

Round Format Very High Output Module For Directional Area Lighting

Features and Benefits

- 6" diameter LED module up to 7700 lumens where a directed beam is required
- Accepts off-the-shelf Ledil STRADA-2X2 optics
- **TFA (Turtle Friendly Amber)** version is AllnGaP LED with narrow wavelength, Florida Wildlife Commission (FWC) compliant
- BJB 24-18AWG 2-pole connector
- Conformal (transparent) coating for exterior applications
- Compatible with Forzlux drivers:
 - PS50-1050C-DUALDIM-UNV-P
 - PS50-1050C-DUALDIM-UNV-P-700mA
 - For **red**, **green**, and **blue**



Shown with
STRADA-2X2 Optic

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	10-inch pounds
Maximum Operating Range Ambient Temperature (Ta)	-40 to +60°C
Maximum Solder Pad Temperature (Ts)	+105°C
Estimated Lumen Depreciation (TM-21)	70% initial lumens (L70) @ 100,000 hours
Nominal Weight	90 grams
Safety/Compliance UL Class 2 Recognized Component	E321468

Application Notes

1. TRUSS head or similar screw only. 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

16 series LED configuration.

Entire top of module (except connector) is conformal coated with Humiseal 1B31 or equivalent.

Ledil STRADA-2X2 optics not included, use #4 screw/nut and hand tighten.

Mounting holes (7) #6 TRUSS HEAD screws only do NOT use washer.

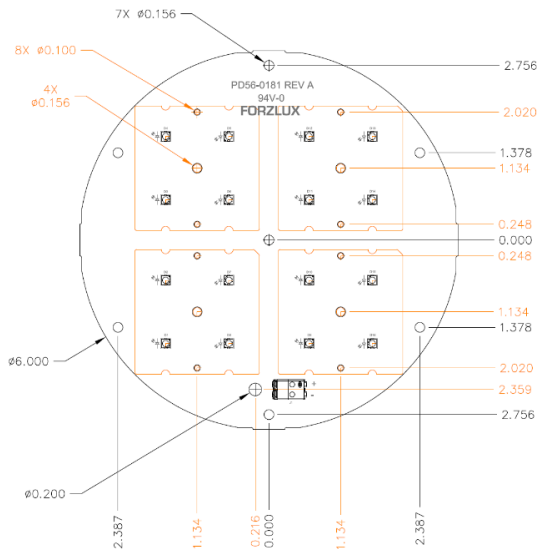


Table 1, Performance Characteristics at 25°C

Data from laboratory test measurements, actual results may vary.

Part Number	Typical CCT/DWL (Kelvin/nm)	Min CRI	Max Current (ADC)	Typical VF (VDC)	Typical Power (WDC)	Typical Lumens	Typical Efficacy (DC LPW)
BB16PT-18-70-01	1800	70	1.050	47.7	50.1	5587	112
BB16PT-20-70-01	2000	70	1.050	47.7	50.1	6053	121
BB16PT-22-80-01	2200	80	1.050	47.2	49.6	6286	127
BB16PT-25-80-01	2500	80	1.050	47.2	49.6	6518	132
BB16PT-27-80-01	2700	80	1.050	47.2	49.6	7093	143
BB16PT-30-80-01	3000	80	1.050	47.2	49.6	7217	146
BB16PT-35-80-01	3500	80	1.050	47.2	49.6	7325	148
BB16PT-40-80-01	4000	80	1.050	47.2	49.6	7558	153
BB16PT-50-80-01	5000	80	1.050	47.2	49.6	7729	156
BB16PT-65-80-01	6500	80	1.050	47.2	49.6	7729	156
BB16PT-TFA-01	595	n/a	1.050	41.6	43.7	3057	70
BB16PT-RED-01	622	n/a	0.700	40.0	28.0	2204	79
BB16PT-GREEN-01	527	n/a	0.700	49.6	34.7	3554	102
BB16PT-BLUE-01	470	n/a	0.700	40.0	28.0	962	34

Options and Packaging

90CRI minimum versions on special order, 83% of 80CRI lumens.

Sold in groups of (4) units 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 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.