

Product Data Sheet

50107 Lumilux[®] green SN-F2Y

Europe : Phone : + 49 (5137) 999-525

Fax : + 49 (5137) 999-121

USA : Phone : + 1 (973) 455-2169

Fax : + 1 (973) 455-2551

Asia : Phone : + 82-2-3483-5103

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

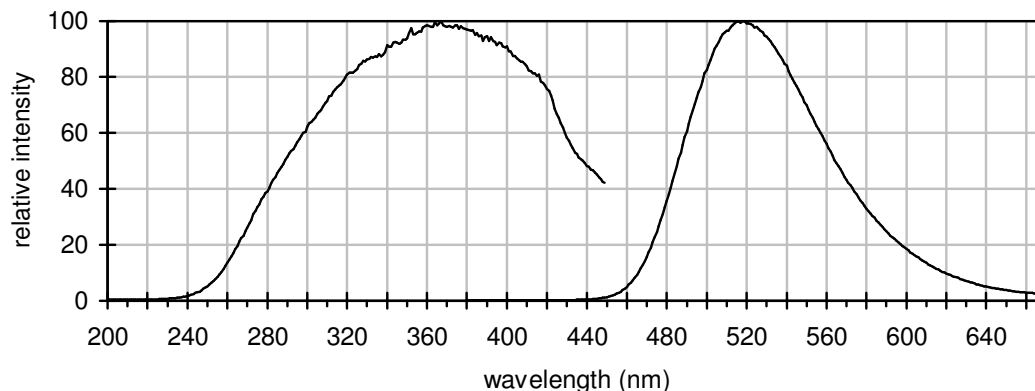
Typical physical properties

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



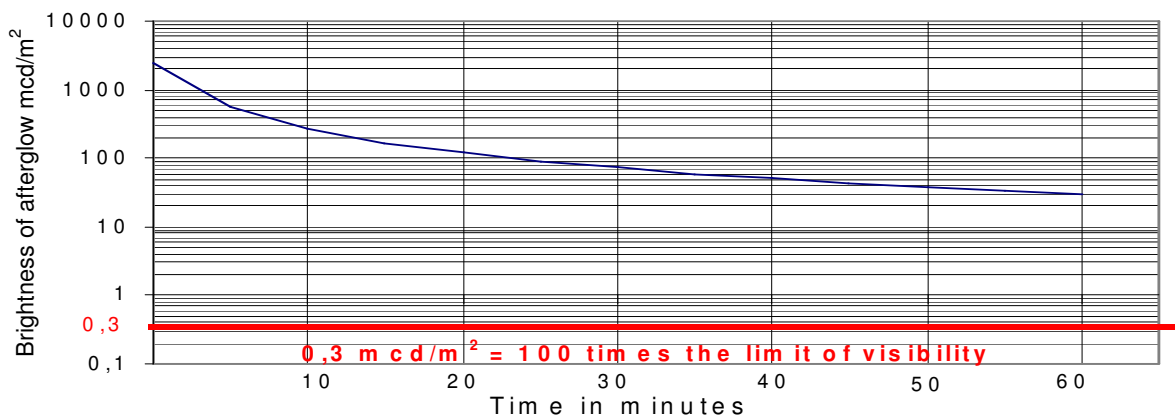
Lumilux[®] is a registered trademark of Honeywell International Inc.

Disclaimer: Although all statements and information in this Product Data Sheet are believed to be accurate and reliable, they are presented without guarantee or warranty of any kind, express or implied, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. Further information concerning safe handling procedures can be obtained at <http://www.honeywell.com/sites/sm/lumilux/> or by contacting Honeywell.

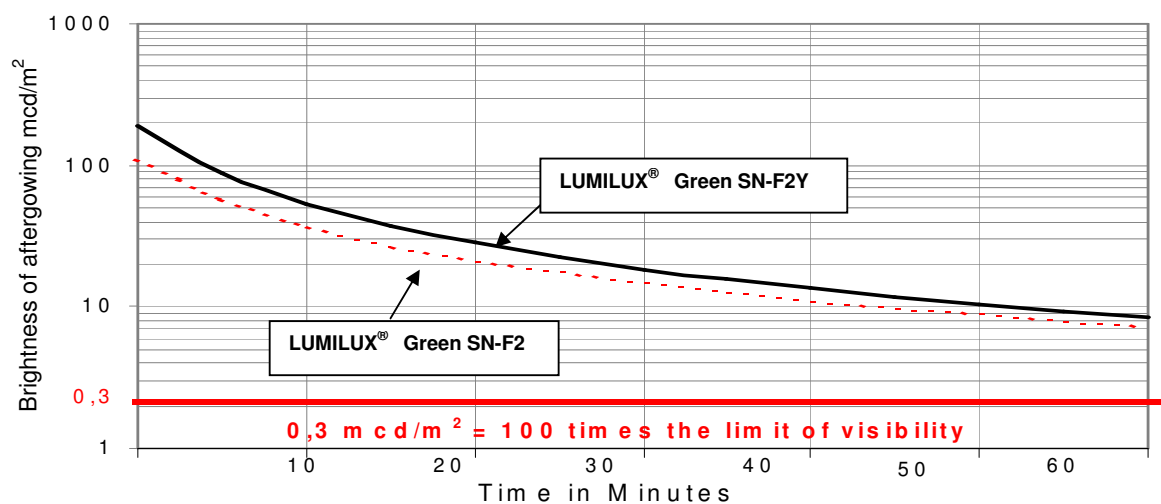
Typical after glow figure from phosphor powder

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

89 mcd/m²
53 mcd/m²
8 mcd/m²

Green SN-F2

58 mcd/m² after 5 minutes
37 mcd/m² after 10 minutes
7 mcd/m² after 60 minutes

Specialty Materials

Honeywell
P.O. Box 100262
D-30918 Seelze / Germany
Phone : +49 (5137) 999 525
www.honeywell.com

pds_50107_e-
August 2010
© 2010 Honeywell International Inc.

Honeywell