Jinan HonHai Glass Company Limited
Contents

- About us
- Street lights
- HighBay lights
- Spot lights
- Projects
- Customer-made
## Glass Lens composition

<table>
<thead>
<tr>
<th>Composition</th>
<th>Unit</th>
<th>Value</th>
<th>Composition</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiO2</td>
<td>%</td>
<td>80.23</td>
<td>MgO</td>
<td>%</td>
<td>0.0046</td>
</tr>
<tr>
<td>Fe2O3</td>
<td>%</td>
<td>0.014</td>
<td>K2O</td>
<td>%</td>
<td>0.053</td>
</tr>
<tr>
<td>Al2O3</td>
<td>%</td>
<td>2.25</td>
<td>Na2O</td>
<td>%</td>
<td>4.40</td>
</tr>
<tr>
<td>CaO</td>
<td>%</td>
<td>0.011</td>
<td>B2O3</td>
<td>%</td>
<td>12.82</td>
</tr>
</tbody>
</table>
### Experience requirements:

<table>
<thead>
<tr>
<th>S/N</th>
<th>Item</th>
<th>Measurement of area</th>
<th>Test result</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>点缺陷（异色点\气泡\凹坑\油渍）Point defect(bad points/bubbles)</td>
<td>D≤0.20mm，W≤0.1mm，N≤1（S≤0.3mm²）</td>
<td>✓</td>
</tr>
<tr>
<td>2</td>
<td>毛刺Burr</td>
<td>H≤0.3mm</td>
<td>✓</td>
</tr>
<tr>
<td>3</td>
<td>细划痕 Tiny scratches</td>
<td>L≤3mm，W≤0.1mm，N≤1（S≤0.3mm²）</td>
<td>✓</td>
</tr>
<tr>
<td>4</td>
<td>硬划痕/碰伤Hard scratches/crack</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
<tr>
<td>5</td>
<td>手印Fingerprint</td>
<td>不允许（以反光能检查到为条件）Not allowed(Take the checking after the reflecting light condition)</td>
<td>✓</td>
</tr>
<tr>
<td>6</td>
<td>变形 Changing shape</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
<tr>
<td>7</td>
<td>顶白\顶凸Surface projection\Surface hoar</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
<tr>
<td>8</td>
<td>填充不足 Insufficient filling</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
<tr>
<td>9</td>
<td>缩水Shrink</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
<tr>
<td>10</td>
<td>流纹Rhyolite</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
<tr>
<td>11</td>
<td>银条 sliver streak</td>
<td>不允许 Not allowed</td>
<td>✓</td>
</tr>
</tbody>
</table>
Products

Street lights

Item No.: GT-110NA

Beam angle: 75°*135° Deg.

Material: Borosilicate
Products

- Street lights

- (for stainless steel holder+sealing ring);

- (for Aluminum holder+sealing ring);
Products

Street lights (New Product)

Item No.: GT-110-27NA
Beam angle: 75°*135° Deg.

Non-glare Lens
Material: Borosilicate
Products

- Street lights

- (110series stainless steel holder+sealing ring);

- (for Aluminum holder+sealing ring);
Products

➤ Street lights

Item No.: GT-78-17NA

Beam Angle: 80*125Deg.

Material: Borosilicate
Products

- Street lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring);
**Products**

- **Street lights**

  - **Item No.:** GT-92NA
  - **Beam angle:** 80°*140 Deg.
  - **Material:** Borosilicate
Products

Street lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

Street lights (New Product)

Item No.: GT-92-2-6NA

Beam angle: 70°*120 Deg.

Material: Borosilicate

Same dimension with GT-92NA
Products

- Street lights

(for Aluminum holder+sealing ring);

(stainless steel holder+sealing ring: same with GT-92NA);
Products

Street lights (New Product)

- Item No.: GT-92-13NA
- Beam angle: Polarization effect
- Diamether: 92.3mm
- Height: 31mm
- Step height: 4.5mm
- Concave diamether: 56mm
- Material: Borosilicate
Products

➢ Street lights

same as the holder for GT-92-2NA

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

Street lights

Item No.: GT-57NA
Beam angle: 60° * 120° Deg.
Material: Borosilicate

型号/Model: 57内凹/GT-phic
材质/Material: 光学玻璃/optic gla.
透光率/light transmittance: 94%
Products

- Street lights

(For Stainless Steel holder + sealing ring);
Products

➢ Street lights

Item No.: GT-64NA

Beam angle: 60°*120 Deg.

Material: Borosilicate
Products

➤ Street lights

Item No.: GT-66-7NA

Beam angle: 85*130 Deg.

