

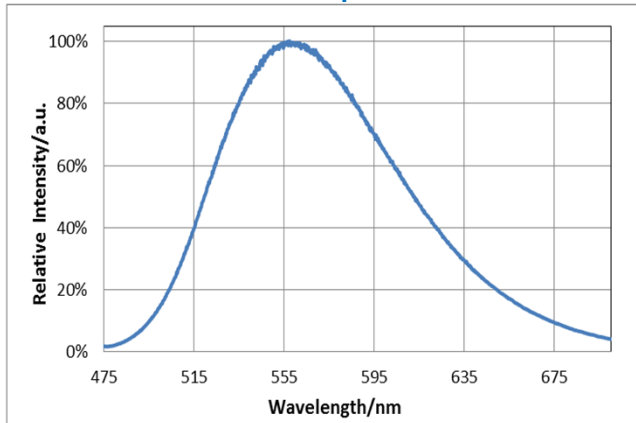
# DATASHEET

## Y4453-02-A16

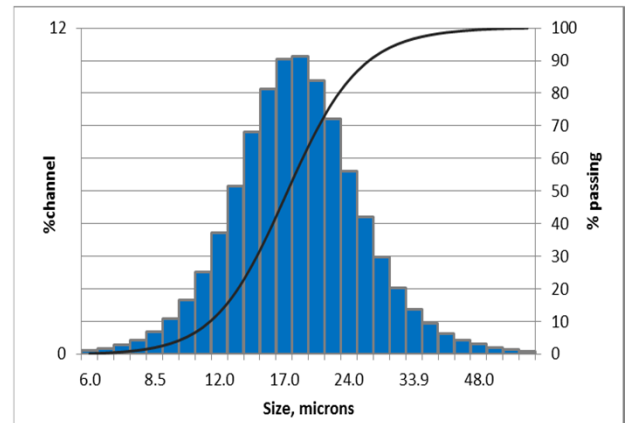
### Product Description and Application

- Y4453-02-A16 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.
- Y4453-02-A16 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 Y4453-02-A16 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	<i>4.7 g/cm<sup>3</sup></i>
Particle Size	<i>D50V ~ 16.0 μm</i>
CIE (1931)	<i>x=0.442, y=0.533</i>
Emission Peak	<i>563 nm</i>
Excitation Range	<i>200nm to 490 nm</i>

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

## INTEMATIX

46410 Fremont Boulevard Fremont, CA 94538  
Tel: +1 (510) 933-3300 Fax: +1 (510) 668-0793

[sales@intematix.com](mailto:sales@intematix.com)  
[www.intematix.com](http://www.intematix.com)