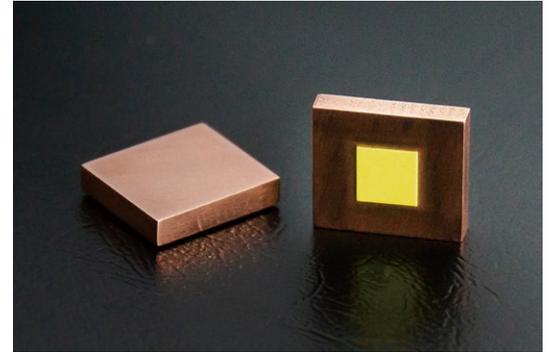


# Static Phosphor

## Static Phosphor for Projection Display

We offer various custom-configured Static Phosphor Assembly designs for different applications including projectors, solid state illumination, head-up displays, professional lighting, etc. The Static Phosphors Assembly is able to handle the high laser power density with excellent laser light converting performance while meet the requirements of the compact size for the new generation laser projectors or laser phosphor illumination system.

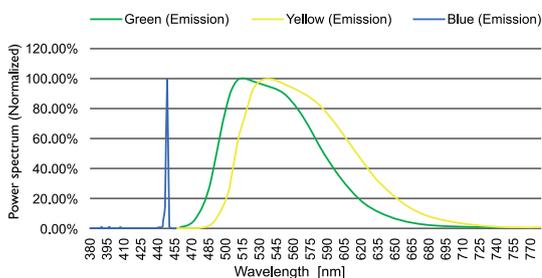


## Benefits

- Excellent efficiency performance for laser converting
- Excellent thermal conductivity
- Enhanced optical performance by optical
- Handle higher laser power density
- Full inorganic solution
- Superior reliability
- Compactness
- No moving parts

## Applications

- Digital Projection
- Laser TV
- Searchlights
- Medical Lighting e.g. Endoscopy
- Life Science
- Stage Lighting



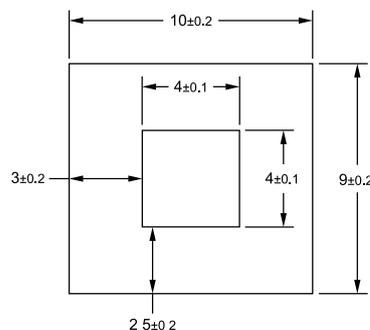
## Technical Data

### 1. Standard Product

Standard product dimension	
Metal plate (heat sink) L x W x T (in mm)	Static Phosphor L x W x T (in mm)
10 x 9 x 2	4 x 4 x 0.2
Customized dimensions/formats available depending on request	

### 2. Technical details

Items	Green	Yellow
Emission spectrum Efficacy [lm/W]	> =300	> =300
Color coordinates of emission	Cx = 0,337 +/- 0,005 Cy = 0,591 +/- 0,005	cx: 0.417 ± 0,005 cy: 0.561 ± 0,005
Peak wavelength [nm]	515	534
Laser irradiance limit [W/mm <sup>2</sup> ]	< =50	
Working temperature [°C]	-30 ~ 200	



Materion Precision Optics (Shanghai) Ltd.  
33# Building, No. 76 Fu Te Dong San Road  
WGQ Free Trade Zone, Pudong  
Shanghai 200131, P.R.C.

Shanghai  
T + 021 60574646  
info.mbo@materion.com  
www.materion.com/balzersoptics