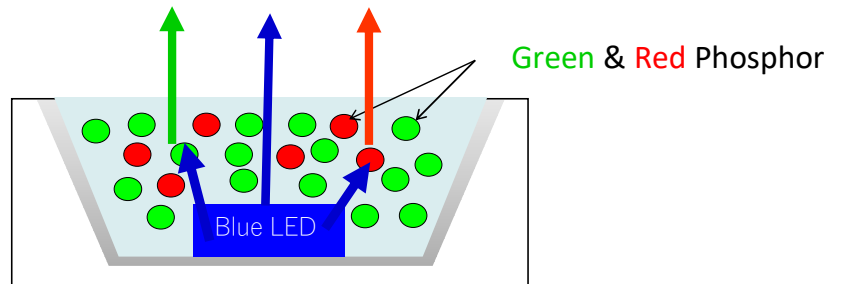


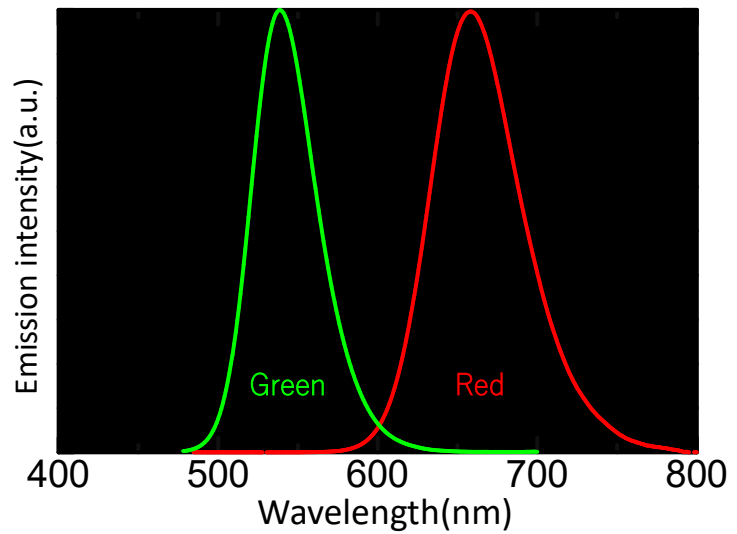
Phosphors

High efficiency phosphor that emits green and red by absorbing blue

Schematic diagram of white LED



Emission spectrums of phosphors



| | Green phosphor | Red phosphor |
|-----------------------------|-------------------------------------|------------------------|
| Material composition | $\text{SrGa}_2\text{S}_4:\text{Eu}$ | $\text{CaS}:\text{Eu}$ |
| Wavelength of peak emission | 535 nm | 660 nm |
| FWHM | 50 nm | 65 nm |
| CIE (x,y) | (0.29, 0.68) | (0.69, 0.31) |

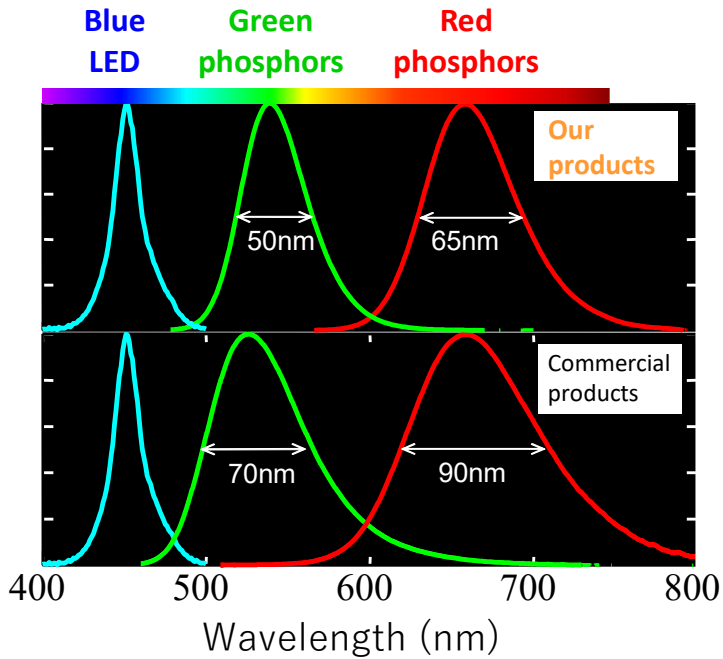


Appearances

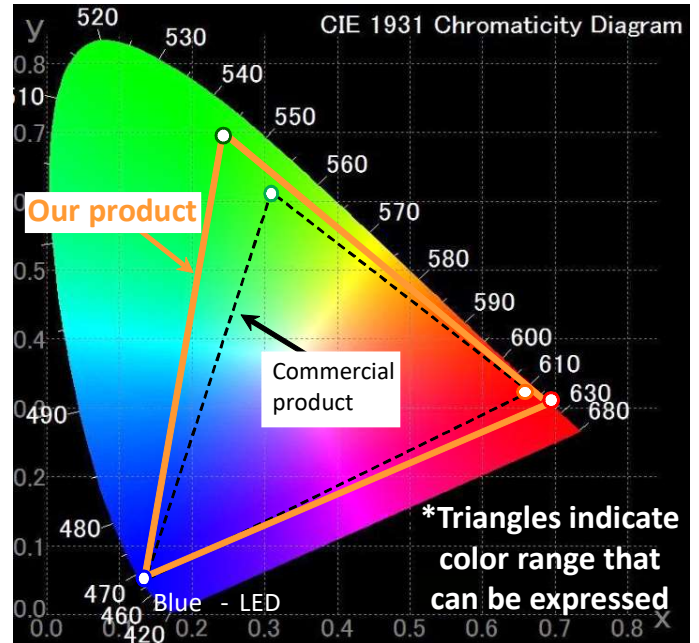
Features of our products

- Our products expand the color gamut that can be expressed on the display
- Our products show a narrower spectrum.
- Our products show a wider color gamut.

Comparison of emission spectra



Comparison of color reproducibility



Phosphor coating technology

- Our phosphor has excellent moisture resistance by special coating
- We have developed a special coating technic with high moisture resistance.
- There is no decrease in luminous retention rate until 5,000 hours under constant temperature and humidity conditions

85°C/85% humidity test with our product (green phosphor)

