

# Technical Information

Long Afterglow Pigment

## Typical Chemical Properties

**Trade Name:** N50003-D

**Chemical Formula:** ZnS:Cu, Cl

**Insoluble in:** Water, Organic Solvents

**Moisture:** <0.2%

**Decomposition by:** Strong Acids

**pH (Aqueous Solution):** Approximately 7~8

## Typical Physical Properties

**Appearance:** Crystalline Yellowish White Fine Powder

**Specific Gravity:** 4.08 g/cm<sup>3</sup>

**Average Particle Size:** 26 ± 3µm

## Typical Phosphorescent Properties

**Phosphorescence Colour:** Yellowish Green

### Phosphorescence Values in mcd/m<sup>2</sup>

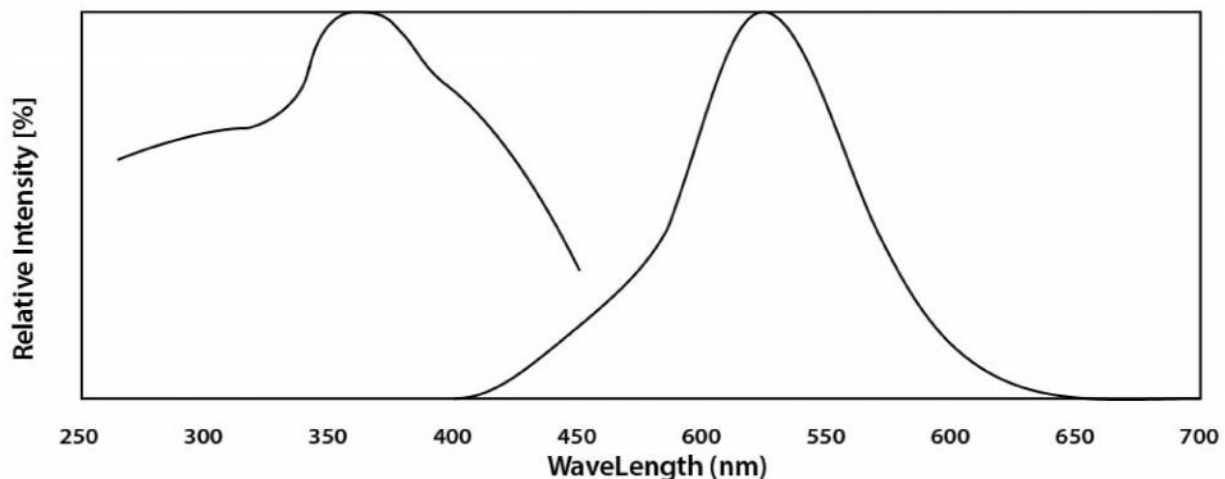
1 min	10min	30min	60min	0.32mcd/m <sup>2</sup>
359	28.0	7.3	2.6	310 min

Tested according to DIN 67510 (part1)

## Typical Excitation and Emission Spectrum

**Excitation:** UV light, Day light, Fluorescent lamp

**Emission Peak Wavelength:** 527nm (±3)



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