



Nemoto Long Afterglow Pigment

Product Data Sheet

Chemical Properties

Trade Name:	GSS
Chemical Formula:	ZnS:Cu,Cl
Insoluble in:	Water, Organic Solvents
Moisture:	< 0.2%
Decomposition by:	Strong Acids
pH (Aqueous Solution)	Approximately 10

Physical Properties

Appearance:	Crystalline Yellowish White Fine Powder
Specific Gravity:	4.08 gr. / cm ³
Average Particle Size:	23 ± 3 µm (as Blaine Air Transmission Apparatus)

Phosphorescent Properties (Minimum Values)

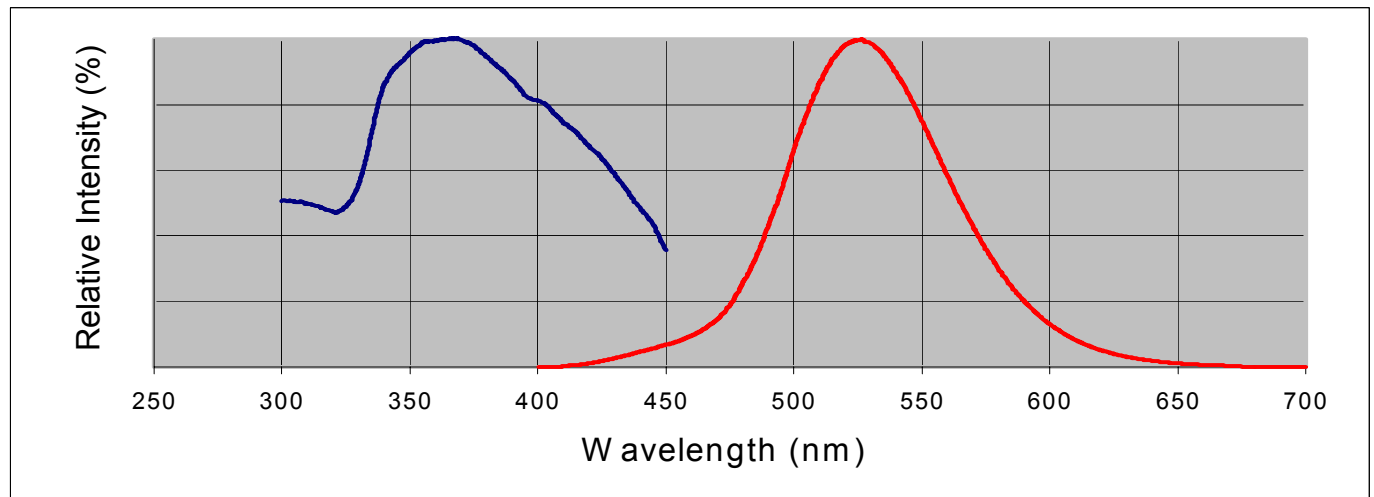
Phosphorescence Colour: Yellowish Green

1 min.	10 min.	30 min.	60 min.	0.32 mcd/m ²
359	28.0	7.3	2.6	310 min.

Tested according to DIN 67510, part 1

Excitation and Emission Spectrum

Excitation:	UV light, Day light, Fluorescent lamp, ...
Emission Peak Wavelength:	527 ± 3



NEMOTO PORTUGAL-MARCH 2009

The information herein is to assist customers in determining whether our products are suitable to their applications. We recommend that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty express or implied, including any warranty of merchantability or fitness nor of protection from any law or patent to be inferred. Other specification on demand.





Nemoto Long Afterglow Pigment

Product Data Sheet

Chemical Properties

Trade Name:	GSS-LA
Chemical Formula:	ZnS:Cu,Cl
Insoluble in:	Water, Organic Solvents
Moisture:	< 0.2%
Decomposition by:	Strong Acids
pH (Aqueous Solution)	Approximately 10

Physical Properties

Appearance:	Crystalline Yellowish White Fine Powder
Specific Gravity:	4.08 gr. / cm ³
Average Particle Size:	23 ± 3 µm (as Blaine Air Transmission Apparatus)

Phosphorescent Properties (Minimum Values)

