

Born for Industrial Safety



Victory™ (NJZ-FLP Series)

Industrial Lighting

• Sports / High mast / Area Lighting



Specsheet-2021-09A 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 ~ +122°F)

Compliance

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

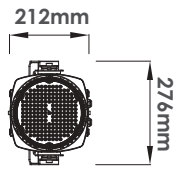
Application

- Stadiums
- Arenas
- Exhibition halls
- Highmast areas
- Parking lots
- Manufacturing areas
- Food processing plants
- Big-box retail stores

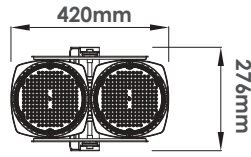
Warranty

5-year Standard Warranty
LED lumen Maintenance: L70>14,000 Operation Hours@50°C

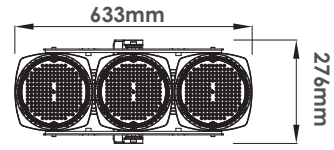
Product Dimensions



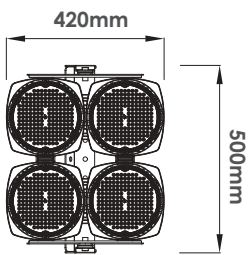
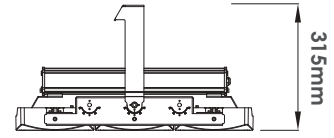
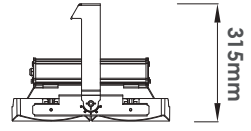
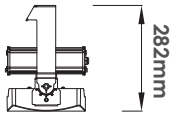
100W/150W



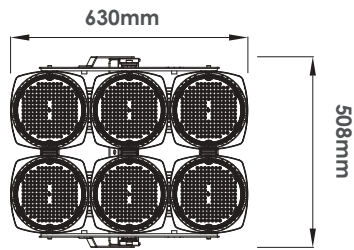
200W/300W



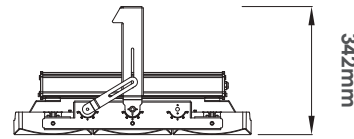
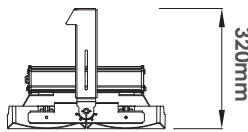
420W



560W



840W



Model	Net weight	Product Dimensions (L×W×H)	Gross weight	Package Dimensions (L×W×H)
NJZ-FLP-100	4.9kg	212x276x282mm	5.9kg	431x386x226mm
NJZ-FLP-150	5.1kg		6.1kg	
NJZ-FLP-200	7.1kg	420x276x315mm	8.1kg	586x386x238mm
NJZ-FLP-300	7.6kg		8.6kg	
NJZ-FLP-420	13kg	633x276x315mm	14kg	610x594x238mm
NJZ-FLP-560	16kg	420x500x320mm	17kg	743x348x239mm
NJZ-FLP-840	23.8kg	630x508x342mm	24.8kg	771x600x240mm

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	AC120-277V			
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
THD	≤20%			
Surge Protection	6Kv			

Optical

Specification	NJZ-FLP-100	NJZ-FLP-150	NJZ-FLP-200	NJZ-FLP-300
Lumen Output	14000Lm	19600Lm	30000Lm	39200Lm
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			

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

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	AC120-277V		
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
THD	≤20%		
Surge Protection	6Kv		

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		

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

Environmental

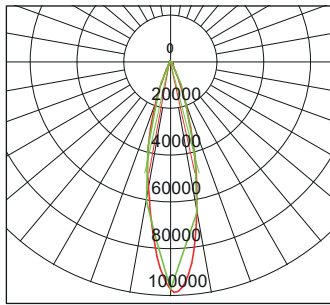
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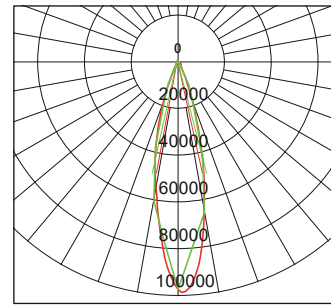
Photometric

