	> 100 ft
0-10V Circuit Maximum Current	50 mA
Wireless Antenna Length	2 FT
Dimensions	3" L x 1.8" W x 0.875" D
Warranty	5 Years



Typical Wiring Schematics for BBR-HV 0-10V Dim-to-Low Controller

1. BBR-HV per Light with single motion/daylight sensor:



2. BBR-HV per multiple Lights with motion/daylight sensors:

