

## Large Format High Output Module For Sconce and Close-to-Ceiling Applications

### Features & Benefits

- 4x6" rectangular design provides even illumination
- Ideal for ADA, commercial or decorative luminaires: close to ceiling, drums, pendants, sconces, etc.
- LED spacing optimized to provide continuous illumination when using frosted or opaque lens
- 90 CRI version meets California Title 24, 80 CRI meets DLC
- Scalable design allows up to 40 LED to meet specific project or application power or lumen requirements
- Requires no heatsink at 40°C ambient in most luminaires
- Lumens/power can be doubled for exterior applications up to 50°C with proper heatsink, consult factory
- Two different wiring options for compatibility with heatsinks
- Compatible with Permlight PS12 and PS18 series drivers



BB40JT Series

### Compatible LED Drivers or Modules

Recommended Maximum DC Input Current to Module ..... 350mA  
 Typical DC input Voltage to Module..... 30V

### Ratings and Performance Specifications

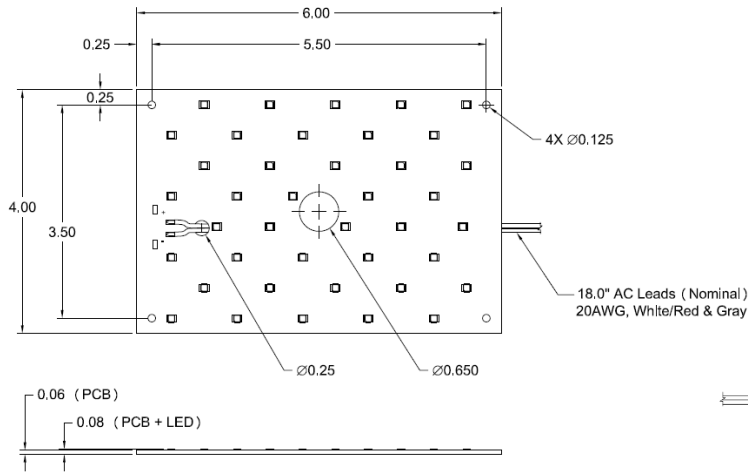
Nominal Power Consumption @ 120VAC ..... See Table I  
 Recommended Screw Installation Torque ..... 75 inch ounces  
 Maximum Operating Range Ambient Temperature (Ta) ..... -40 to +40°C  
 Maximum Solder Pad Temperature (Ts) ..... +105°C  
 Estimated Lumen Depreciation (TM-21) ..... 70% initial lumens (L70) @ 100,000 hours  
 Nominal Weight ..... 150 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 to the circuit board.
2. Although module is designed with an integrated heat sink, care should be taken in luminaire design to allow heat to escape. Contact factory for thermal guidelines.
3. Abnormal operating conditions such as elevated ambient temperatures can be expected to negatively impact lumen output, product lifetime and/or performance.

# BB40JT Series

## Physical Dimensions



Dimensions in inches

Tolerances:

X.X = ± 0.1"

X.XX = ± 0.01"

X.XXX = ± 0.005"

-01 wiring configuration

-02 wiring configuration

## Table 1, Performance Characteristics at 25C

Data from laboratory test measurements, actual results may vary (-01 and -02 are same)

Part Number	Nominal CCT (Kelvin)	Minimum CRI	Nominal Light Output @350mA (Lumens)	Nominal Power Consumption	Nominal Module Efficacy
				@ 350mA (WDC)	@ 350mA (DC LPW)
BB40JT-27-80-01	2700	80	1551	10.5	148
BB40JT-30-80-01	3000	80	1615	10.5	154
BB40JT-35-80-01	3500	80	1663	10.5	158
BB40JT-40-80-01	4000	80	1690	10.5	161
BB40JT-50-80-01	5000	80	1844	10.5	176

### Options available

-02 wiring configuration

Other power ratings, number of LED, CCT and CRI available on special order

90 CRI minimum available on special order 2700K - 4000K only, subtract 25% lumens

### Packaging

Product is marked with SKU and lot information on non-LED side of module.

Sold in groups of (1) 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 expected operating conditions of the system. If product is used with other manufacturer's product, compatibility must be recognized in writing by Permlight Technologies.

Permlight Technologies owns the following United States patents of which one or more may be applicable to the design and/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.

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