15 Degree



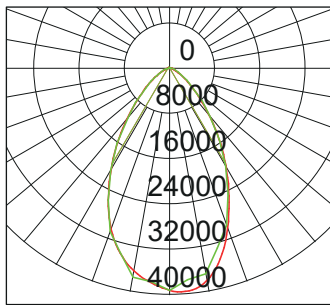
— V 0.0DEG PLAN, 24.5deg
— H 0.0DEG PLAN, 26.4deg

30 Degree



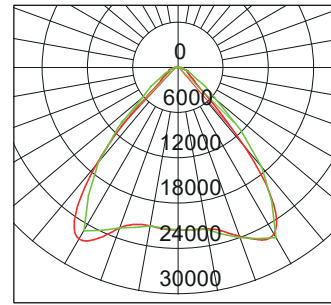
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— H 0.0DEG PLAN, 26.4deg

60 Degree



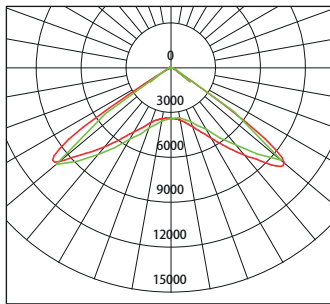
— V 0.0DEG PLAN, 61.2deg
— H 0.0DEG PLAN, 61.7deg

90 Degree



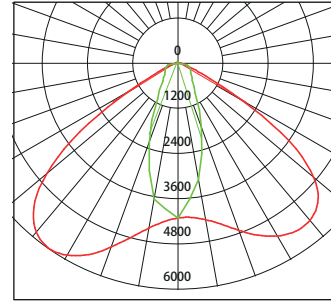
— V 0.0DEG PLAN, 85.5deg
— H 0.0DEG PLAN, 91.2deg

120 Degree



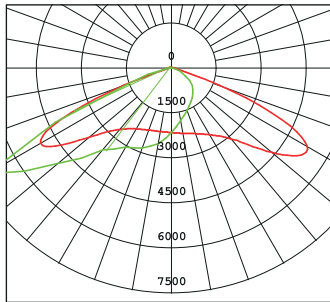
— V 0.0DEG PLAN, 116.4deg
— H 0.0DEG PLAN, 116.9deg

30°*120 Degree



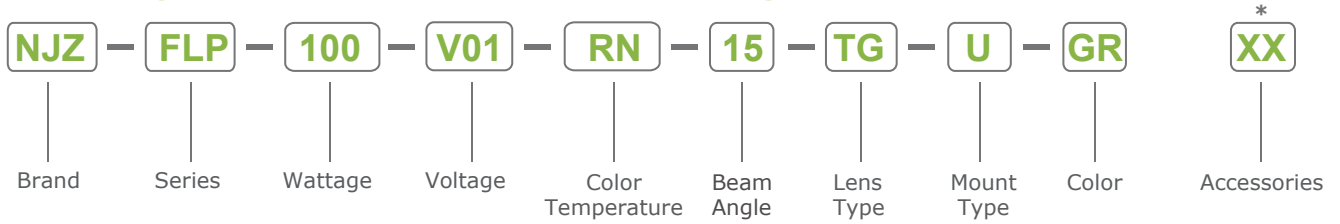
— V 0.0DEG PLAN, 118.1
— H 0.0DEG PLAN, 39.7

Type III



— V 0.0DEG PLAN, 142.5
— H 0.0DEG PLAN, 26.7

Ordering Information and Mounting Accessories



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

BRAND	SERIES	WATTAGE	VOLTAGE	COLOR TEMPERATURE	BEAM ANGLE
NJZ	FLP	100=100W 150=150W 200=200W 300=300W 420=420W 560=560W 840=840W	V01= AC120-277V	RN= 3000K (Warm White) RL= 4000K (Neutral White) RZ= 5000K (Neutral White) RM= 5700K (Cool White)	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 OF FINISH

GR = Grey(Standard)

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

Note:

PC Lens:

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

Glass Lens:

available with all power



LS07
Visor



WG06
Wire Guard



LP01
Laser Pointer Holder



SP01
Surge Protector
10KV
AC120~277V



PS
IP66 Photocell + PIR Sensor



SC05
Safety Cable kit

