Citi-Electronic

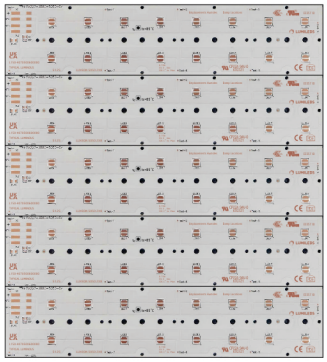
Illumination

PRODUCT DATASHEET

Module - 2B8C 5050 6V

2B8C 5050 6V

High performance LED modules with extreme efficacy for robust lighting designs



2B8C 5050 6V products are LED modules optimized for lighting applications requiring high efficacy LED arrays mounted on a rigid and thermally conductive substrate. These versatile building blocks feature 8, 12 or 16 2B8C 5050 6V Square LEDs on a MCPCB substrate, electrical connectors, and are designed for ease of system integration, faster time to market, and use with industry standard optics. 2B8C 5050 6V is a complete solution when used in combination with standard third party optics and heatsinks.

FEATURES AND BENEFITS

- Efficacy and luminous flux of up to 180lm/W and 5600lm available
- Available CCT/CRI combinations: 70CRI (2200K, 2700K, 3000K and 4000K) and 80CRI (2700K, 3000K and 4000K)
- Superior board level color control of ≤ 3SDCM
- Excellent case to heatsink thermal resistance of 3.5K/W_{th}
- Design compatible with standard third party optics
- Features 2B8C 5050 6V LEDs with industry-leading efficacy and lumens in multi-die, high power package
- 5-year guarantee

PRIMARY APPLICATIONS

- High Bay
- Low Bay
- Urban Streetlights

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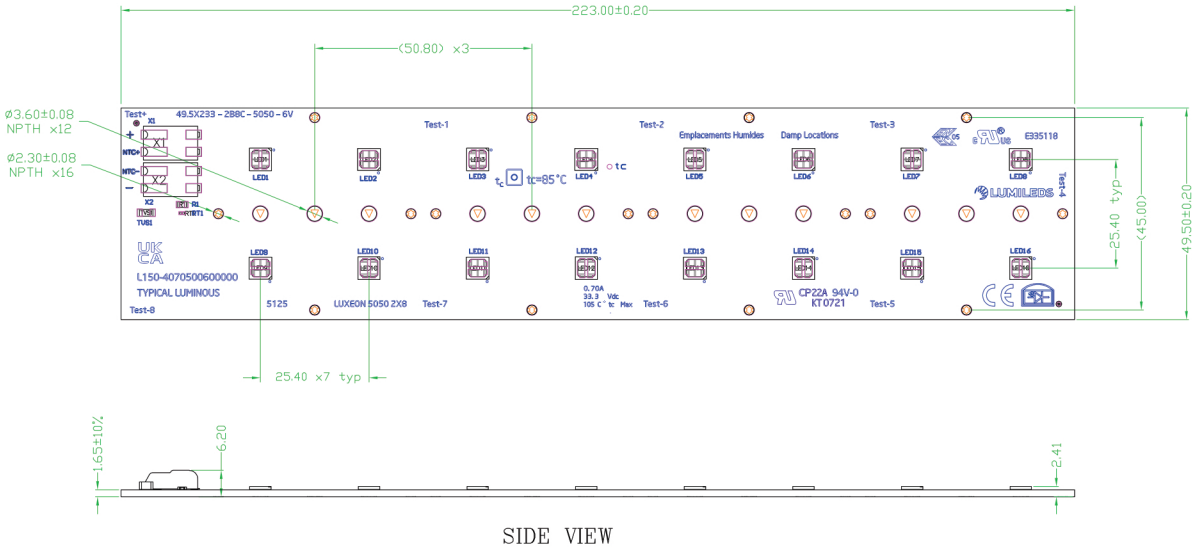

Figure 10 . Mechanical dimensions for L150-xxxx500600000

Notes for Figure 10:
1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. t_c in drawing is the same as T_c.

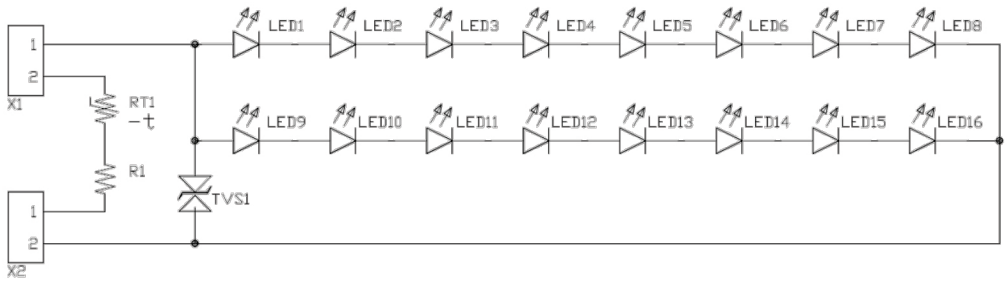

Figure 11 . Electric circuit diagram for L150-xxxx500600000

Table 8 . Bill of Materials for L150-xxxx500600000 .

comPonEnt	Quantity
LED: 2B8C 5050 6V Square LES	16
PCB: MCPCB	1
2-pole Connectors	2
Thermistor 15kΩ	1
Resistor 2kΩ	1
Diode	1

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