

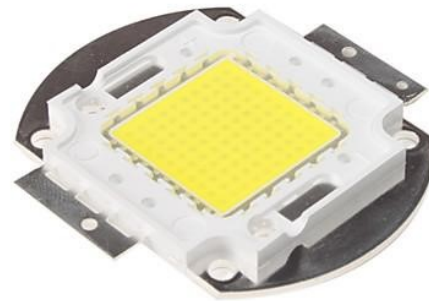


DATASHEET

SL-100SW020 Series 100W High Power LED

SL-100SW020 series 100W High Power Led is a high performance LED with precise package technique which make reliability for demanding lighting applications. Easy to assemble light source for spot lighting, high-bay, downlighting and retrofit bulb applications.

Long Operating Life
Instant Light Low
Voltage DC Energy
Efficient RoHS
Compliant Wide
Viewing Angel



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Characteristics

| Parameter | Typical | Max Rating |
|--------------------------|---------|------------|
| DC Forward Current | 3A | 3.3A |
| Electrostatic Discharge | | 4000V |
| Operating Voltage | | 35V |
| LED Junction Temperature | | 135°C |
| Operating Temperature | -40°C | 110°C |

Electric-Optical Characteristics

| Parameter | Typical |
|----------------------------------|---------|
| View Angle | 120° |
| Luminous Intensity (TA=25°C) | 10150lm |
| Color Rendering Index for 4000°K | 75 |
| Color Rendering Index for 3300°K | 70 |
| Color Rendering Index for CRI 90 | 90 |
| Thermal Resistance | 0.5°C/W |

Notes:

Solight LED maintains a tolerance of $\pm 10\%$ on measurements and a tolerance of ± 5 on CRI measurements.

