

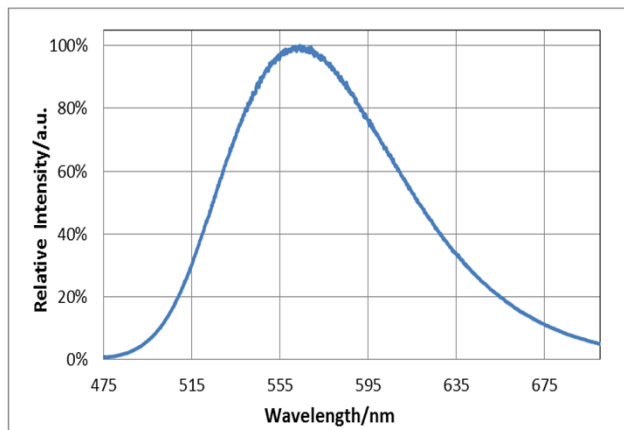
DATASHEET

Y4453-05-20

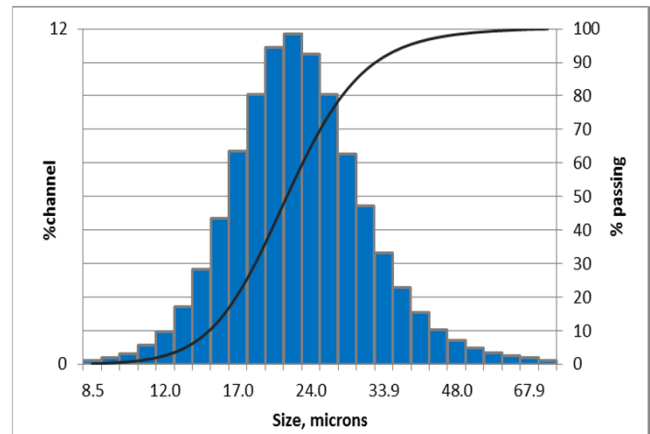
Product Description and Application

- Y4453-05-20 is large particle silicate phosphor is designed to maximize brightness in low to medium power white LED packages.
- Y4453-05-20 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 Y4453-05-20 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	$D_{50V} \sim 21.0 \mu\text{m}$
CIE (1931)	$x=0.442, y=0.534$
Emission Peak	563 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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