HIGH QUALITY SPORTS FLOOD LIGHTING

<table>
<thead>
<tr>
<th>Product Code</th>
<th>HQLF1000/225/TG55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>1000W</td>
</tr>
<tr>
<td>Luminous Flux</td>
<td>91lm/W</td>
</tr>
<tr>
<td>Replace</td>
<td>2000W(HID)</td>
</tr>
</tbody>
</table>

**PRODUCT CHARACTERISTIC**

- 216 ° adjustable angle
- 13 flexible positions makes project angle can be adjusted within 216 °
- Copper heatpipe
  - By riveting the heatpipe to the fins, the heatpipe can conduct heat rapidly from chips bottom to the fins, greatly lower down the temperature of light source, extending its life span.
- Respirator design
  - Waterproof design, eliminating mist, avoiding condensation, improving quality, extending the life span.
- 92% reflective rate
  - Reflective's beam angle 62 °. Reflective rate could reach up to 92%.

**APPLICATIONS**

Complete lamp can replace traditional high pressure sodium lamp over 2000W. It can instant start, and has long life span, low consumption of energy, and polluting-free. It can be widely used at the stadium, golf course, wharf, square, etc.

**FEATURES**

- Color Temperature: 3000K/4000K/6500K
- Luminous Flux: 91lm/W
- Input Voltage: 220 to 480Vac
- Power: 900W
- Circuit Power: 1000W
- Power Factor: 0.9
- Beam Angle: 50° x 90° / 10° x 90°
- Life: Over 50,000 Hours (at 25 °C)
- CRI: 75Ra (Available by demand)
- IP Rating: IP65
- Mounting Height: Pavilions

**DIMENSIONS**

**LIGHT DISTRIBUTION CURVE**

- High Power
- Adjustable Current (DIP switch)
- AC 200v-480v
- Dimmable 0-10v/PWM
- Surge Protection

**LED DRIVERS**

- 216 adjustable angle
- 13 flexible positions makes project angle can be adjusted within 216 °
- Copper heatpipe
  - By riveting the heatpipe to the fins, the heatpipe can conduct heat rapidly from chips bottom to the fins, greatly lower down the temperature of light source, extending its life span.
- Respirator design
  - Waterproof design, eliminating mist, avoiding condensation, improving quality, extending the life span.
- 92% reflective rate
  - Reflective's beam angle 62 °. Reflective rate could reach up to 92%.

**ERICA RECOMMENDS**

- Color Temperature: 3000K/4000K/6500K
- Luminous Flux: 91lm/W
- Input Voltage: 220 to 480Vac
- Power: 900W
- Circuit Power: 1000W
- Power Factor: 0.9
- Beam Angle: 50° x 90° / 10° x 90°
- Life: Over 50,000 Hours (at 25 °C)
- CRI: 75Ra (Available by demand)
- IP Rating: IP65
- Mounting Height: Pavilions

**WIRING DIAGRAM**

- AC 100-240V
**APPLICATION**
Apply to indoor & outdoor LED lighting fixtures.

**PRODUCT CHARACTERISTICS**
- Using DIP switch to achieve three different current options, with 1~10V/PWM dimming function.
- International AC input voltage range: AC220~480V
- Surge Protection
- Isolation circuits design
- Protection: Output short circuit protection, Output open circuit protection, Output over-load protection
- UL listed

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>AC200~480V</td>
</tr>
<tr>
<td>Frequency</td>
<td>47~63Hz</td>
</tr>
<tr>
<td>Leakage current</td>
<td>&lt; 0.5mA at 508.8VAC</td>
</tr>
<tr>
<td>Startup time</td>
<td>0<del>2S, 200VAC / 0</del>1S, 480VAC</td>
</tr>
</tbody>
</table>

**Environment**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40℃~+50℃</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40℃~+85℃</td>
</tr>
<tr>
<td>Service life</td>
<td>50,000 hour (25℃)</td>
</tr>
</tbody>
</table>

