

L-5xx Phosphor Series

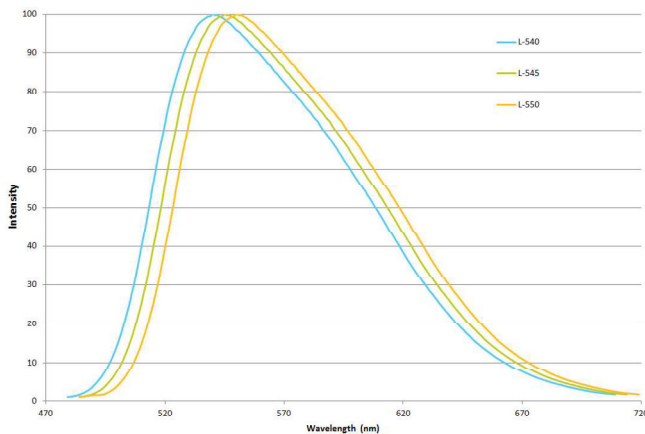
Phosphors of the L-5xx series are intended for producing of white light by mixing of blue radiation of semiconductor chip with luminescence of yellow-emitting phosphor embedded in silicon dome.

1. Chemical composition – cerium activated yttrium – aluminium garnet;

2. Main features:

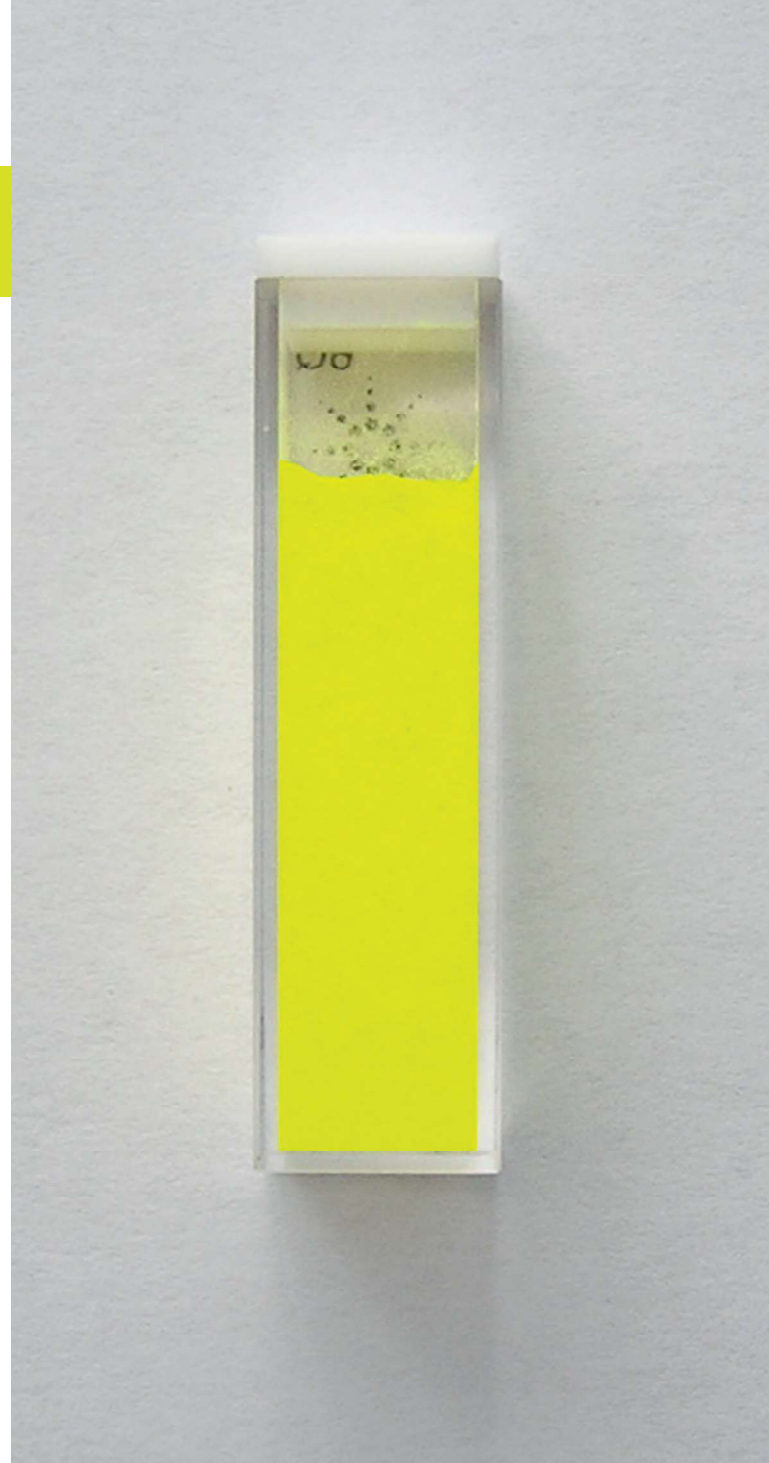
- High luminescent efficiency;
- Smooth and uniform particle morphology;
- High yield LED package manufacturing;
- Proven solution for conventional and remote phosphor lighting systems.

3. Emission spectra

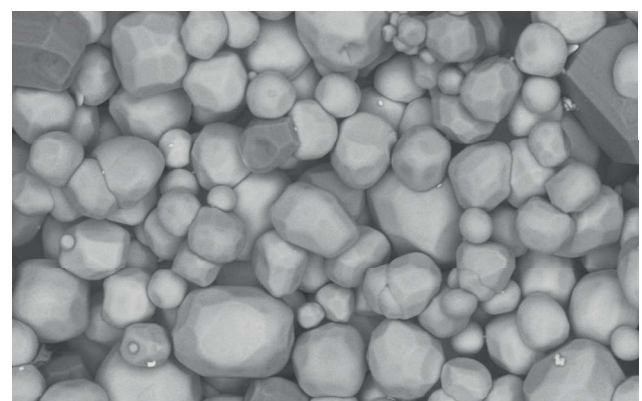


4. Functional properties

Product	Emission Peak Wavelength	Excitation Peak Wavelength	Particle Size
	λ_{em} (nm)	λ_{ex} (nm)	D50V (μm)
L-540L	540	450-470	20
L-540M	540	450-470	15
L-545L	546	450-470	23
L-545M	546	450-470	15
L-550L	550	450-470	21
L-550M	550	450-470	16



5. Morphology



2014.10.02 H D9,3 x1,0k 100 μm

Product parameters could be optimized in accordance with customer's specific requirements.