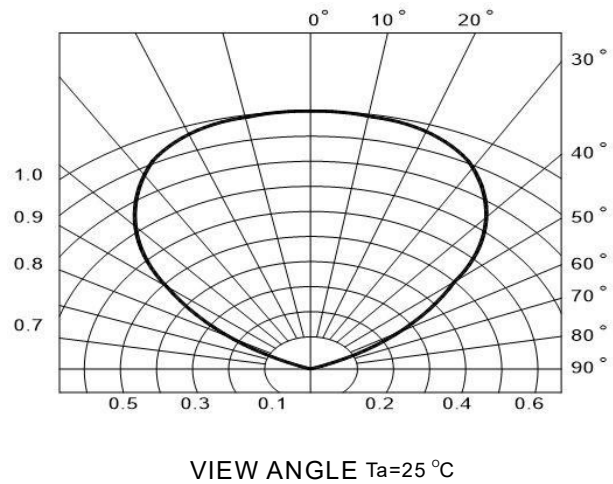
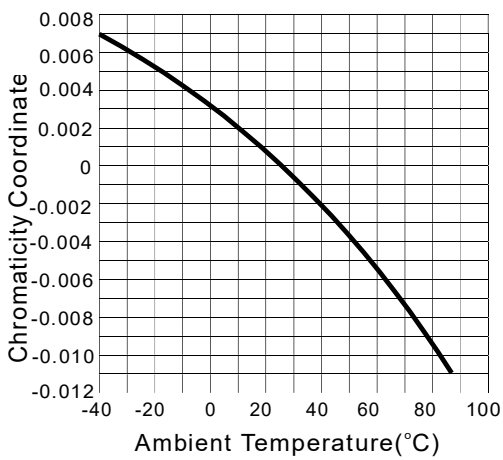
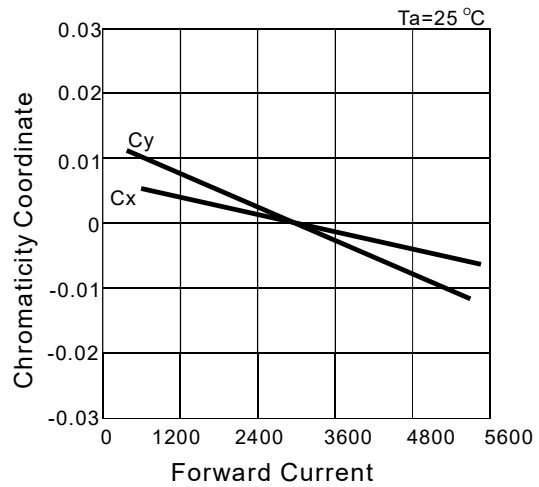
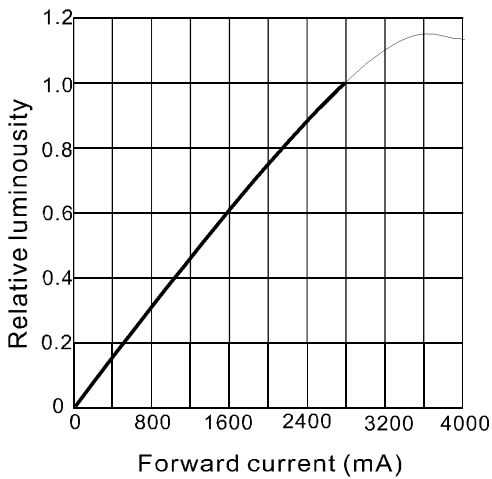
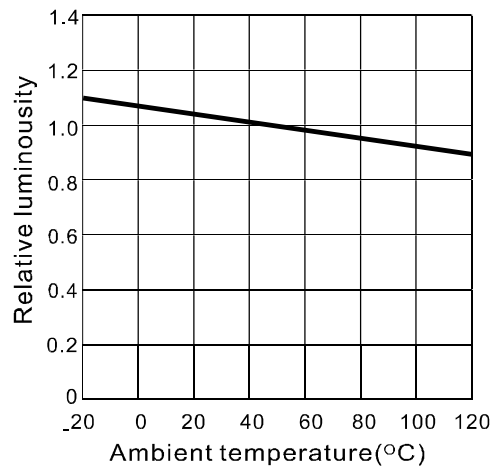
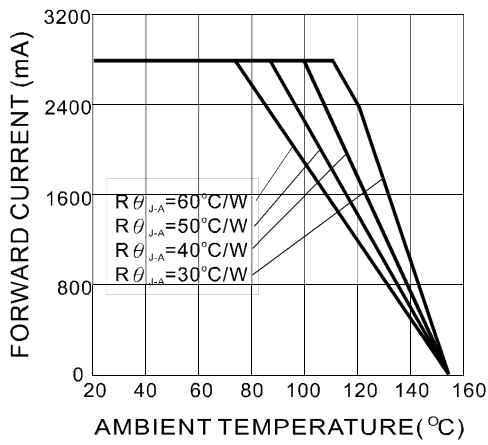
Above CRI specifications are for standard products.



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Subject to change without notice

