

Product Data Sheet

50107 Lumilux[®] green SN-F2Y

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www.honeywell.com/sm/lumilux/

Main use	Long afterglow products according to DIN 67510 part 4
Useable for	Solvent-based paints and inks, thermoplastics, thermosetting plastics
Law / regulation	European norm EN 71-3: Safety of toys - Part 3: Migration of certain elements

Typical chemical properties

Composition	alkaline earth aluminate
Insoluble in	alkalies, organic solvents
Decomposition by	water, acids

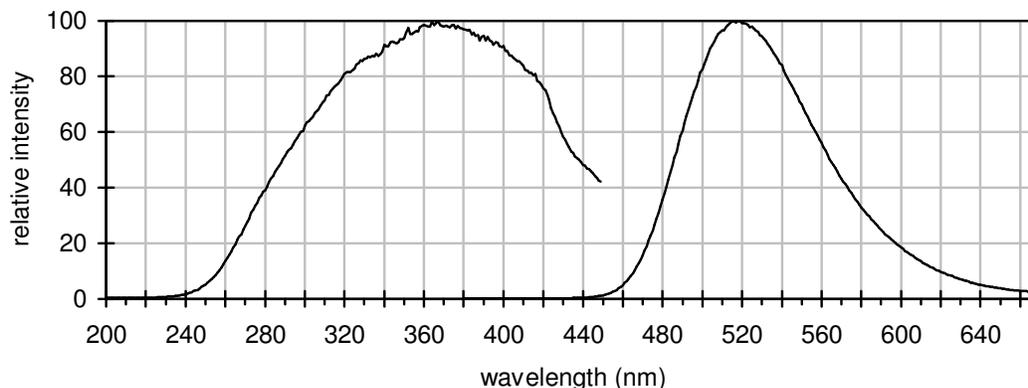
Typical physical properties

Appearance	yellow-green powder
Specific gravity	3.4 g/cm ³
Particle size distribution	d ₅₀ = max. 28 µm as determined by COULTER Lasersizer 230
Screen analysis	max. 0.5 % oversized particles on 125 µm testing screen

Typical luminescent properties

Excitation	white light, UV radiation
Color of fluorescence	green
Color of phosphorescence	green

Typical excitation (left) and phosphorescence (right) spectra



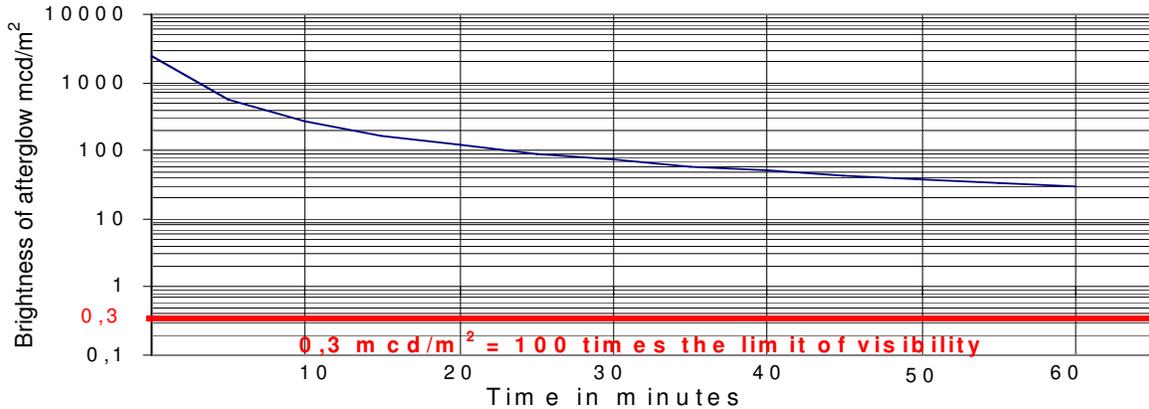
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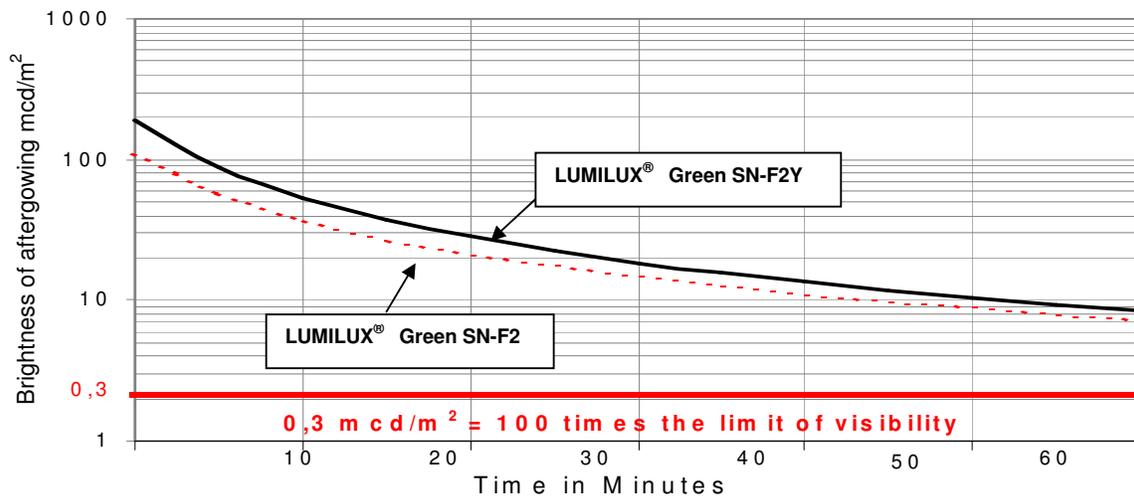
Typical after glow figure from phosphor powder

Reference criterion to DIN 67510
as determined by part 1

260/25-1700



Typical after glow figure from a coated phosphor layer on a white substrate by use of 200 g/m² phosphor loading



Excitation 15 minutes / 25 Lux
Color of light 840 (white)

Brightness of afterglow	Green SN-F2Y	Green SN-F2	
	89 mcd/m ²	58 mcd/m ²	after 5 minutes
	53 mcd/m ²	37 mcd/m ²	after 10 minutes
	8 mcd/m ²	7 mcd/m ²	after 60 minutes

Specialty Materials

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