Helios™ (NJZ-FLI Series)
High Temperature Lighting
80°C LED High Bay
The Helios™ NJZ-FLI Series LED Luminaire combines optical performance, energy efficiency, and outstanding versatility to meet the requirements of high temperature lighting applications in high-temperature, dust, corrosive gas environment, delivers a wide range of light outputs that replace 200W-400W HID fixtures.

NJZ-FLI Series offers higher efficacy for increased energy savings, lower maintenance costs and shorter paybacks.

### Features

- Innovative design with excellent heat dissipation performance
- Heat-sinking technology ensures long lifespan and low light decline
- IP67 protection for wet locations
- Imported tempered glass lens, non-yellowing and non-cracking for long term application
- Heavy Duty Anodized aluminum housing and corrosion resistant coating
- Valid over the entire temperature range from -40°C to +80°C (-40 ºF ~ +176 ºF)

### Compliance

UL1598 / DLC* / FCC

Not all product variations listed on this page are DLC qualified.*

Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualification.

CE / RoHS

IP67

IK08

5G

1000hrs salt spray

### Application

- Steel plant
- Aluminum smeltery
- Pulp Paper Mills
- High-temperature, dust, corrosive gas environment

### Warranty

4-year Warranty (12Hrs / Day) or 30000hrs @ Ta=+65°C-+80°C

5-year Warranty (24Hrs / Day) @ Ta=-40°C-+65°C

LED lumen Maintenance: L70>75,000 Operation Hours@80°C
### Product Dimensions

**Model** | **Angle** | **Mounting** | **Net Weight (KG)** | **Production Demision (L×W×H)** | **Gross Weight KG** | **Package Demision (L×W×H)** |
---|---|---|---|---|---|---|
**NJZ-FLI-150S** | **110°** | Hanging Ring | 10.8 | Φ260×623mm | 12.3 | 653X309X315mm |
| | | Hanging Hook | 10.8 | Φ260×640mm | 12.3 | |
| | | Pendant (DN15) | 10.8 | Φ260×643mm | 12.3 | |
| | | Junction Box(NPT 3/4”) | 13.1 | Φ260×699mm | 16.0 | 760X417X315mm |
| | | Junction Box+U Bracket(ceiling) | 14.1 | Φ260×721mm | 17.0 | |
| | **60°** | Hanging Ring | 10.8 | Φ380×732mm | 12.3 | 653X309X315mm |
| | | Hanging Hook | 10.8 | Φ380×749mm | 12.3 | |
| | | Pendant (DN15) | 10.8 | Φ380×752mm | 12.3 | |
| | | Junction Box(NPT 3/4”) | 13.1 | Φ380×808mm | 16.0 | 760X417X315mm |
| | | Junction Box+U Bracket(ceiling) | 14.1 | Φ380×810mm | 17.0 | |

### Mounting

- **Hanging Mount-A**
  - Hanging Ring
  - Mallable Hook
- **Hanging Mount-B**
- **Pendant**
  - Trunnion Bracket
- **Junction Box**
  - NPT 3/4”
  - + U Bracket
- **Wall / Ceiling**
  - U Bracket
## Technical Parameter

### Electrical

<table>
<thead>
<tr>
<th>Specification</th>
<th>FLI-150S-V01</th>
<th>FLI-150S-V04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Power</td>
<td>150W</td>
<td>150W</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>AC120-277V</td>
<td>AC347-480V</td>
</tr>
<tr>
<td>Input Frequency</td>
<td>50/60Hz</td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>≥0.9</td>
<td></td>
</tr>
<tr>
<td>Driver Efficiency</td>
<td>≥90%</td>
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<tr>
<td>Dimmable</td>
<td>0/1~10V</td>
<td>6Kv</td>
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<tr>
<td>Surge Protection</td>
<td></td>
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</table>

### Optical

<table>
<thead>
<tr>
<th>Specification</th>
<th>FLI-150S-V01</th>
<th>FLI-150S-V04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lumen Output</td>
<td>22500Lm</td>
<td>22500Lm</td>
</tr>
<tr>
<td>Lumens Per Watt</td>
<td>150Lm/W*</td>
<td>150Lm/W*</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>60° /110°</td>
<td></td>
</tr>
<tr>
<td>Correlated Color Temperature (CCT)</td>
<td>4000K/5000K/5700K</td>
<td>Ra≥70</td>
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<tr>
<td>Color Rendering Index (CRI)</td>
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</table>

*value calculated based on 5000K, varies to different spec

### Environmental

<table>
<thead>
<tr>
<th>Specification</th>
<th>FLI-150S-V01</th>
<th>FLI-150S-V04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Operating Humidity</td>
<td>10% ~ 90% RH</td>
<td>10% ~ 90% RH</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>-40°C ~ +80°C</td>
<td>-40°C ~ +80°C</td>
</tr>
<tr>
<td>Optimal Operating Temperature</td>
<td>25°C (77°F)</td>
<td>25°C (77°F)</td>
</tr>
</tbody>
</table>

### Mechanical

<table>
<thead>
<tr>
<th>Specification</th>
<th>FLI-150S-V01</th>
<th>FLI-150S-V04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing Material</td>
<td>Aluminum</td>
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</tr>
<tr>
<td>Lens Material</td>
<td>Tempered glass</td>
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<tr>
<td>Mounting Options</td>
<td>Pendant, Hanging Mount, Junction Box, Junction Box + U Bracket, Wall / Ceiling + U Bracket</td>
<td></td>
</tr>
</tbody>
</table>
Photometric

60 Degree

110 Degree
Ordering Information and Mounting Accessories

**NJZ** - **FLI** - **150S** - **V01** - **RZ** - **60** - **B** - **HK01**

**Brand** - **Series** - **Power** - **Voltage** - **Color Temperature** - **Beam Angle** - **Dimming** - **Accessories**

*: Suffix not within nomenclature as per Certification, for marketing purpose only

**BRAND**
NJZ

**SERIES**
FLI

**POWER**
150S=150W

**VOLTAGE**
V01= AC120-277V
V04= AC347-480V

**COLOR TEMPERATURE**
RL= 4000K
RZ= 5000K
RM= 5700K

**BEAM ANGLE**
60=60°
110=110°

**DIMMING**
B=0/1-10V (Standard)

**ACCESSORIES**
HK01 = Hanging Ring ( M12 Eyebolt )
HK02 = Malleable Hook ( M12 )
HK03 = Trunnion Bracket ( Discontinued )
HK04 = U Bracket ( Black Finish )
JB02 = Junction Box NPT 3/4” ( Black Finish )
JB03 = Junction Box + U Bracket ( Black Finish )
LS01 = 60° Lampshade
LS02 = 110° Lampshade
SP01=10KV Surge Protector 100~277V
SP02=10KV Surge Protector 347~480V

**HK01**
Hanging Mount-A
Hanging Ring
M12 eyebolt SUS316

**HK02**
Hanging Mount-B
Malleable Hook
M12 SUS316

**HK03**
Pendant
Trunnion Bracket
RAL9010 SUS 304

**HK04**
Wall / Ceiling
U Bracket SUS304
( Black Finish )

**JB02**
Junction Box NPT 3/4”
( Black Finish )

**JB03**
Junction Box + U Bracket
( Black Finish )

**LS01**
60° Lampshade

**LS02**
110° Lampshade
( Black Finish )

**SP01/SP02**
10KV Surge Protector