**GAL565-02-03**

**Product Description and Application**

- GAL565-02-03 yellow phosphor has a broad emission spectrum designed for general lighting and display backlighting applications where high brightness is a key requirement.
- GAL565-02-03 can also be blended with Intematix red nitrides in either cool white or warm white blends to enhance efficacy.
- GAL565-02-03 yellow phosphor has high brightness, superior thermal stability and high reliability, which are all characteristics of Intematix aluminate phosphors.

*Intematix GAL ® phosphor composition is protected by US Patent 8,475,683.*

---

**Material Specification:**

**Materials**

<table>
<thead>
<tr>
<th>Aluminates</th>
</tr>
</thead>
</table>

**Density**

6.0 g/cm³

**Particle Size**

D50V ~3.0 μm

**CIE (1931)**

x=0.464, y=0.519

**Emission Peak**

567 nm

**Excitation Range**

200nm to 480 nm

---

*For more information about Intematix phosphors please contact your local sales representative.*