Helios™ （NJZ-FLI Series）

High Temperature Lighting
80°C LED High Bay

NJZ
LIGHTING

Helios™

High Temperature Lighting —80°C LED High Bay

NJZ-FLI Series

Product description

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 enviroment, 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.*
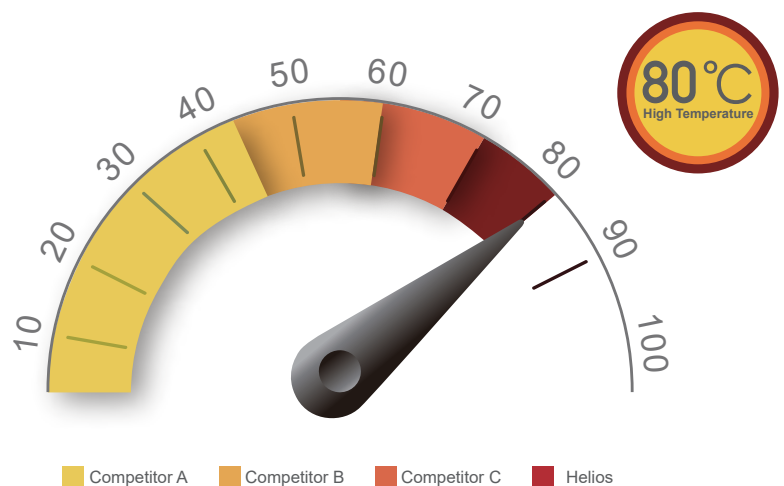Visit www.designlights.org/search to confirm qualification.

CE / RoHS
IP67
IK08
5G
1000hrs salt spray

Application

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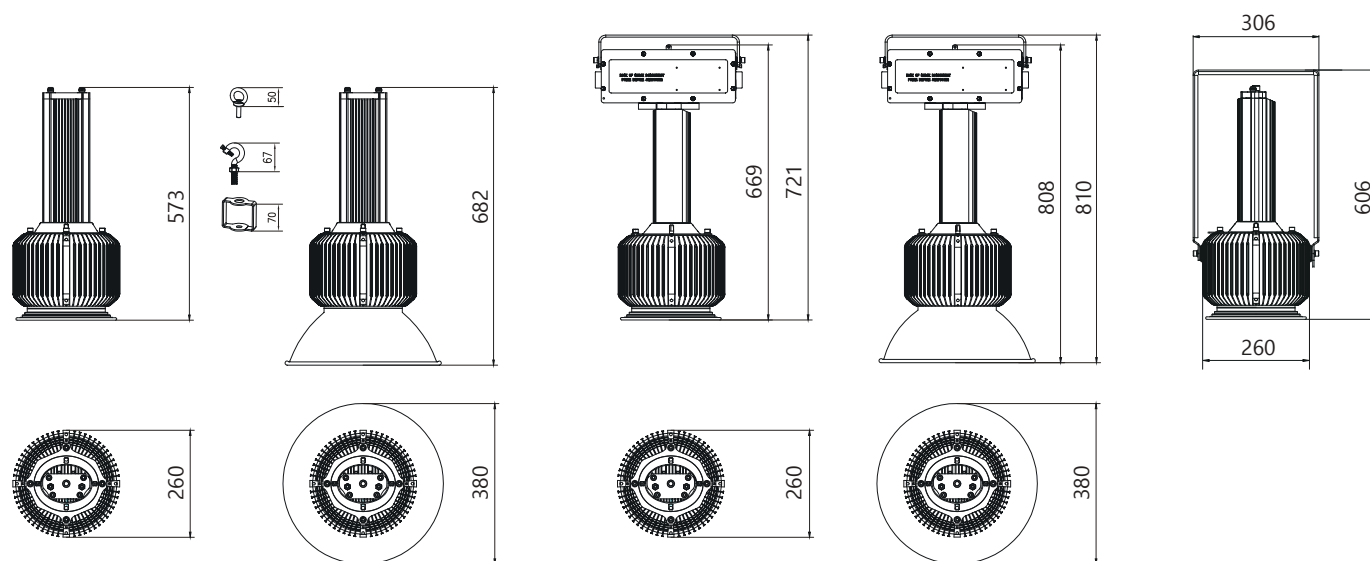- High-temperature, dust, corrosive gas environment

