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## Technical data sheet

### Item

Product Description: Photoluminescent pigment

Model: L-ZZ660

### Application Scopes

Brush/roller paint indoors/outdoors, screen printing, signs, casting plastic, silicone rubber, toys and arts, etc.

### Typical chemical properties

Composition: Strontium Aluminate doped with Europium Dysprosium oxides.

Insoluble in organic solvents

Decomposition by: Strong acids, strong alkalines, water

Fastness to heat: -40~500C

### Typical physical properties

Appearance: Yellowish crystal powder

Specific gravity: 3.6g/cm<sup>3</sup>

Bulk Density: 1.21g/cm<sup>3</sup>

Particle size distribution: 10% <70~80um, 50% <100~120um, 90% <140~150um.

Hardness in Mohs scale: 7,6

### Typical luminescent properties

Excitation all visible light and UV light (200~450nm better)

Glow Color: Yellow green (Emitting light wavelength Peak: 520±2nm)

Afterglow Intensity after 10min >660 mcd/m<sup>2</sup>

60min >90 mcd/m<sup>2</sup>

600min >5.55 mcd/m<sup>2</sup>

Afterglow intensity(to 0.32mcd/m<sup>2</sup>): >7100min under norm DIN67 510

### Typical luminance data:

| Czas               | 10"   | 1'   | 2'   | 3'   | 4'   | 5'   | 10'   | 15'   | 20'   | 30'   | 40' | 50'   | 60'   | 90'   | 120'  | 180'  | 300'  | 600' |
|--------------------|-------|------|------|------|------|------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|------|
| Mcd/m <sup>2</sup> | 14120 | 5132 | 3062 | 2205 | 1730 | 1425 | 739,1 | 493,4 | 364,4 | 231,9 | 166 | 127,2 | 100,5 | 61,79 | 43,57 | 26,66 | 14,15 | 6,29 |

**Lifespan:** > 15years under well packing condition.

**Safety:**Toxic: No

Radioactive: No

### Other data:

- Using condition (recommended): With all colorless, transparent medium, such as paint, coating, resin, etc.
- Storage Condition: In cool, dry and ventilated place, with temperature -50~60C
- Packing: 100g, 500g, 1kg, 5kg – PE container; 25kgs /iron pail lined with plastic bags
- Norm Complied: EN71-3, RoHS, DGM, PSPA Class-D, JIS-Z9107 JD, IMO A.752(18), ISO 23601, UL924, ASTM E2030/E2072/E2073, ATPA SS-PS-002-98/SS-PS-004-99, BS 5499-1 2002, NYC Law 26.

Document has been made basing on supplier certificate.