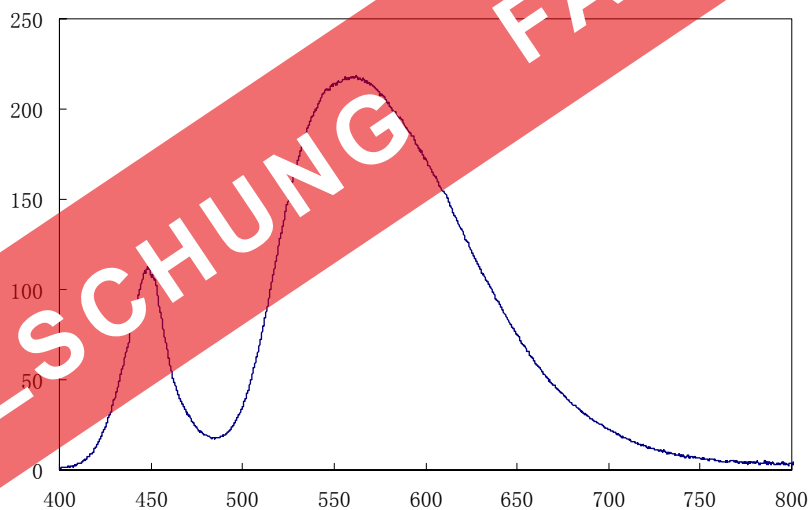


FA585 Datasheet

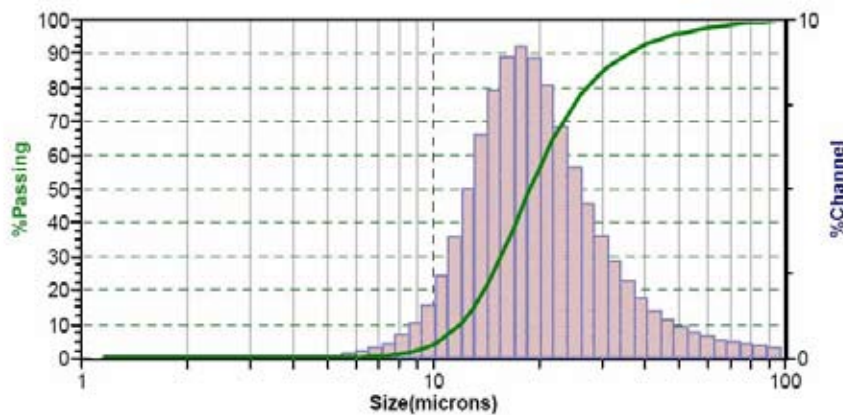
Product Description and Application

- FA585 phosphor is yttrium aluminum garnet based SBCOSE phosphor designed for white illumination devices.
- Higher efficiency of white is achieved using the wavelength of blue LED chips ranging from 450nm to 470nm. It can be used in combination with other color phosphor products.
- High brightness white LEDs using this phosphor can be used for application 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

LITEC Phosphor	SBCOSE FA585
Description	Europium activated Alkaline Earth Orthosilicate
Formula	$(\text{Sr},\text{Ba})_2\text{-xSiO}_4\text{:Eux}$
Body color	yellow
Luminescence color	yellow
Particle size distribution	D50 (V) ~ 17 μm
CIE coordination (exc=450 nm)	x=0.455 y=0.527
Emission maximum	565 \pm 1 nm
Excitation Range	435nm to 475nm
Specific gravity	4.8 g/cm ³
Application	light converter for blue LED (450-470nm) to produce white light (esp. warm white)

Product Photograph



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