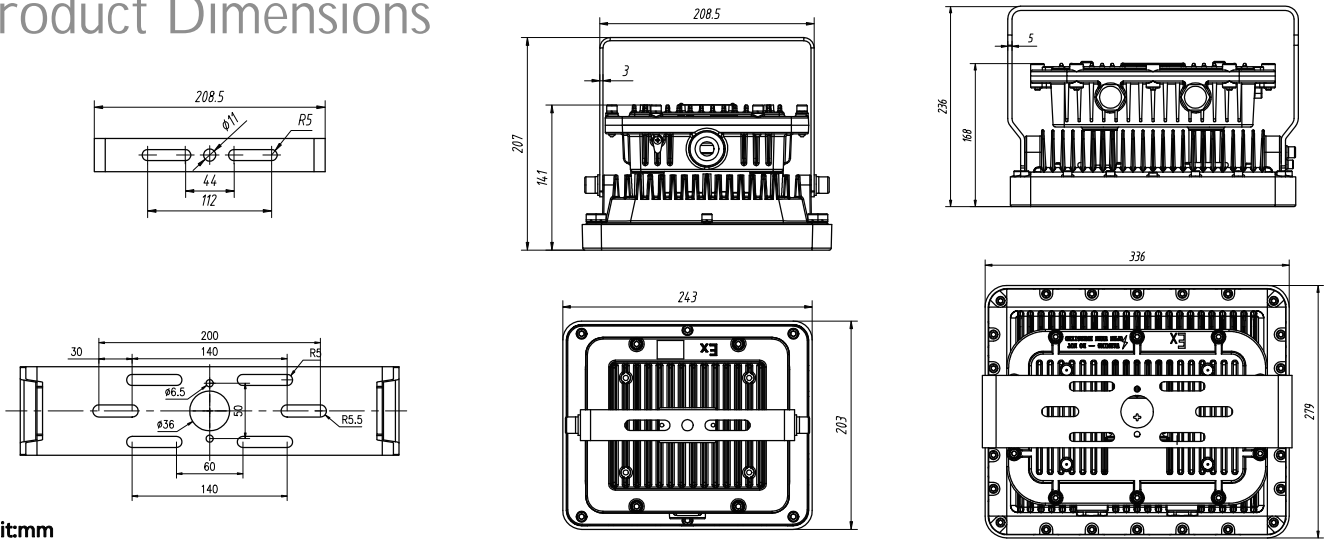






### Product Dimensions



Unit:mm

Model	Net weight	Dimensions (L×W×H)	Gross weight	Dimensions (L×W×H)
NJZ-FEL-B-20	4.6kg/10.1lbs	243×203×141 mm 9.6×8×5.6in	6.0kg/13.2lbs	327×290×200 mm 12.9×11.4×7.9in
NJZ-FEL-B-40				
NJZ-FEL-B-50				
NJZ-FEL-B-60				
NJZ-FEL-B-80	12.2kg/26.9lbs	336×279×168 mm 13.2×11×6.6in	13.5kg/29.8lbs	370×362×233mm 14.6×14.3×9.2in
NJZ-FEL-B-100				
NJZ-FEL-B-120				
NJZ-FEL-B-150				

### Mounting

Ceiling Type

Pole Type

Wall Type

## Technical Parameter

### Electrical

Specification	NJZ-FEL-B-20	NJZ-FEL-B-40	NJZ-FEL-B-50	NJZ-FEL-B-60
Rated Power	20W	40W	50W	60W
Input Voltage	AC100-270V			
Input Frequency	50/60Hz			
Input Current (AC230V)	0.09A	0.17A	0.22A	0.26A
Power Factor	≥0.95			
Driver Efficiency	≥91%			

### Optical

Specification	NJZ-FEL-B-20	NJZ-FEL-B-40	NJZ-FEL-B-50	NJZ-FEL-B-60
Lumen Output	2400Lm	4400Lm	5500Lm	6000Lm
Lumens Per Watt	120Lm/W			
Beam Angle	25° / 60° / 110°			
Correlated Color Temperature (CCT)	3000K/4000K/5500K			
Color Rendering Index (CRI)	Ra>70			

### Environmental

Specification	NJZ-FEL-B-20	NJZ-FEL-B-40	NJZ-FEL-B-50	NJZ-FEL-B-60
Ambient Operating Humidity	5% ~ 95% RH			
Ambient Operating Temperature	-30°C ~ +50°C			
Optimal Operating Temperature	25°C			

