

SILICATE PRODUCT FAMILY



Intematix offers the widest range of Silicates from blue-green to orange and everything in between. Intematix Silicates are known for their high efficiency, making them the ideal phosphor for applications where dazzling brightness is required. Our Silicates have a narrow emission peak, meaning more of the emitted light passes through the color filter in LCD displays. Both standard and enhanced brightness Silicates are available to meet the unique needs of your applications.

Features

- High efficiency, >96%
- Wide choice of colors:
green, yellow, orange, 516-599nm
- Narrow emission peak, 70-82nm FWHM
- Broad excitation range, UV-Violet-Blue

Benefits

- Offers complete spectrum solution
- Ideal for displays, high light throughput
- Highest lumens/watt for lighting
- Enables alternative approach to high CRI cool white

Applications

- Mobile Display - high brightness
 - Smartphone
 - Tablet PC
 - Laptop
 - GPS
- Portable and Lower Power Lighting
 - Flashlight
 - Task Lamp
 - Lantern

Intematix Silicate Phosphor Product Line

Green Silicates

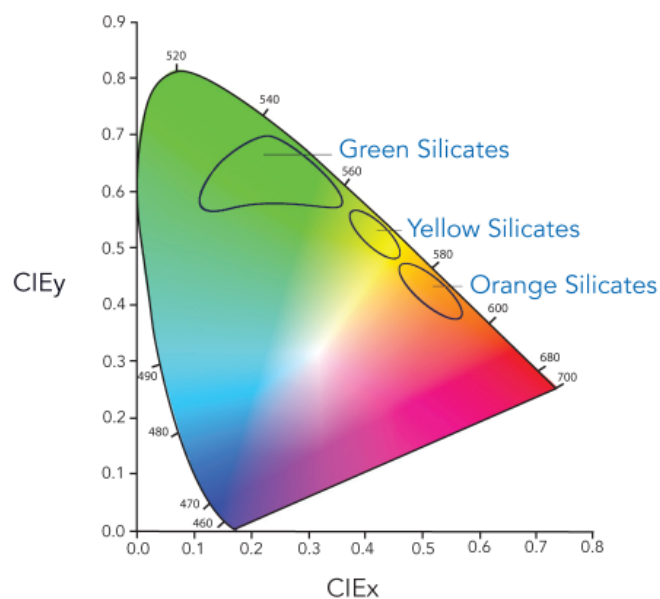
Product	Peak Wavelength	Color Point		Particle Size
	λ_p (nm)	CIE _x	CIE _y	D50V (μm)
G2262	516	0.226	0.620	15.5
EG2762	526	0.286	0.626	15.5
EG3261	530	0.320	0.610	15.5
EG3560	535	0.346	0.597	15.5
EG3759	540	0.371	0.584	15.5

Orange Silicates

Product	Peak Wavelength	Color Point		Particle Size
	λ_p (nm)	CIE _x	CIE _y	D50V (μm)
O5742	599	0.573	0.419	15

Yellow Silicates

Product	Peak Wavelength	Color Point		Particle Size
	λ_p (nm)	CIE _x	CIE _y	D50V (μm)
Y4156-02-16	551	0.402	0.563	16
Y4156-05-24	550	0.402	0.563	24
Y4254-02-16	558	0.423	0.547	16
Y4354-05-23	561	0.437	0.538	23
Y4453-02-A16	563	0.442	0.533	16
Y4453-05-20	563	0.442	0.534	21
Y4553-05-23	564	0.448	0.530	23
Y4651-05-23	567	0.455	0.523	23
Y4651	570	0.459	0.517	15



Additional product options with alternative particle sizes may be available. Please consult your local Intematix sales representative for additional information.