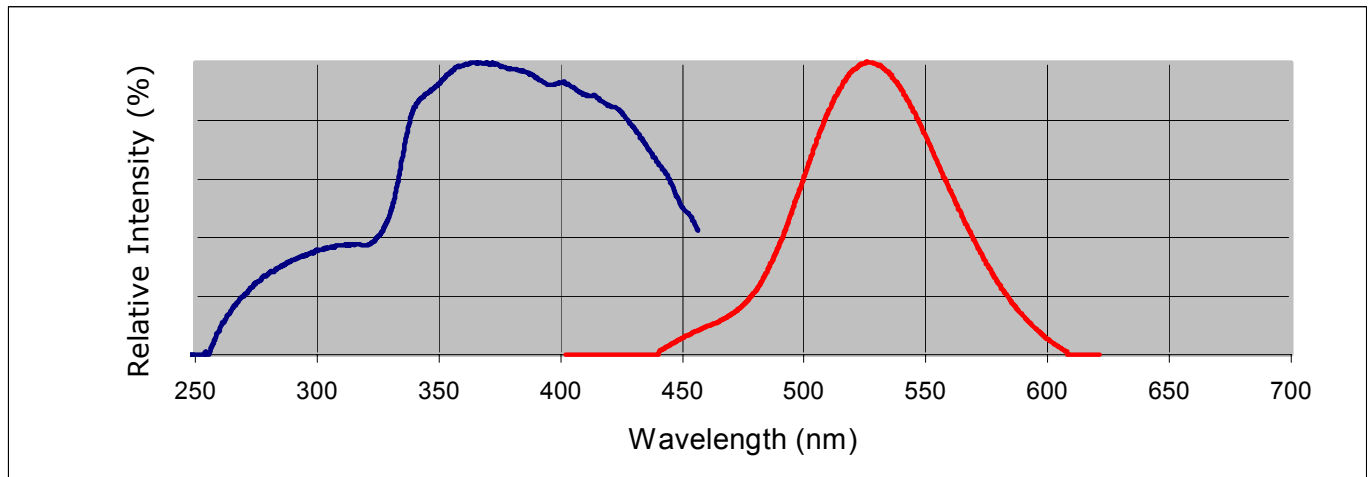
Phosphorescence Colour: Yellowish Green

1 min.	10 min.	30 min.	60 min.	0.32 mcd/m ²
294	25.4	7.6	3.6	560 min.

Tested according to DIN 67510, part 1

Excitation and Emission Spectrum

Excitation:	UV light, Day light, Fluorescent lamp, ...
Emission Peak Wavelength:	529 ± 3



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Nemoto Long Afterglow Pigment

Product Data Sheet

Chemical Properties

Trade Name:	GSS-SA
Chemical Formula:	ZnS:Cu,Cl
Insoluble in:	Water, Organic Solvents
Moisture:	< 0.2%
Decomposition by:	Strong Acids
pH (Aqueous Solution)	Approximately 10

Physical Properties

Appearance:	Crystalline Yellowish White Fine Powder
Specific Gravity:	4.08 gr. / cm ³
Average Particle Size:	27 ± 3 µm (as Blaine Air Transmission Apparatus)

Phosphorescent Properties (Minimum Values)

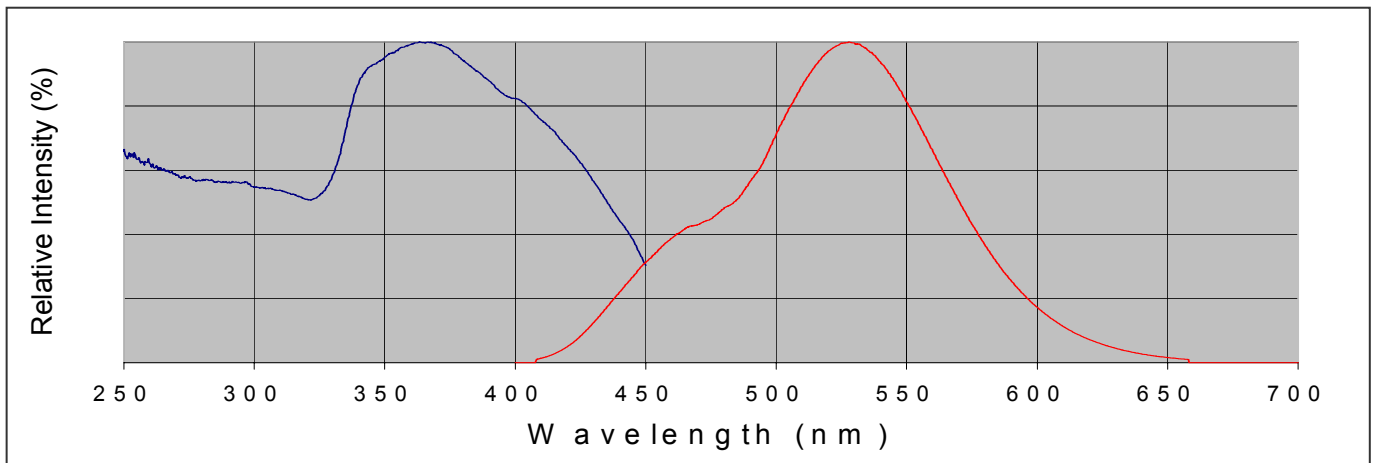
Phosphorescence Colour: Yellowish Green

1 min.	10 min.	30 min.	60 min.	0.32 mcd/m ²
185	25.4	9.2	4.6	1060 min.

Tested according to DIN 67510, part 1

Excitation and Emission Spectrum

Excitation:	UV light, Day light, Fluorescent lamp, ...
Emission Peak Wavelength:	527 ± 3



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