

Born for Industrial Safety



Victory™ (NJZ-FLP Series)

Industrial Lighting

• Sports / High mast / Area Lighting



2020-02-10 V1.0 EN

Victory™

Sports / High mast / Area Lighting

NJZ-FLP Series



Product description

The Victory™ NJZ-FLP Series LED Luminaire combines optical performance, energy efficiency, and outstanding versatility to meet the requirements of field lighting solutions in outdoor stadiums, indoor areas, site lighting, parking lots, food processing, warehouses, and a variety of different manufacturing applications, also delivers a wide range of light outputs that replace 200W-2,000W HID / HPS / Metal halide fixtures.

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

Features

- Innovative design accommodates up to 6 LED modules
- Heat-sinking technology ensures long lifespan and low light decline
- Double coupling design guarantees IP67 protection for wet locations
- High luminous efficacy-Up to 150 Lm/W
- Input Voltage: AC120-277V, AC347-480V (50/60Hz)
- Instant illumination and restrike-no warm-up time required
- Anti-corrosion housing tested 500hrs to standard ASTM"B117-11"
- All exposed fasteners with quality stainless steel 316
- High Temperature silicone gasketing
- Thermal shock and impact resistant tempered glass or PC Lens
- Valid over the entire temperature range from -40°C to 50°C (-40 °F to 122 °F)

Compliance

CB/CE/RoHS
IP67
IK10 (PC) IK08 (Glass)
5G

Warranty

5-Year Standard Warranty
LED lumen Maintenance:
L70>140,000 Operation Hours @50°C

Application

Stadiums
Arenas

Exhibition halls
Highmast areas
Parking lots

Manufacturing areas
Food processing plants
Big-box retail stores



Technical Parameter

Electrical

Specification	NJZ-FLP-100	NJZ-FLP-150	NJZ-FLP-200	NJZ-FLP-300	
Rated Power	100W	150W	200W	300W	
MH Replacement	250W	400W	600W	750W	
Input Voltage	AC120-277, 347-480 V				
Input Frequency	50/60Hz				
Power Factor	>0.95				
Driver Efficiency	≥90%				
Input Current	(AC120-277V)	0.83A/0.36A	1.25A/0.54A	1.67A/0.72A	2.50A/1.08A
	(AC347-480V)	0.29A/0.21A	0.43A/0.31A	0.58A/0.42A	0.86A/0.63A
THD	≤20%				

Optical

Specification	NJZ-FLP-100	NJZ-FLP-150	NJZ-FLP-200	NJZ-FLP-300
Lumen Output	14000Lm	19600Lm	30000Lm	39200Lm
Lumens Per Watt	15°/30°/60°/90°/30°*120°/Type III (PC Lens) 120°(clear glass)			
Beam Angle	150lm/W (30°/60°/90°/120°/30°*120°) 140lm/W (15°/TYPEIII)			
Correlated Color Temperature (CCT)	3000K/4000K/5000K/5700K			
Color Rendering Index (CRI)	Ra≥70			

Environmental

Specification	NJZ-FLP-100	NJZ-FLP-150	NJZ-FLP-200	NJZ-FLP-300
Ambient Operating Temperature	-40°C ~ +50°C (-40°F to 122°F)			
Optimal Operating Temperature	25°C (77°F)			
Salt Spray Tested	500 hours			

Mechanical

Specification	NJZ-FLP-100	NJZ-FLP-150	NJZ-FLP-200	NJZ-FLP-300
Housing Material	Aluminum Alloy			
Lens Material	Tempered glass / PC			
IP Rating	IP67			
IK Rating	IK08			

Technical Parameter

Electrical

Specification		NJZ-FLP-420	NJZ-FLP-560	NJZ-FLP-840
Rated Power		420W	560W	840W
MH Replacement		1000-1200W	1500W	2000W
Input Voltage		AC120-277, 347-480 V		
Input Frequency		50/60Hz		
Power Factor		>0.95		
Driver Efficiency		≥90%		
Input Current	(AC120-277V)	3.50A/1.52A	4.67A/2.02A	7.00A/3.03A
	(AC347-480V)	1.21A/0.88A	1.61A/1.17A	2.42A/1.75A
THD		≤20%		

Optical

Specification		NJZ-FLP-420	NJZ-FLP-560	NJZ-FLP-840
Lumen Output		58800Lm	78400Lm	117600Lm
Lumens Per Watt		150lm/W (30°/60°/90°/120°/30*120°) 140lm/W (15°/TYPEIII)		
Beam Angle		15°/30°/60°/90°/30*120°/Type III (PC Lens) 120°(clear glass)		
Correlated Color Temperature (CCT)		3000K/4000K/5000K/5700K		
Color Rendering Index (CRI)		Ra≥70		

Environmental

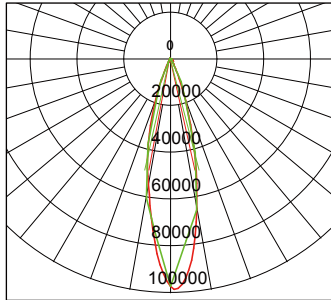
Specification		NJZ-FLP-420	NJZ-FLP-560	NJZ-FLP-840
Ambient Operating Temperature		-40°C ~ +50°C (-40°F to 122°F)		
Optimal Operating Temperature		25°C (77°F)		
Salt Spray Tested		500 hours		

Mechanical

Specification		NJZ-FLP-420	NJZ-FLP-560	NJZ-FLP-840
Housing Material		Aluminum Alloy		
Lens Material		Tempered glass / PC		
IP Rating		IP67		
IK Rating		IK08		

