

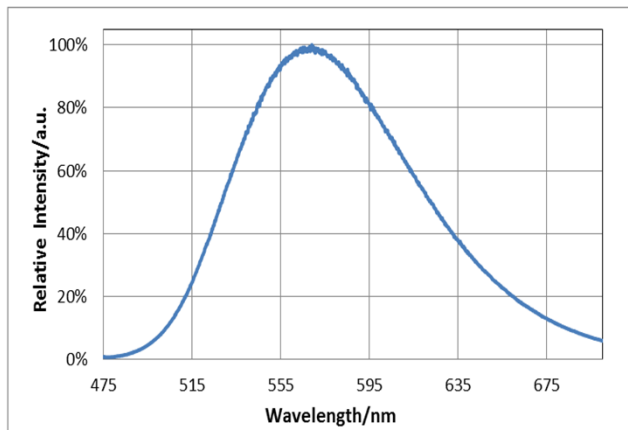
DATASHEET

Y4651-05-23

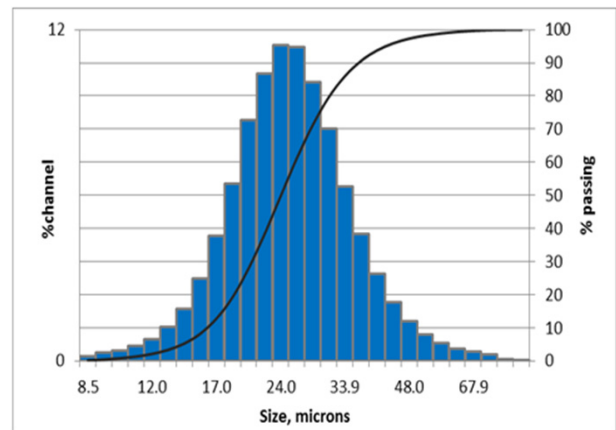
Product Description and Application

- Y4651-05-23 is large particle silicate phosphor is designed to maximize brightness in low to medium power white LED packages.
- Y4651-05-23 can be used in combination with other Y series products for color tuning and to achieve a broader emission spectrum. It can be excited by a wide range of wavelengths from blue to near UV enabling use of high efficiency LED chips (440nm to 450nm).
- High brightness white LEDs made with Y4651-05-23 can be used for mobile display backlighting, general and task lighting, camera flash, signage, decoration, and automotive applications.

Emission Spectrum



Particle Size Distribution



Material Specification:



Materials	<i>Eu doped Silicates</i>
Density	4.7 g/cm^3
Particle Size	$D50V \sim 23.0 \mu\text{m}$
CIE (1931)	$x=0.455, y=0.523$
Emission Peak	567 nm
Excitation Range	$200\text{nm to }490 \text{ nm}$

For more information about Intematix phosphors please contact your local sales representative.

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