



LED MODULES

Cool White, Color Temperature from 5000K to 7000K



High Bright White LED Modules

VLPC0601A2, VLPC1201A2J, VLPC1201A2

KEY FEATURES

- Cool white, color temperature from 5000 K to 7000 K
- Luminous flux of 1740 lm, typical
- Maximum current of 700 mA
- Viewing angle of $\pm 80^\circ$
- Based on Little Star⁺ LEDs
- 6 or 12 LEDs per PCB panel
- IES LM-80-2008 certified for long-term lumen maintenance

BENEFITS

- Three PCB options provide lighting designers with intensity and size flexibility
- Little Star⁺ thermal conductive pads in combination with PCB's copper surface and metal core provide awesome heat dissipation

APPLICATIONS

- Replace fluorescent lights in commercial, industrial and residential applications
- Sign backlighting
- Automotive interior lighting



VLPC0601A2




The VLPC0601A2 features 6 LEDs in a row with 40 mm spacing and provides 870 lm, typical. It is powered by a constant current source of 700 mA and 20 VDC, typical. The PCB is 240 mm x 14 mm.

VLPC1201A2J

The VLPC1201A2J features 12 LEDs in a row with 20 mm spacing, providing 1740 lm, typical. It is powered by a constant current source of 700 mA and 42 VDC. The PCB is 240 mm x 14 mm.

VLPC1201A2

The VLPC1201A2 is simply the –A2J with the jumper removed and the board cut or sawn in half. The result is two PCBs with length of 120 mm and width of 14 mm. The LED spacing is 20 mm and the resulting luminous flux of each board is 870 lm, typical. Each board is powered by a constant current source of 700 mA and 20 VDC, typical. The VLPC1201A2 is shipped unsawn.

Part Number	Luminous Flux at I_{Fmax} Typical (lm)	Forward Voltage Typical (V)	Dimensions (mm)	LED	Forward Current Maximum (mA)
<u>VLPC0601A2</u>	870	20	240 x 14	Little Star ⁺	700
					
<u>VLPC1201A2J</u>	1740	42	240 x 14	Little Star ⁺	700
					
<u>VLPC1201A2</u>	2 x 870	20	120 x 14	Little Star ⁺	700
					

Notes

Forward voltages are tested at a current pulse duration of 1 ms and a tolerance of ± 0.1 V. Luminous flux is measured at a current pulse duration of 25 ms and an accuracy of ± 11 %.

Total luminous flux calculated based on single LED unit.

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