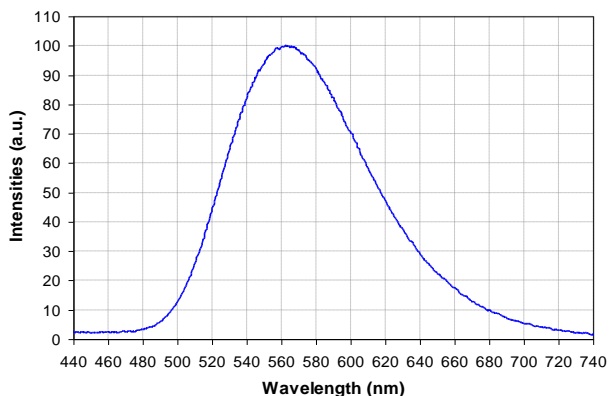


## EY4453™

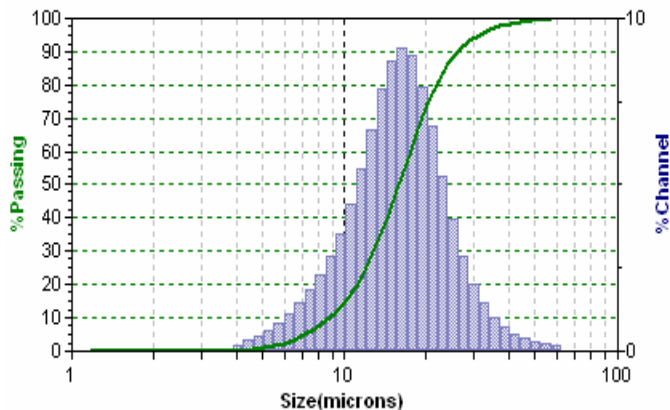
### Product Description and Application:

- EY4453 phosphor is designed for white illumination devices.
- Higher efficiency of white is achieved using the shorter wavelength of blue LED chips ranging from 445nm to 455nm. It can be used in combination with other Y series products.
- High brightness white LEDs using this phosphor can be used for applications in display backlighting, camera flashes, signage, decoration, LED displays, projectors, automotive, general lighting, and a variety of high power applications.

#### Emission Spectrum



#### Particle Size Distribution



### Material Specifications:



Materials	<i>Eu doped Silicates</i>
Density	$4.48 \text{ g/cm}^3$
Particle Size	$D50 (V) \sim 15.5 \mu\text{m}$
CIE (1931)	$x=0.442, y=0.534$
Emission Peak	$565 \text{ nm}$
Excitation Range	$200 \text{ nm to } 490 \text{ nm}$

## INTEMATIX

46430 Fremont Boulevard • Fremont, CA 94538  
Tel: +1 (510) 933-3300 • Fax: +1 (510) 668-0793

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