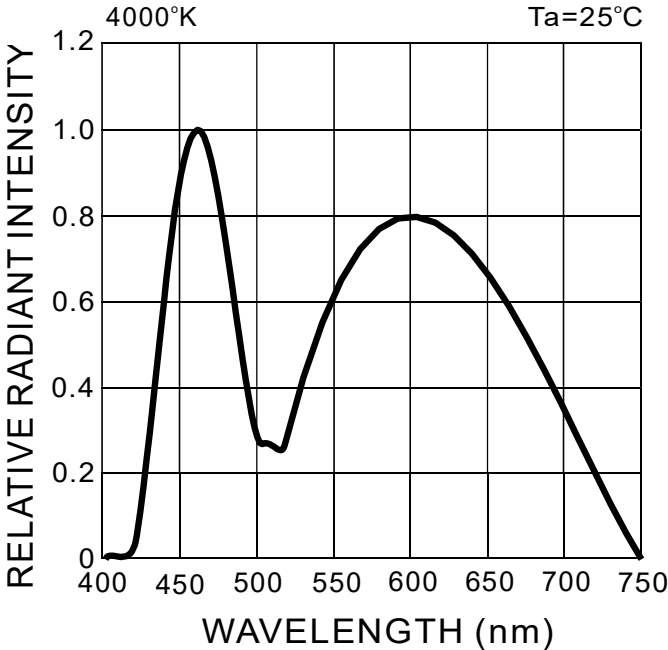
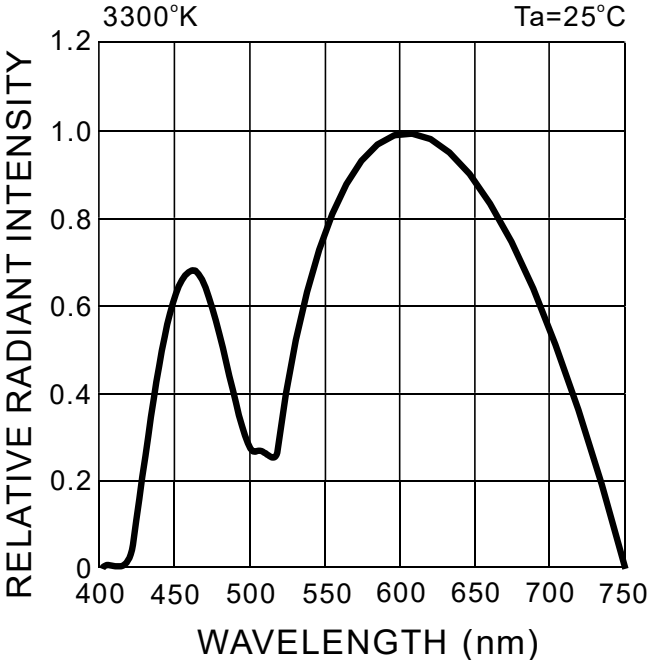
Electric-Optical Characteristics Curves



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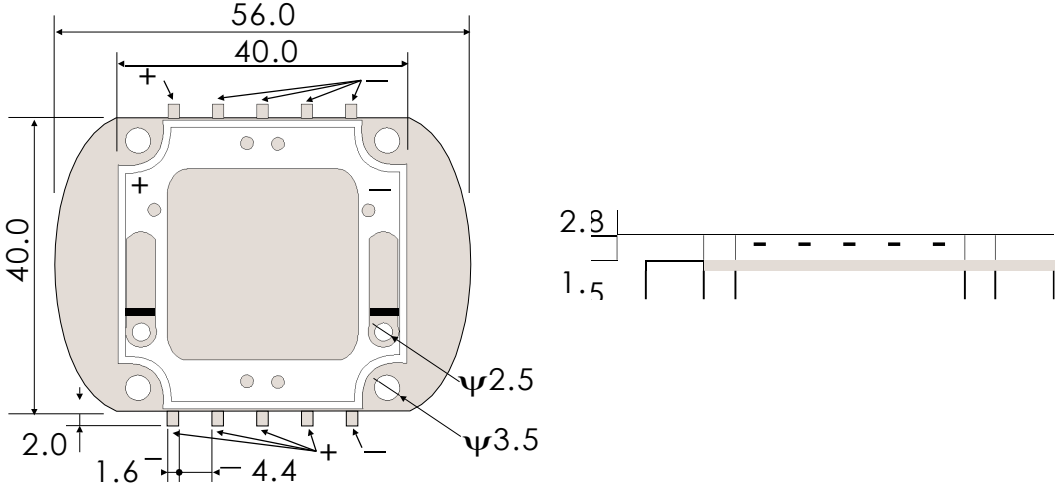
Electric-Optical Characteristics Curves



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Mechanical Dimensions



- Notes:
- 1. Drawing is not to scale
 - 2. All dimensions are in millimeter
 - 3. Tolerances unless on dimensions $\pm 0.3\text{mm}$
 - 4. Specifications are subject to change without notice

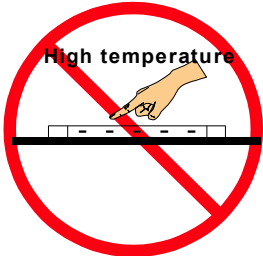
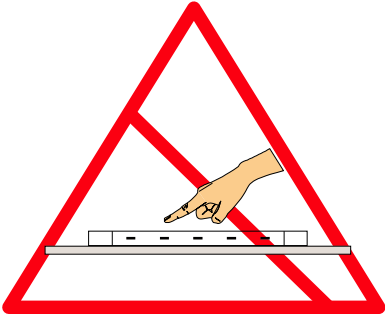


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Assembly Note

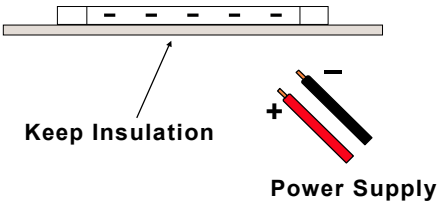
1. Do not touch the emitting area.