**Safety & EMC**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withstand Voltage</td>
<td>I/P - O/P: 3.75KVAR, 60s; I/P - FG: 1.875KVAR, 60s; O/P - FG: 1.875KVAR, 60s</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>EN61000-4-5 (Surge: L-N: 6KVAC, L-FG: 6KVAC, N-FG: 6KVAC)</td>
</tr>
<tr>
<td>Performance/safety standards</td>
<td>UL8750, UL1012, UL1310, UL60950</td>
</tr>
<tr>
<td>EMC</td>
<td>ANSI/C63.4-2009 Class B</td>
</tr>
</tbody>
</table>

**Application**

**PRODUCT CHARACTERISTICS**

- Using DIP switch to achieve three different current options, with 1~10V/PWM dimming function.
- International AC input voltage range: AC220~480V
- Surge Protection
- Isolation circuits design
- Protection: Output short circuit protection, Output open circuit protection, Output over-load protection
- UL listed

**Electrical Characteristics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>AC200~480V</td>
</tr>
<tr>
<td>Frequency</td>
<td>47~63Hz</td>
</tr>
<tr>
<td>Leakage current</td>
<td>&lt; 0.5mA at 508.8VAC</td>
</tr>
<tr>
<td>Startup time</td>
<td>0<del>2S, 200VAC / 0</del>1S, 480VAC</td>
</tr>
</tbody>
</table>

**Environment**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-40℃~+50℃</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40℃~+85℃</td>
</tr>
<tr>
<td>Service life</td>
<td>50,000 hour (25℃)</td>
</tr>
</tbody>
</table>

**Safety & EMC**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withstand Voltage</td>
<td>I/P - O/P: 3.75KVAR, 60s; I/P - FG: 1.875KVAR, 60s; O/P - FG: 1.875KVAR, 60s</td>
</tr>
<tr>
<td>Surge Protection</td>
<td>EN61000-4-5 (Surge: L-N: 6KVAC, L-FG: 6KVAC, N-FG: 6KVAC)</td>
</tr>
<tr>
<td>Performance/safety standards</td>
<td>UL8750, UL1012, UL1310, UL60950</td>
</tr>
<tr>
<td>EMC</td>
<td>ANSI/C63.4-2009 Class B</td>
</tr>
</tbody>
</table>

**Quality Assurance**

- Underwriters Laboratories (UL)
- EN61000-4-5 (Surge: L-N: 6KVAC, L-FG: 6KVAC, N-FG: 6KVAC)
- UL8750, UL1012, UL1310, UL60950
- ANSI/C63.4:2009 Class B

**Certification**

- Underwriters Laboratories (UL)
- EN61000-4-5 (Surge: L-N: 6KVAC, L-FG: 6KVAC, N-FG: 6KVAC)
- UL8750, UL1012, UL1310, UL60950
- ANSI/C63.4:2009 Class B
Dimming Control Constant Current Driver (3 current options)

- **Application**
  Apply to indoor & outdoor LED lighting fixtures.

- **Product Characteristic**
  - Using DIP switch to achieve three different current options, with 1~10V/PWM dimming function.
  - International AC input voltage range: AC220-480V
  - Anti-thunder attack
  - Isolation circuits design
  - Protection: Output short circuit protection, Output open circuit protection, Output over-load protection
  - UL listed

### Electrical Characteristics

- **Frequency range**: AC200-480V
- **Frequency**: 47~63Hz
- **Leakage current**: < 0.5mA at 508.8VAC
- **Start up time**: 0-2S, 200VAC 0-1S, 480VAC

### Environment

- **Operating Temperature**: -40°C~50°C
- **Storage temperature**: -40°C~65°C
- **Service life**: 50000 hour (25°C)

### Safety & EMC

- **Withstand Voltage**
  - I/P - O/P: 3.75KVAC, 60s
  - I/P - FG: 1.875KVAC, 60s
  - O/P: FG: 1.875KVAC, 60s
- **Surge Protection**
  - EN61000-4-5 (Surge: L-N: 6KVAC, L-FG: 6KVAC, N-FG: 6KVAC)
- **Performance / safety standards**
  - UL8750, UL1012, UL1310, UL60950
- **EMC**
  - ANSI/CGA 1A2009 Class B

