

## Small Linear Format High Output Module For a Variety of Applications

### Features and Benefits

- 0.44" x 5.7" intensely concentrated light source for commercial or decorative wall pack, bollard, step and high-end architectural luminaires
- **TFA (Turtle Friendly Amber)** version is AlInGaP LED with narrow wavelength, Florida Wildlife Commission (FWC) compliant
- Pre-wired 12" pigtails are mechanically robust and reduce labor
- Protective conformal (transparent) coating for exterior applications
- Includes mounting holes and 3M 468MP peel & stick tape
- Compatible with Forzlux drivers:
  - PS14-350C-DUALDIM-UNV-PP for whites
    - 120-277VAC, ELV/triac/0-10V dim
  - PS6-350C-DUALDIM-UNV-PP-**250MA** for all colors
    - 120-277VAC, ELV/triac/0-10V dim



**BB12TB SERIES**

### Compatible LED Drivers

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

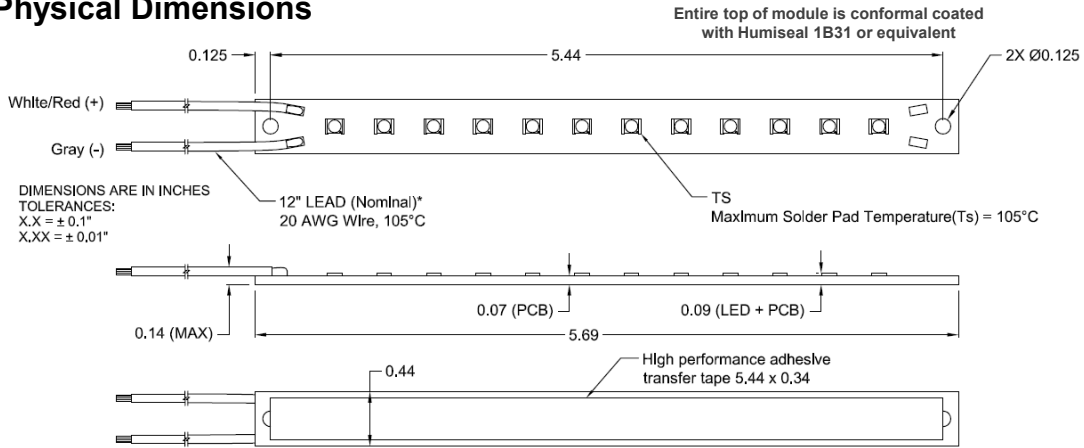
### Ratings and Performance Specifications

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 .....	15 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



**Table 1, Performance Characteristics at 25°C**

Data from laboratory test measurements, actual results may vary.

Part Number	Typical	Min	Max	Typical	Typical	Typical Lumens	Efficacy (DC LPW)
	CCT/DWL (Kelvin/nm)		Current (ADC)	VF (VDC)	Power (WDC)		
BB12TB-20-80-01	2000	80	0.35	18.0	6.30	700	111
BB12TB-25-80-01	2500	80	0.35	18.0	6.30	840	133
BB12TB-27-80-01	2700	80	0.35	18.0	6.30	994	158
BB12TB-30-80-01	3000	80	0.35	18.0	6.30	1035	164
BB12TB-35-80-01	3500	80	0.35	18.0	6.30	1060	168
BB12TB-40-80-01	4000	80	0.35	18.0	6.30	1065	169
BB12TB-50-80-01	5000	80	0.35	18.0	6.30	1110	176
BB12TB-65-80-01	6500	80	0.35	18.0	6.30	1080	171
BB12TB-TFA-01	595	n/a	0.25	13.2	3.30	258	78
BB12TB-RED-01	622	n/a	0.25	13.2	3.30	228	69
BB12TB-GREEN-01	527	n/a	0.25	20.4	5.10	435	85
BB12TB-BLUE-01	470	n/a	0.25	18.0	4.50	120	27

## Options and Packaging

90CRI minimum versions on special order, subtract 14% lumens

Sold in groups of (40) unit(s) and packaged in ESD bags with SKU and 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 Forflux.

Forflux 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.