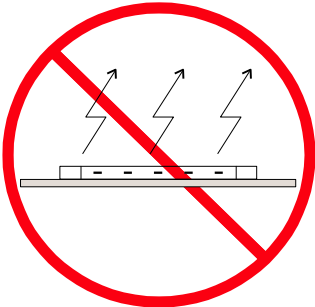
Above 150°C



2. Keep insulation of the bottom with neither positive nor negative pole.



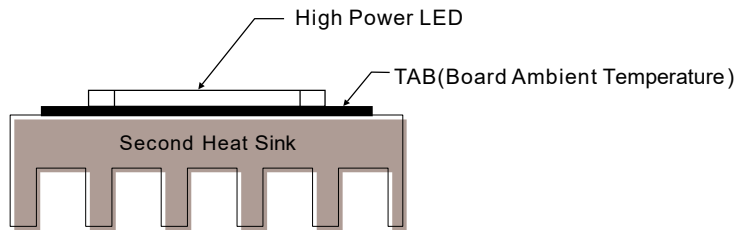
3. Do not light up without heat sink.



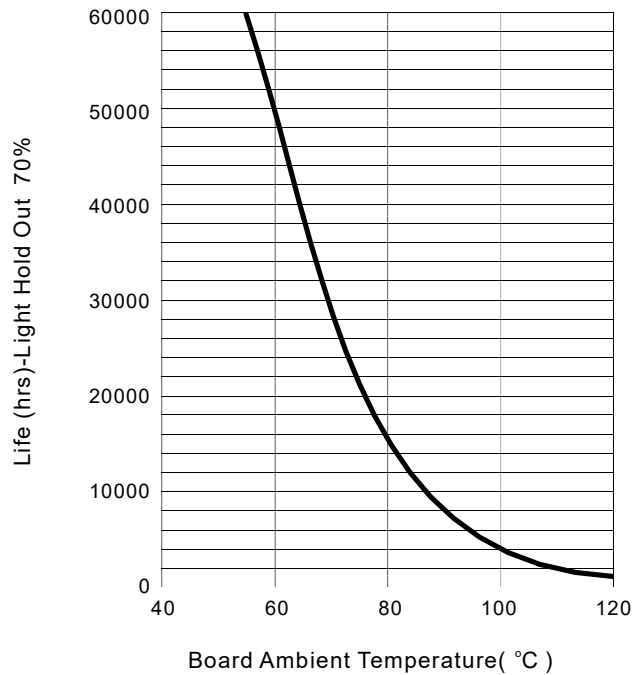
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Tab Temperature



Temperature Characteristics Curves



Notes:

1. Board Ambient Temperature tolerance $\pm 5^{\circ}\text{C}$
2. TAB highest operating temperature is 65°C in this table
3. Specifications are subject to change without notice



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About Us

Solight Led was found in 2013 manufacturer of High Tech LED chips with facilities in Zhejiang, China. We specializes in the development and manufacturing of LED chips in blue (white), green, and UV using latest technology. This design allows for higher performance and longer lumen maintenance.

Company covers over 12,000 square meters, has more than 180 staffs, including many experienced R&D engineers and high trained workers. Workshop has professional Japan automatic SMT machine, welding equipment, advanced production and testing equipment for guarantee the stable and excellent performance of LED products.

We insist on the principle of “Excellent quality and High Technology, mutually beneficial cooperation”. Create energy-saving, environmental protection LED lights for people!

For further company or product information, please visit us at www.solightled.com or please contact info@solightled.com



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