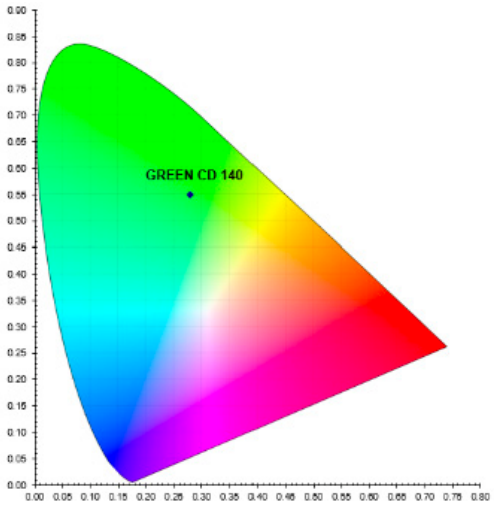
LUMILUX®



52140 GREEN CD 140

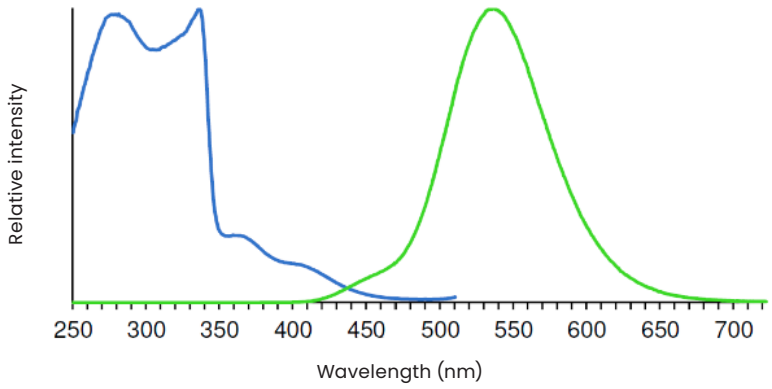
Product Group: Inorganic luminescent pigment for security coding

Primary Use: Fluorescent inks for rotogravure printing

TYPICAL CHEMICAL PROPERTIES	
Composition	ZnS:Cu
Insoluble in	Water, alkalis, organic solvents
Decomposition by means of	Strong acids

TYPICAL PHYSICAL PROPERTIES	
Appearance	White powder
Specific gravity	4.1 g/cm³
Resistance to discoloration	Aprox. 4 IBWS (depending on the matrix)
Particle size distribution (COULTER Lasersizer 230)	D_5 = min. 0.1µm D_{50} = max. 2.5µm D_{95} = max. 8.5µm

TYPICAL LUMINESCENT PROPERTIES	
Excitation	Ultraviolet radiation
Fluorescence color	Yellowish-green
CIE chromaticity coordinates	x = 0.32 ±0.02 y = 0.57 ±0.01



Typical excitation (left) and fluorescence (right) spectra

For More Information Visit
solstice.com

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