

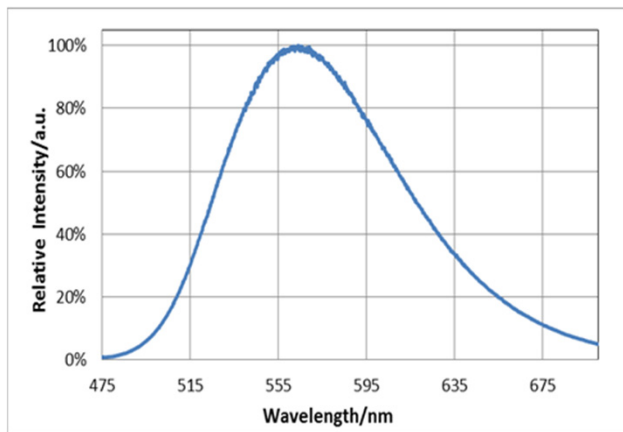
DATASHEET

Y4553-05-23

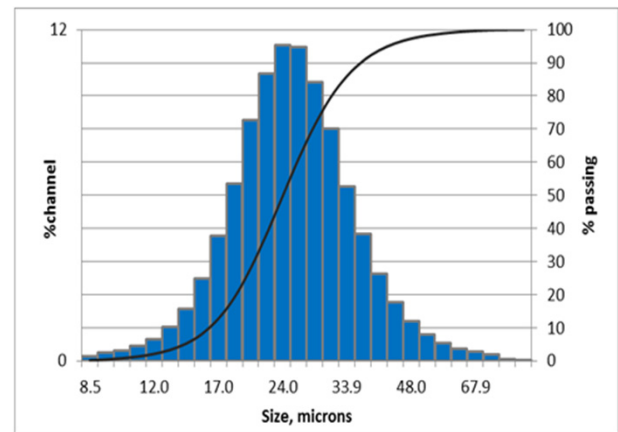
Product Description and Application

- Y4553-05-23 is large particle silicate phosphor is designed to maximize brightness in low to medium power white LED packages.
- Y4553-05-23 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 Y4553-05-23 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	<i>4.7 g/cm³</i>
Particle Size	<i>D50V ~ 23.0 μm</i>
CIE (1931)	<i>x=0.448, y=0.530</i>
Emission Peak	<i>564 nm</i>
Excitation Range	<i>200nm to 490 nm</i>

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

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