Material: Borosilicate
Products

- Street lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring);
Products

➤ Street lights

Item No.: GT-64-5NA  
Beam angle: 70°*130 Deg.  
Material: Borosilicate
Products

- Street lights

(for Aluminum holder+sealing ring);
Products

Street lights

Item No.: GT-90-3-2NA

Beam angle: 60°*130 Deg.

Material: Borosilicate
Products

➢ Street lights

(for stainless steel holder+sealing ring);
Products

➢ Street lights

Item No.: GT-107-7NA

Polarization effect especially for tunnel light

Material: Borosilicate
Products

- Street lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring); same holder with GT-110NA
Products

- Street lights

Item No.: GT-107-2NA

Polarization effect especially for tunnel light

Material: Borosilicate
Products

➢ Street lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring); same holder with GT-110NA
Products

➢ Street lights

Item No.: GT-107-11NA

Beam angle: 120°*160 Deg.

Material: Borosilicate
Products

- Street lights

  (for stainless steel holder + sealing ring);

  (for Aluminum holder + sealing ring); same holder with GT-110NA
Products Price

- Street lights

Item No.: GT-84NA

Beam angle: 50°*110 Deg.

Material: Borosilicate
Products

- Street lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring);
Products

➢ Street lights

Item No.: GT-129NA

Beam angle: 60°*130 Deg.

Material: Borosilicate
Products

Street lights

Item No.: GT-66-2NA

Beam angle: 60°*120 Deg.

Material: Borosilicate
Products

Street lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

- Street lights

Item No.: GT-65-3NA

Beam angle: 60° * 120° Deg.

Material: Borosilicate
Products

- Street lights

Item No.: GT-SL05
Beam angle: 60*120 Deg.
Material: Borosilicate
Products

Spot lights

Item No.: GT-40-12NA
Beam angle: 80 Deg.
Material: Borosilicate
Products

➢ Highbay lights

Item No.: GT-78-4NA

Beam angle: 90 Deg.

Material: Borosilicate
Products

➢ Highbay lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

- Highbay lights (New Product)

Item No.: GT-78-3NA
Beam angle: 90 Deg.
Material: Borosilicate
Products

➢ Highbay lights

（for Aluminum holder+sealing ring）;
Products

➢ Highbay lights

Item No.: GT-66-6NA  
Beam angle: 60 Deg.  
Material: Borosilicate
Products

- Highbay lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring);
Products

⇒ Highbay lights

Item No.: GT-66-8NA

Beam angle: 90 Deg.

Material: Borosilicate
Products

➢ Highbay lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

- Highbay lights (New Product)

- Item No.: GT-66-11NA

- Beam angle: 120 Deg.

- Material: Borosilicate
Products

Highbay lights (New Product)

(for Aluminum holder+sealing ring);

(Stainless steel holder+sealing ring: same with 66 series);
Products

- Highbay lights

Item No.: GT-68-3NA

Beam angle: 110 Deg.

Material: Borosilicate
Products

- Highbay lights

(for Aluminum holder+sealing ring)
Products

➢ Highbay lights

Item No.: GT-78-24NA

Beam angle: 60 Deg.

Material: Borosilicate
Products

➢ Highbay lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

Highbay lights

Item No.: GT-78-45NA
Beam angle: 120 Deg.
Material: Borosilicate
Products

➢ Highbay lights

(for stainless steel holder + sealing ring);

(for Aluminum holder + sealing ring);
Products

- Highbay lights

Item No.: GT-78-22NA

Beam angle: 180 Deg.

Material: Borosilicate
Products

➢ Highbay lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

- Highbay lights

Item No.: GT-78-23NA
Beam angle: 160 Deg.
Material: Borosilicate
Products

- Highbay lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring);
Products

- Highbay lights (New Product)

Item No.: GT-78-43NA

Beam angle: 100 Deg.

Material: Borosilicate
Products

➢ Highbay lights

(Stainless steel holder+sealing ring: same with 78 series);

(for Aluminum holder+sealing ring);
Products

- Highbay lights

Item No.: GT-91NA

Beam angle: 120 Deg.

Material: Borosilicate
Products

- Highbay lights

Item No.: GT-71NA
Beam angle: 90 Deg.
Material: Borosilicate
Products

➢ Highbay lights

Item No.: GT-100-4NA
Beam angle: 90 Deg.
Material: Borosilicate
Products

- Highbay lights

  (for stainless steel holder+sealing ring);

  (for Aluminum holder+sealing ring);
Products

➢ Highbay lights

Item No.: GT-100-4NA(frost)  Beam angle: 90 Deg.

