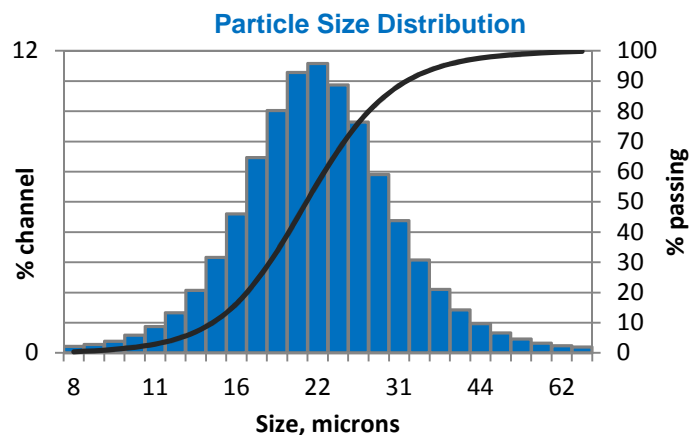
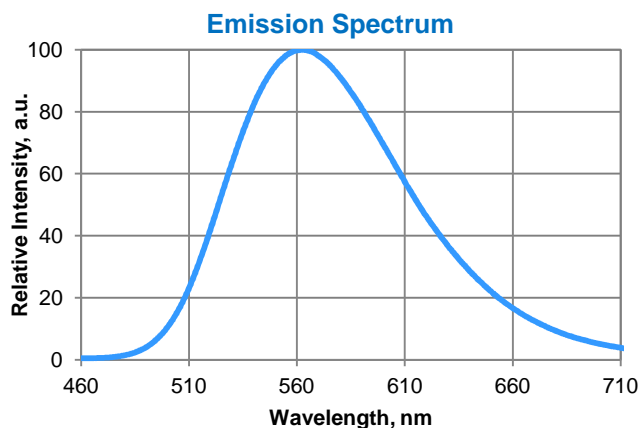


# DATASHEET

## Y4453-03-20

### Product Description and Application:

- Y4453-03-20 is a next generation, large particle silicate phosphor designed to maximize brightness in white LED packaging.
- It can be used in combination with other phosphors for color tuning and to achieve a broader emission spectrum. Y4453-03 can be excited by a wide range of wavelengths from blue to near UV enabling use of high efficiency LED chips (440nm to 450nm).
- Y4453-03-20 can be used for low to mid-power, high brightness, white LEDs in mobile display backlighting, general and task lighting, camera flash, signage, decoration, and automotive applications.



### Material Specifications:



<b>Materials</b>	<i>Eu doped Silicates</i>
<b>Density</b>	<i>4.7 g/cm<sup>3</sup></i>
<b>Particle Size</b>	<i>D50V ~ 20µm</i>
<b>CIE (1931)</b>	<i>x=0.443, y=0.533</i>
<b>Emission Peak</b>	<i>563nm</i>
<b>Excitation Range</b>	<i>200nm to 490nm</i>

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