80°C High Temperature

10 20 30 40 50 60 70 80 90 100

Competitor A Competitor B Competitor C Helios

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

Unit:mm

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	
		Juction Box(NPT 3/4")	13.1	Φ260×699mm	16.0	760X417X315mm
		Juction Box+U Bracket(celling)	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	
		Juction Box(NPT 3/4")	13.1	Φ380×808mm	16.0	760X417X315mm
		Juction Box+U Bracket(celling)	14.1	Φ380×810mm	17.0	

Mounting

Hanging Mount-A Hanging Ring · Hanging Mount-B Mallable Hook · Pendant Trunnion Bracket · Junction Box NPT 3/4" · Junction Box + U Bracket · Wall / Ceiling U Bracket

Technical Parameter

Electrical

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

Optical

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

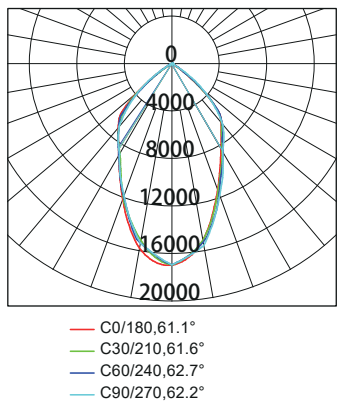*value calculated based on 5000K ,varies to differrent spec

Environmental

Specification	FLI-150S-V01	FLI-150S-V04
Ambient Operating Humidity	10%~90% RH	
Ambient Operating Temperature	-40°C ~+80°C	
Optimal Operating Temperature	25°C (77°F)	

Mechanical

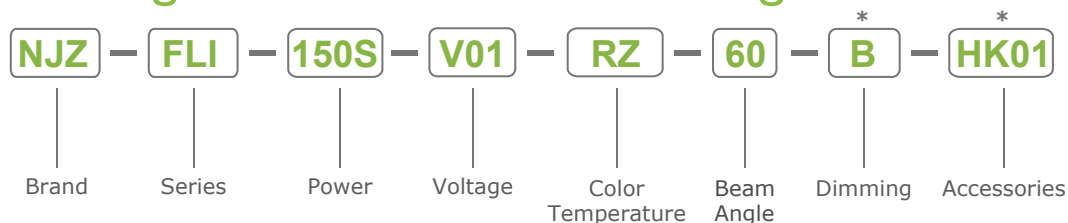| Specification	FLI-150S-V01	FLI-150S-V04
Housing Material	Aluminum	
Lens Material	Tempered glass	
Mounting Options	Pendant ,Hanging Mount , Junction Box , Junction Box + U Bracket, Wall / Ceiling + U Bracket	

Photometric

60 Degree

—— C0/180,61.1°
—— C30/210,61.6°
—— C60/240,62.7°
—— C90/270,62.2°

110 Degree

—— V 0.0DEG PLAN,111.8
—— H 0.0DEG PLAN,112.2
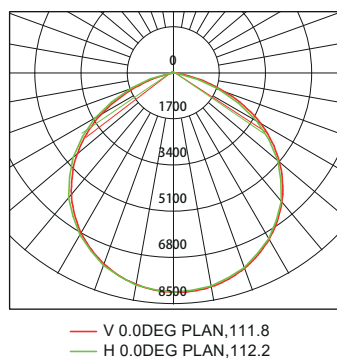
Ordering Information and Mounting Accessories

| 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 = Mallable 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)

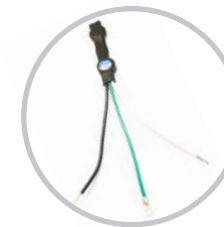**JB03**
Junction Box + U Bracket
(Black Finish)

LS01
60° Lampshade

LS02
110° Lampshade
(Black Finish)

SP01/SP02
10KV Surge Protector