

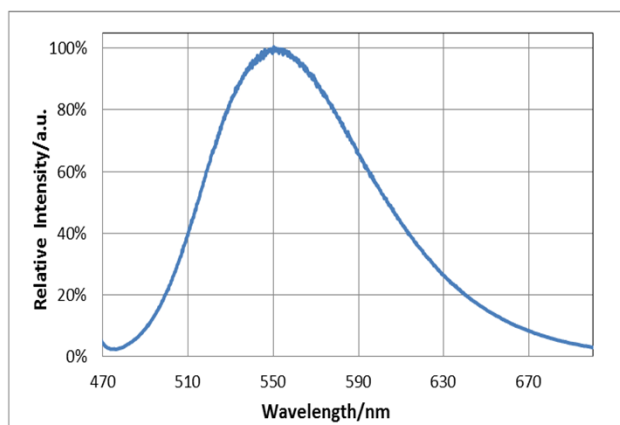
# DATASHEET

## Y4156-02-16

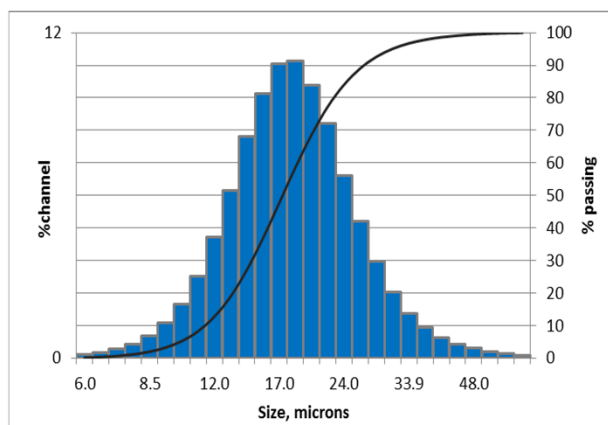
### Product Description and Application

- Y4156 silicate phosphor is designed for low to mid-power white illumination.
- It can be used in combination with other Y series products for color tuning and to achieve a broader emission spectrum. Y4156 can be excited by a wide range of wavelengths from blue to near UV enabling use of high efficiency LED chips (440nm to 450nm).
- Y4156 can be used for high brightness white LEDs in 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/cm<sup>3</sup></i>
Particle Size	<i>D50V ~ 16.0 μm</i>
CIE (1931)	<i>x=0.402, y=0.563</i>
Emission Peak	<i>551 nm</i>
Excitation Range	<i>200nm to 490 nm</i>

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

## INTEMATIX

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