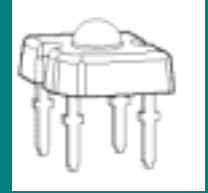


Lumileds SuperFlux LEDs Versus Other LEDs



SuperFlux LEDs Offer the Highest Flux and Intensity Available for the Printed Circuit Board Platform

When designing LED lighting products on the PC board platform, no competitor can match the light output per LED of SuperFlux. Whether the designer wishes to make a red vehicle signal or a blue illuminated sign display, SuperFlux offers the highest luminous flux per LED in its class. This superiority allows more powerful lighting products and lower system cost while using standard assembly technology.

SuperFlux LEDs Show Unparalleled Ruggedness

The four-pin design enables SuperFlux to weather the most rigorous of environments. Neither shock nor vibration will damage the LED or separate it from electrical contact. LEDs with two pins are more likely to fracture when implemented in products that experience heavy shock or vibration. For example, SuperFlux LEDs are used as tail lights in many vehicles, often in the trunk lid where severe shock is experienced. When the highest reliability is required, the SuperFlux line of products is most appropriate.

Lowest Thermal Resistance Available for a Through-Hole LED

The large lead-frame design gives SuperFlux a lower thermal resistance when compared with conventional LEDs. The temperature increase at the LED junction is about half that experienced by competitors when operated at equivalent power. This feature provides a wider range of applications to SuperFlux because it can operate in a wider temperature range at higher input power. In high performance designs, low thermal resistance is a requirement and, as a result, SuperFlux is the clear choice.

Choice of Viewing Angles

No competitor offers the choice of viewing angles offered by Lumileds SuperFlux LEDs. The four viewing angle categories offered are 30 degree, 40 degree, 70 degree, and the 25 degree x 68 degree rectangle pattern. Thus, the SuperFlux platform offers lighting designers the greatest flexibility and choice of any LED manufacturer.

Company Information

Lumileds is a world-class supplier of Light Emitting Diodes (LEDs) producing billions of LEDs annually. Lumileds is a fully integrated supplier, producing core LED material in all three base colors (Red, Green, Blue) and White. Lumileds has R&D development centers in San Jose, California and Best, The Netherlands. Production capabilities in San Jose, California and Malaysia.

Lumileds is pioneering the high-flux LED technology and bridging the gap between solid state LED technology and the lighting world. Lumileds is absolutely dedicated to bringing the best and brightest LED technology to enable new applications and markets in the Lighting world.



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Lumileds may make process or materials changes affecting the performance or other characteristics of Luxeon. These products supplied after such change will continue to meet published specifications, but may not be identical to products supplied as samples or under prior orders.

LUMILEDS

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