

High Output Modules For Wall Pack or Similar Exterior Applications

Features and Benefits

- Specifically designed to retrofit legacy HID Wall Pack luminaire housings available on the market
- Replaces 150W metal halide and HPS delivering similar foot candles and appearance with superior CRI
- Built-in dual circuit for emergency battery operation and/or two-step dimming with multiple drivers
- Module valence holes hide wiring for “finished” appearance
- Mounting holes for thermal transfer and simple installation
- Compatible with off-the-shelf 1050mA LED drivers
- Latest generation LED for high efficacy and color consistency
- Pre-wired pigtails are mechanically robust and reduce labor
- Protective conformal (transparent) coating for exterior applications



BB66WA SERIES

Compatible LED Drivers

Recommended Maximum DC Input Current to Module 1050mA
 Typical DC input Voltage to Module See Table 1

Ratings and Performance Specifications

Nominal DC Power Consumption See Table 1
 Recommended Screw Installation Torque 75 inch ounces
 Maximum Operating Range Ambient Temperature (Ta) -40 to +50°C
 Maximum Solder Pad Temperature (Ts) +105°C
 Estimated Lumen Depreciation (TM-21) ...70% initial lumens (L70) @ 100,000 hours
 Nominal Weight 55 and 80 grams
 Safety/Compliance UL Class 2 Recognized Component E321468

Application Notes

1. The use of any washer (lock, flat, etc.), will void the warranty due to possible damage and/or shorting of LED and/or circuit board.
2. This module requires heatsinking at full power. The luminaire design should allow heat to escape the system. Forzlux provides thermal testing of light engines in the luminaire for OEM customers to ensure long life and compliance with warranty.
3. Abnormal operating conditions such as elevated ambient temperatures can negatively impact lumen output, product lifetime and/or performance.

Physical Dimensions

Module has split circuits, center LEDs and LEDs at both ends of PCB, for full power use 1050mA driver.
 For split circuit or BBU emergency circuit use 700mA driver for center section, 350mA driver for end circuits.

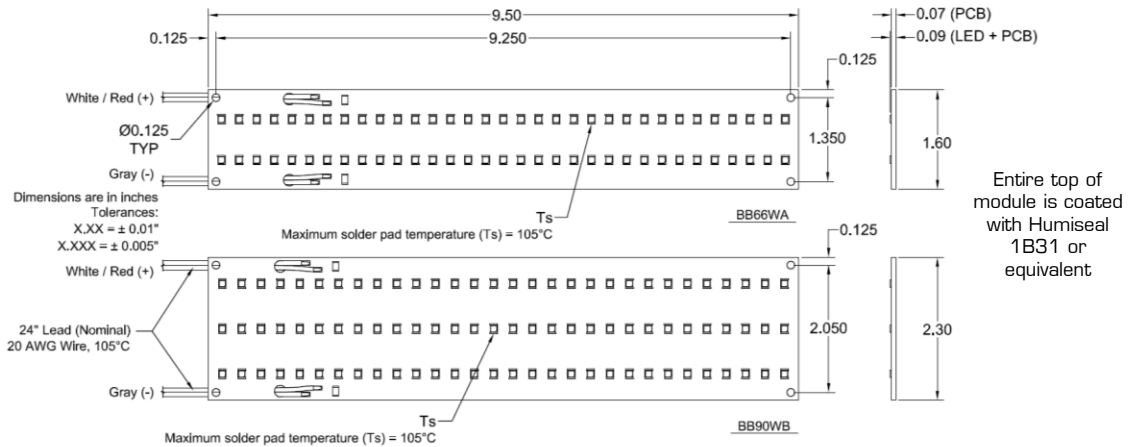


Table 1, Performance Characteristics at 25°C

Data from laboratory test measurements, actual results may vary.

Part Number	Legacy Wallpack Luminaire Width (in)	Aluminum Heatsink Area (in ²)	Nominal CCT (Kelvin)	Nominal Light Output @ 1050mA (Lumens)	Nominal Voltage @ 1050mA (VDC)	Nominal Power Consumption (WDC)	Nominal Module Efficacy (DC LPW)
BB66WA-20-80-01	12-14	450	2000	80	3,710	36	104
BB66WA-30-80-01	12-14	450	3000	80	4,851	36	135
BB66WA-35-80-01	12-14	450	3500	80	4,972	36	139
BB66WA-40-80-01	12-14	450	4000	80	4,972	36	139
BB66WA-50-80-01	12-14	450	5000	80	5,277	36	147
BB90WB-20-80-01	15-19	750	2000	80	5,060	47	104
BB90WB-30-80-01	15-19	750	3000	80	6,615	47	135
BB90WB-35-80-01	15-19	750	3500	80	6,781	47	139
BB90WB-40-80-01	15-19	750	4000	80	6,781	47	139
BB90WB-50-80-01	15-19	750	5000	80	7,195	47	147

Packaging

Product is marked with SKU and lot information on non-LED side of module.
 Sold in groups of (7) BB66WA, (5) BB90WB, packaged in ESD bags with lot information.

Warranty

5-Year limited warranty in accordance with published warranty conditions. Product must be used with compatible components (modules, drivers, engines and/or accessories) and no maximum ratings (such as Ts) shall be exceeded during any operating conditions of the system. If product is used with other manufacturer's product, compatibility must be recognized in writing by Forzlux.

Forzlux owns the following United States patents of which may be applicable to the design or manufacture of this product: 6712486, 6578986, 6846093, 7114831, 7306353, 7102172, 7108396, 7329024, 7387406, 7582911, 7649327, 8926145, 8729810. Additional granted patents, patents pending and other IP protection rights may apply.