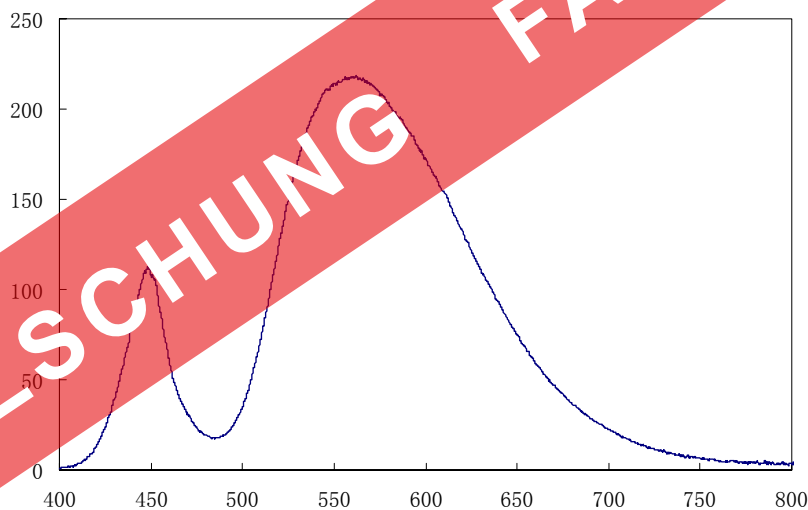


FA585 Datasheet

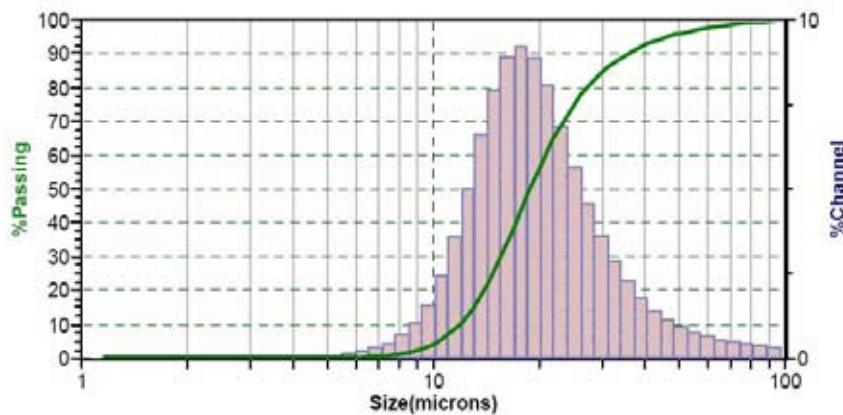
Product Description and Application

- 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 | $(\text{Sr,Ba})_2\text{-xSiO}_4\text{:Eux}$ |
| 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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