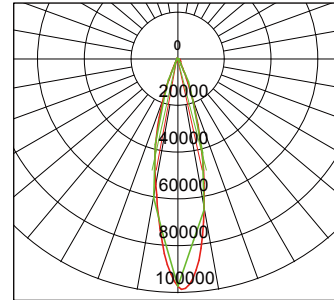
Photometric

15 Degree



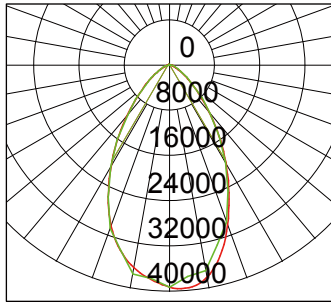
— V 0.0DEG PLAN, 24.5deg
— H 0.0DEG PLAN, 26.4deg

30 Degree



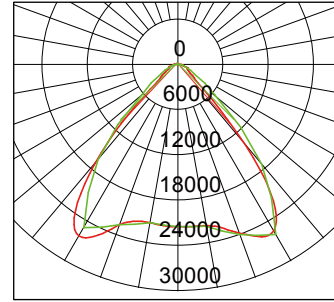
— V 0.0DEG PLAN, 24.5deg
— H 0.0DEG PLAN, 26.4deg

60 Degree



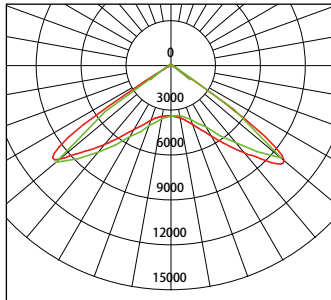
— V 0.0DEG PLAN, 61.2deg
— H 0.0DEG PLAN, 61.7deg

90 Degree



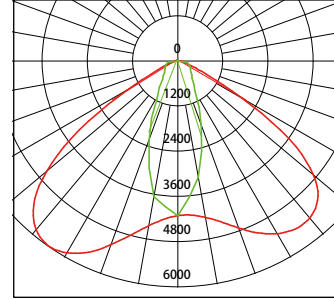
— V 0.0DEG PLAN, 85.5deg
— H 0.0DEG PLAN, 91.2deg

120 Degree



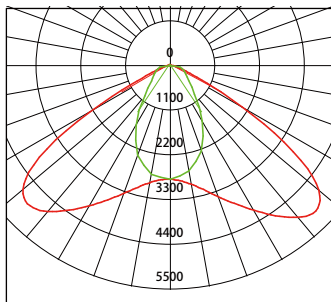
— V 0.0DEG PLAN, 116.4deg
— H 0.0DEG PLAN, 116.9deg

30*120 Degree



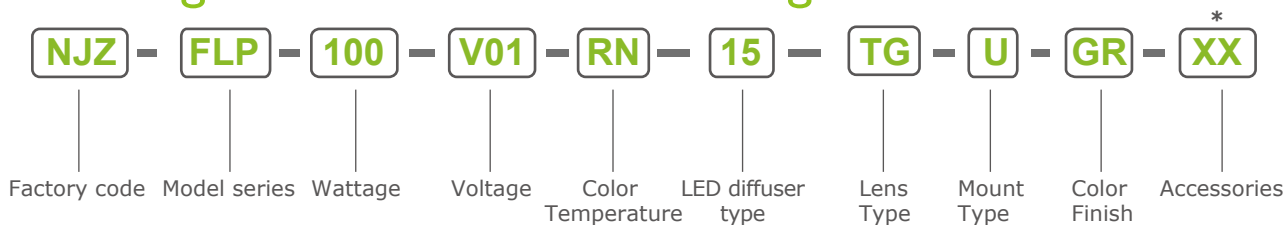
— V 0.0DEG PLAN, 118.1
— H 0.0DEG PLAN, 39.7

Type III



— V 0.0DEG PLAN, 125.1
— H 0.0DEG PLAN, 66.9

Ordering Information and Mounting Accessories



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

FACTORY CODE

NJZ

MODEL SERIES

FLP

WATTAGE

100=100W
150=150W
200=200W
300=300W
420=420W
560=560W
840=840W

VOLTAGE

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

COLOR TEMPERATURE

RN= 3000K (Warm White)
RL= 4000K (Neutral White)
RZ= 5000K (Neutral White)
RM= 5700K (Cool White)

LED DIFFUSER TYPE

15=15°
30=30°
60=60°
90=90°
T3=Type III
120=120°
32=30*120°

LENS TYPE

TG = Clear glass
CP = PC

MOUNT TYPE

U=360 Deg U-bracket

COLOR FINISH

GR = Grey
TDC= Tiger Drylac paint

Note:

PC Lens:

15° and T3 only available with 100 / 200 / 300 / 400 / 600 W (100W Per module)
30°/60°/90°/30*120° available with 100 / 150 / 200 / 300 / 420 / 560 / 840W

Glass Lens:

available with all power

ACCESSORIES

LS07=Visor
WG06=Wire Guard
LP01=Laser Pointer Holder
SP01=10KV Surge Protector for 120-277V
PS= IP66 Photocell + PIR Sensor
SC05=Safety Cable kit





LS07
Visor



WG06
Wire Guard



LP01
Laser Pointer Holder



SP01
Surge Protector
10KV
AC120~277V



PS
IP66 Photocell + PIR Sensor



SC05
Safety Cable kit