

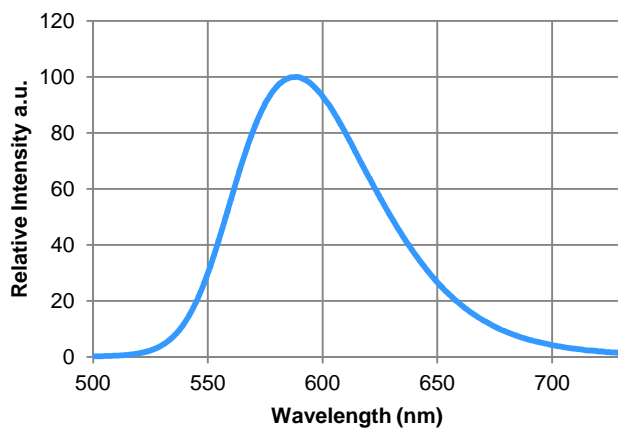
# DATASHEET

## O5446

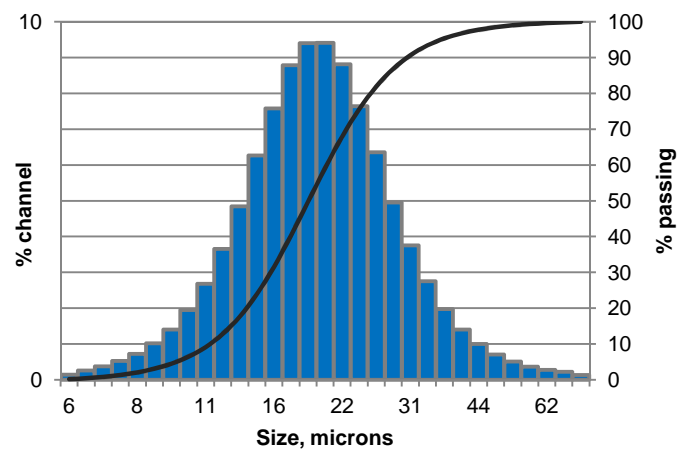
### Product Description and Application:

- O5446 phosphor is designed for Purple, Pink, and Orange illumination devices, and is one of the components in warm white applications.
- High efficiency is achieved in the wavelength ranging from 200nm to 520nm.
- High brightness orange LEDs using this phosphor can be used for illumination, signals, signage and decoration.

Emission Spectrum



Particle Size Distribution



### Material Specifications:



|                  |                                 |
|------------------|---------------------------------|
| Materials        | <i>Eu doped Silicates</i>       |
| Density          | $4.47 \text{ g/cm}^3$           |
| Particle Size    | $D50 (V) \sim 16.5 \mu\text{m}$ |
| CIE (1931)       | $x=0.544, y=0.449$              |
| Emission Peak    | 586nm                           |
| Excitation Range | 200nm to 560nm                  |

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