

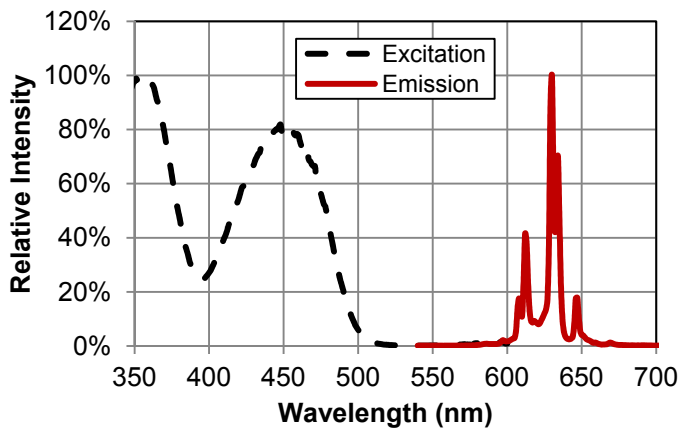
# Intematix KSF Phosphor

Intematix KSF phosphors enable increased color gamut and superior brightness for display backlighting. The narrow band emission enables up to 30% better color filter throughput, higher screen brightness and lower energy consumption. NR6931-04A has been optimized to reduce phosphor usage while delivering robust and reliable performance for mid to low power LED packages. The small particle size of NR6931-04A enhances ease of use in small cavity LEDs.

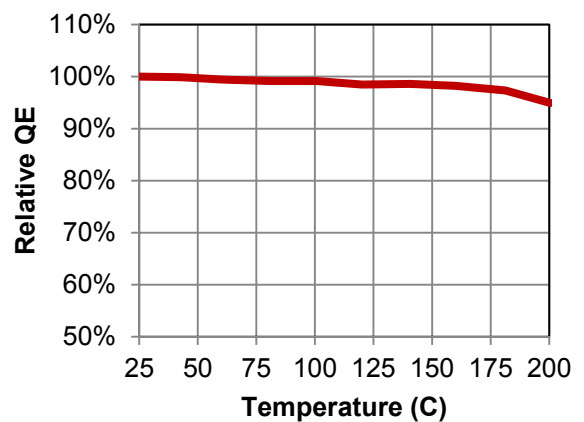
Applications include wide color gamut backlighting for mobile, tablet, notebook, monitor and television displays.

Product Name	PL Relative Intensity	FWHM	Emission Peak Wavelength	Color Coordinates		Particle Size D50V $\mu\text{m}$
	%		nm	x	y	
NR6931-04A	$\geq 730$	10	632	0.693	0.307	23.0

**Excitation and Emission Spectrum**



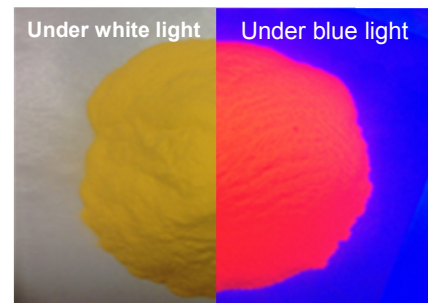
**Thermal Stability**



**Material Properties**

<b>Material</b>	KSF
<b>Body Color</b>	Yellow
<b>Density</b>	2.75 g/cm <sup>3</sup>
<b>Excitation Range</b>	320 nm to 490 nm

**Phosphor Powder Color**



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