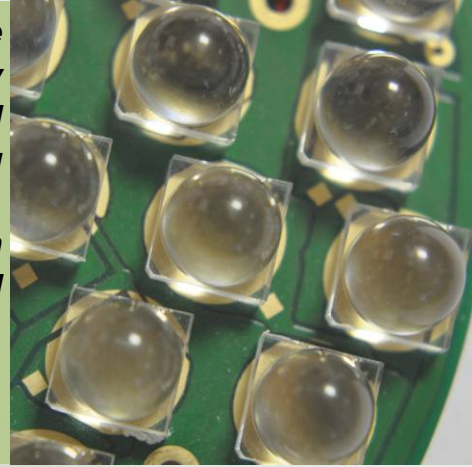


3° Narrow Spot Engines

Light Engines' unique 3 degree primary optics are ideal for emerging applications requiring extremely bright and narrow light, such as high-speed rail signals, architectural spotlights, and collimating applications.

Built around our individual light points we can design a custom module for your high volume OEM application.

Bringing Light to Your Ideas. Light Engines LLC.



NS1x1 – SINGLE LIGHT POINT PRODUCT: PERFORMANCE SUMMARY

Color	Supply Voltage, DC, V	Typical Viewing Angle, $2\theta_{1/2}$, deg ¹	Typical Dominant Wavelength, nm, or Color Coordinate ²	Typical Luminous Intensity, cd ³
Amber	2.5	2	590	1000
Blue	4.0	2	470	120
Green	4.0	2	525	330
Red	2.5	2	625, 635	1000
White	3.0	3	X=0.33, Y=0.33	1000

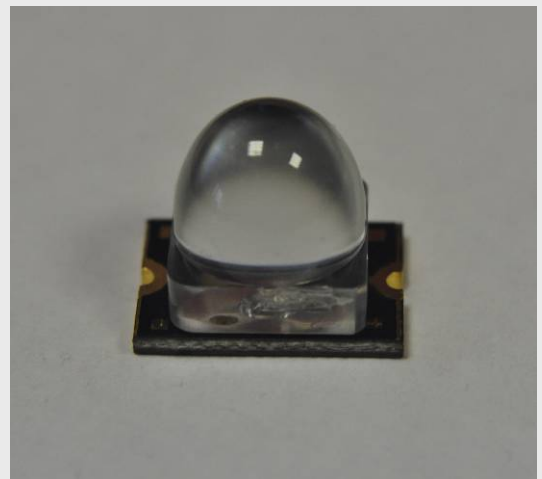
¹ $2\theta_{1/2}$ is the full width of the radiation angle at half of the axis intensity.

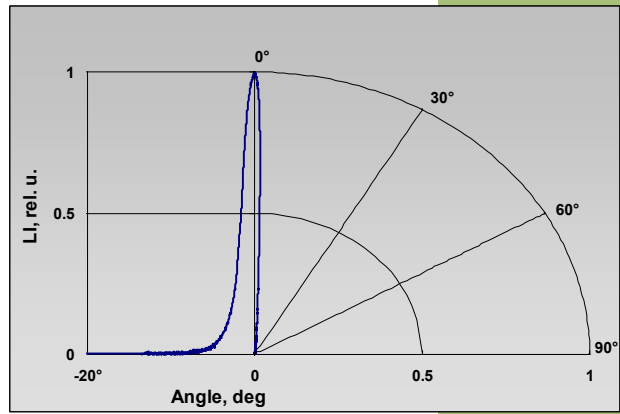
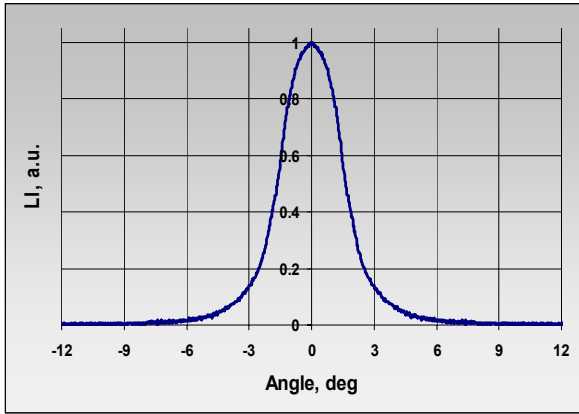
² Per 1931 CIE Chromaticity Diagram.

³ Measured on the mechanical axis at drive current of 50 mA.

MECHANICAL DIMENSIONS

Product	Outline, L x W x H, mm	Outline, L x W x H, inch
NS1x1	18 x 14 x 15.7	.71 x .55 x .62





Custom Narrow Spot Module.

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