

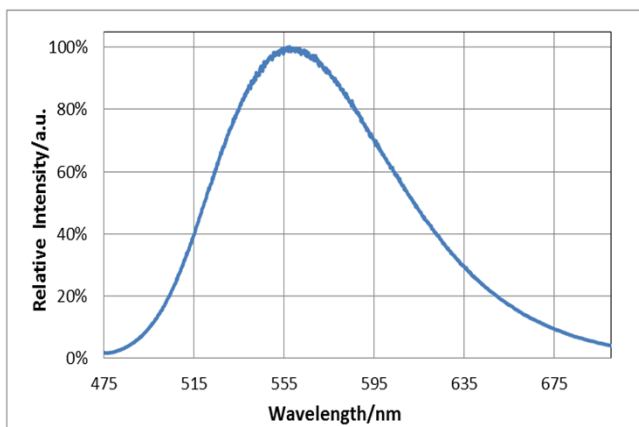
# DATASHEET

## Y4254-02-16

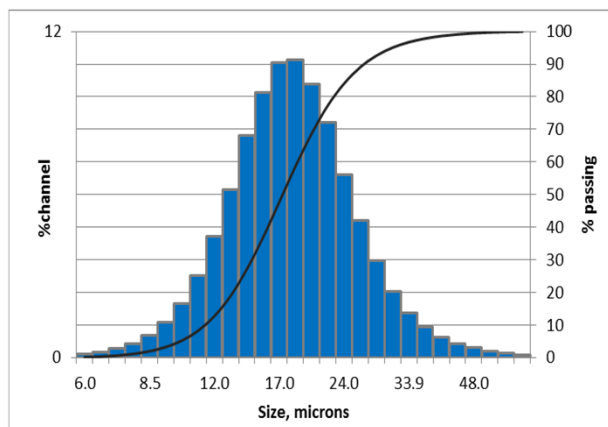
### Product Description and Application

- Y4156-02-16 silicate phosphor is designed to improve ease of use in white LED packaging. The low cohesion results in a uniform dispersion in liquid encapsulants, reducing LED CIE distribution.
- Y4254-02-16 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).
- White LEDs made with Y4254-02-16 can be used for low and medium power applications for 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	$4.7 \text{ g/cm}^3$
Particle Size	$D50V \sim 16.0 \mu\text{m}$
CIE (1931)	$x=0.423, y=0.547$
Emission Peak	$558 \text{ nm}$
Excitation Range	$200\text{nm to }490 \text{ nm}$

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

## INTEMATIX

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