Material: Borosilicate
Products

- Highbay lights

  (for Aluminum holder+sealing ring);

  (for stainless steel holder+sealing ring);
Products

- Highbay lights (New Product)

Item No.: GT-100-20NA

Beam angle: 90 Deg.

Material: Borosilicate
Products

- Highbay lights

  （for Aluminum holder+sealing ring）

  （for stainless steel holder+sealing ring）
Products

- Highbay lights

- Item No.: GT-100-7NA

- Beam angle: 90 Deg.

- Material: Borosilicate
Products

- **Highbay lights**

  - Stainless steel holder + sealing ring

  ![Highbay light with stainless steel holder and sealing ring](image-1)

  - Aluminum holder sealing ring

  ![Highbay light with aluminum holder and sealing ring](image-2)
Products

- Highbay lights

Item No.: GT-100-7NA (Concave frosted)

Beam angle: 90 Deg.

Material: Borosilicate
Products

- Highbay lights

(for stainless steel holder+sealing ring);

same Aluminum holder sealing ring as 100series
Products

➢ Highbay lights

Item No.: GT-94-8NA
Special for CLL052

Beam angle: 70 Deg.
Material: Borosilicate
Products

➢ Highbay lights

Aluminum holder +sealing ring
Products

- Highbay lights (New Product)

- Item No.: GT-114-4NA
- Special for CLL052

- Beam angle: 110 Deg.
- Material: Borosilicate
Products

- Highbay lights

Aluminum holder +sealing ring
Products

- Highbay lights

Item No.: 107-6NA

Beam angle: 90 Deg.

Material: Borosilicate
Products

- Highbay lights

(For stainless steel holder+sealing ring) ;
Products

- Highbay lights

Item No.: 110-6NA

Beam angle: 90 Deg.
Products

- Highbay lights

Item No.: GT-100-5NA

Beam angle: 60 Deg.

Material: Borosilicate
Products

- Highbay lights

- (100series stainless steel holder+sealing ring);

- (with Aluminum holder+sealing ring);
Products

- Highbay lights

Item No.: GT-109-2NA

Beam angle: 90 Deg.

Material: Borosilicate
Products

- Highbay lights

Aluminum holder + sealing ring
.Products

- Plano Convex Lens

Item No.: 107-17

Beam angle: 100 Deg.
Properties

- Item No.: GT-44.5
- Beam angle: 45 Deg.
- Material: Borosilicate
Products

- Plano Convex Lens

- Item No.: GT-78-8
- Beam angle: 60 Deg.
- Material: Borosilicate
Products

➢ Plano Convex Lens

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

➤ Plano Convex Lens

Item No.: GT-91PT
Beam angle: 120 Deg.
Material: Borosilicate
Products

- Plano Convex Lens

Item No.: GT-75LW

Beam angle: 120 Deg.

Material: Borosilicate
Products

➢ Plano Convex Lens

Item No.: GT-100-00

Beam angle: 120 Deg.

Material: Borosilicate
Products

- Plano Convex Lens
  - (for stainless steel holder+sealing ring);
  - (for Aluminum holder+sealing ring);
Products

Spot-lights

Item No.: GT-49-4NA
Beam angle: 80 Deg.
Material: Borosilicate
Products

➤ Spot-lights

Item No.: GT-50NA/GT-50-22NA

Beam angle: 80 Deg./ 55deg.

Material: Borosilicate
Products

- Spot-lights

(for stainless steel holder+sealing ring);

(for Aluminum holder+sealing ring);
Products

- Spot-lights

Item No.: GT-Combination Lens

Beam angle: 40 Deg.

Material: Borosilicate
Products

➤ Reflector Lens

Item No.: GT-67-7
Beam angle: 45 Deg.
Material: Borosilicate
Products

- Reflector Lens

(for aluminium holder+sealing ring);
Products

➢ Reflector Lens

Item No.: GT-30-17

Beam angle: 20 Deg.

Material: Borosilicate
Products

➤ Reflector Lens

Item No.: GT-50-46
Beam angle: 30 Deg.
Material: Borosilicate
Products

- Reflector Lens (New Product)

- Item No.: GT-85-10
- Beam angle: 30 Deg.
- Material: Borosilicate
Products

- Reflector Lens

(for aluminium holder+sealing ring)
Products

- Projects

Item No.: Fly eyes

Material: Borosilicate
Projects

Item No.: Double Fly eyes
Material: Borosilicate
Projects

Item No.: Fresnel Lens

Material: Borosilicate
Items No.: GT-60TY

- Rectangular spot beam
- Material: Borosilicate