



# JOLIN CORPORATION

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## Item

Product Description      Photoluminescent pigment  
 Model                              LG-B2-RW

## Application Scopes

Screen printing ink, brush/roller/spraying paint indoors, dip plastic coating, injection/extrusion/casting plastic, silicone rubber molding, etc.

## Typical chemical properties

Composition                      Strontium Aluminate dopped with Europium Dysprosium oxides.  
 Insoluble in                      organic solvents  
 Decomposition by              Strong acids, strong alkalines, water  
 Fastness to heat                -40~230°C

## Typical physical properties

Appearance                      Lemon yellow crystal powder  
 Specific gravity                 3.6g/cm<sup>3</sup>  
 Bulk Density                     1.21g/cm<sup>3</sup>  
 Average Particle size        100-120um              100% passing 100mesh

## Typical luminescent properties

Excitation                        all visible light and UV light (200~450nm better)  
 Glow Color                        Lemon Green  
 Afterglow Intensity after 10min    >280              mcd/m<sup>2</sup>  
     60min             >36.0             mcd/m<sup>2</sup>  
     600min          >2.20             mcd/m<sup>2</sup>

Afterglow intensity(to 0.32mcd/m<sup>2</sup>): >2970min under norm DIN67 510

## Typical luminance data

Time	10"	1'	2'	3'	4'	5'	10'	15'	20'	30'	40'	50'	60'	90'	120'	180'	300'	600'
mcd/m <sup>2</sup>	6418	2209	1292	912	697	567	286	188	138	87	62	47.2	37.3	22.9	16.1	9.79	5.19	2.32

Luminance Test Methods	<p>Under Norm DIN67510-1:2009</p> <p>Put sample in opaque container for 24hrs, Temperature: 23±2°C, expose the sample under 1000lx-D65 light source for 5', then turn off the light and test the sample's afterglow luminance at 2', 10', 30', and 60'.</p>
Luminance Test Instruments	<ul style="list-style-type: none"> <li>○ Charging Light Source D65 Xenon Lamp</li> <li>○ Charging Lamp Model Toshiba FL20S.D-EDL-D65</li> <li>○ Test Instruments Model Luminance Meter: Konica Minolta LS-150 Illuminance Meter: Konica Minolta T-10A</li> </ul>

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

**Safety:**

1. Toxic:

2. Radioactive: NO.

**Other data:**

1. Using Condition(recommended):

With all colorless, transparent medium, such as paint, coating, resin, etc.

20'Container FCL Q'ty: 11250kgs(palletized)

2. Storage Condition: In cool, dry and ventilated place, with temperature -50~60°C

4. Norm Complied: EN71-3, RoHS, DGM.

3. Packing: 25kgs /iron pail lined with plastic bags.  
G.W.: 26.6kgs, Dim: D31 x H34cm

5. Norm MEET: PSPA Class-E, JIS-Z9107 JC.

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