### Power: 30W~85W

- **Material**: Aluminum case
- **Output line way**: Silicone cable
- **Certification**: For Outdoor Use

<table>
<thead>
<tr>
<th>Code</th>
<th>Model</th>
<th>Input</th>
<th>Power(W)</th>
<th>Constant current output</th>
<th>Dimming range</th>
<th>PF(0)</th>
<th>Efficiency</th>
<th>L x W x H (mm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>80808</td>
<td>HGLPC20/225/700</td>
<td>200-480V</td>
<td>9-30W</td>
<td>3.75KVAC : 60s</td>
<td>0-10%</td>
<td>30%</td>
<td>88%</td>
<td>242 x 50 x 40.5</td>
<td>UL</td>
</tr>
<tr>
<td>80809</td>
<td>HGLPC50/225/700</td>
<td>200-480V</td>
<td>18-50W</td>
<td>1.875KVAC : 60s</td>
<td>0-10%</td>
<td>30%</td>
<td>88%</td>
<td>242 x 50 x 40.5</td>
<td>UL</td>
</tr>
<tr>
<td>80810</td>
<td>HGLPC85/225/1400</td>
<td>200-480V</td>
<td>23-85W</td>
<td>1.875KVAC : 60s</td>
<td>0-10%</td>
<td>30%</td>
<td>88%</td>
<td>242 x 50 x 40.5</td>
<td>UL</td>
</tr>
</tbody>
</table>

### Power: 100W~150W

- **Material**: Aluminum case
- **Output line way**: Silicone cable
- **Certification**: For Outdoor Use

<table>
<thead>
<tr>
<th>Code</th>
<th>Model</th>
<th>Input</th>
<th>Power(W)</th>
<th>Constant current output</th>
<th>Dimming range</th>
<th>PF(0)</th>
<th>Efficiency</th>
<th>L x W x H (mm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>80811</td>
<td>HGLPC101/225/3100</td>
<td>200-480V</td>
<td>29-101W</td>
<td>2100KVAC : 5%</td>
<td>0-10%</td>
<td>10%</td>
<td>88%</td>
<td>250 x 63 x 38</td>
<td>UL</td>
</tr>
<tr>
<td>80812</td>
<td>HGLPC150/225/3100</td>
<td>200-480V</td>
<td>35-151W</td>
<td>2750KVAC : 5%</td>
<td>0-10%</td>
<td>10%</td>
<td>88%</td>
<td>250 x 63 x 38</td>
<td>UL</td>
</tr>
</tbody>
</table>

### Power: 200W~350W

- **Material**: Aluminum case
- **Output line way**: Silicone cable
- **Certification**: For Outdoor Use

<table>
<thead>
<tr>
<th>Code</th>
<th>Model</th>
<th>Input</th>
<th>Power(W)</th>
<th>Constant current output</th>
<th>Dimming range</th>
<th>PF(0)</th>
<th>Efficiency</th>
<th>L x W x H (mm)</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>80813</td>
<td>HGLPC200/225/2800</td>
<td>200-480V</td>
<td>77-202W</td>
<td>2800KVAC : 5%</td>
<td>0-10%</td>
<td>10%</td>
<td>88%</td>
<td>265 x 99 x 50</td>
<td>UL</td>
</tr>
<tr>
<td>80814</td>
<td>HGLPC250/225/3300</td>
<td>200-480V</td>
<td>91-256W</td>
<td>3300KVAC : 5%</td>
<td>0-10%</td>
<td>10%</td>
<td>88%</td>
<td>265 x 99 x 50</td>
<td>UL</td>
</tr>
<tr>
<td>80815</td>
<td>HGLPC300/225/4000</td>
<td>200-480V</td>
<td>96-304W</td>
<td>4000KVAC : 5%</td>
<td>0-10%</td>
<td>10%</td>
<td>88%</td>
<td>265 x 99 x 50</td>
<td>UL</td>
</tr>
</tbody>
</table>