### Mechanical

Specification	NJZ-FEL-B-20	NJZ-FEL-B-40	NJZ-FEL-B-50	NJZ-FEL-B-60
Housing Material	Copper-free Aluminum			
Lens Material	Tempered glass			
Mounting Options	Ceiling, Wall, Pole			
IP Rating	IP66			
IK Rating	IK08			

## Technical Parameter

### Electrical

Specification	NJZ-FEL-B-80	NJZ-FEL-B-100	NJZ-FEL-B-120	NJZ-FEL-B-150
Rated Power	80W	100W	120W	150W
Input Voltage	AC100-270V			
Input Frequency	50/60Hz			
Input Current (AC230V)	0.35A	0.43A	0.52A	0.65A
Power Factor	≥0.95			
Driver Efficiency	≥91%			

### Optical

Specification	NJZ-FEL-B-80	NJZ-FEL-B-100	NJZ-FEL-B-120	NJZ-FEL-B-150
Lumen Output	9600Lm	12000Lm	16000Lm	19500Lm
Lumens Per Watt	130Lm/W			
Beam Angle	25°/ 60°/ 110°			
Correlated Color Temperature (CCT)	3000K/4000K/5500K			
Color Rendering Index (CRI)	Ra>70			

### Environmental

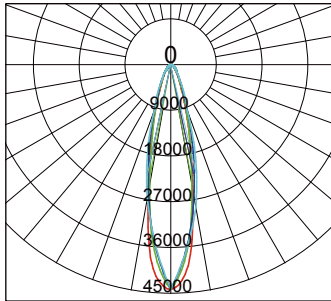
Specification	NJZ-FEL-B-80	NJZ-FEL-B-100	NJZ-FEL-B-120	NJZ-FEL-B-150
Ambient Operating Humidity	5% ~ 95% RH			
Ambient Operating Temperature	-30°C ~ +50°C			
Optimal Operating Temperature	25°C (77°F)			

### Mechanical

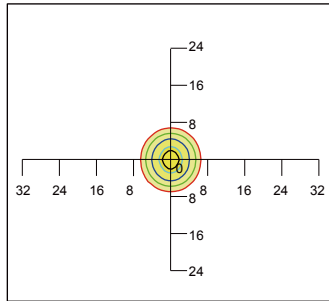
Specification	NJZ-FEL-B-80	NJZ-FEL-B-100	NJZ-FEL-B-120	NJZ-FEL-B-150
Housing Material	Copper-free Aluminilum			
Lens Material	Tempered glass			
Mounting Options	Ceiling, Wall, Pole			
IP Rating	IP66			
IK Rating	IK08			

### Photometric

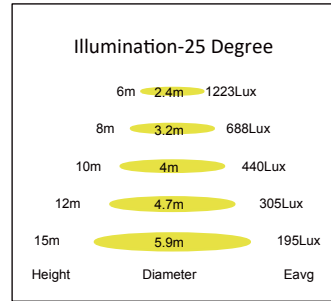
#### 25 Degree



- C0/180,22.4
- C30/210,21.5
- C60/240,23.7
- C90/270,25.8

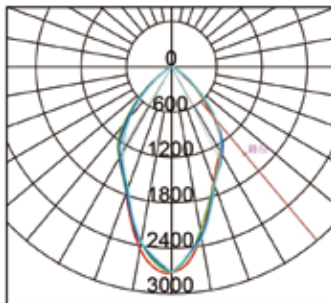


Mounting Height 33'(10m), 0 Tilt

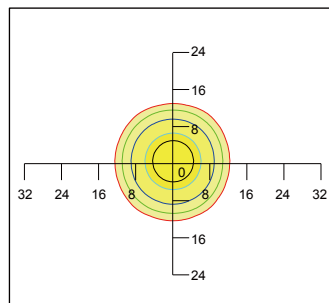


Flux out: 5727 lm

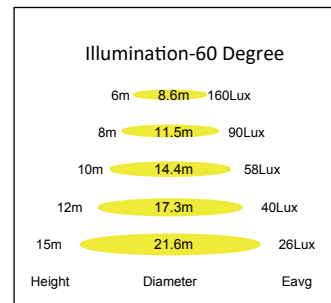
#### 60 Degree



- C0/180,57.8deg
- C30/210,59.9deg
- C60/240,59.9deg
- C90/270,57.2deg

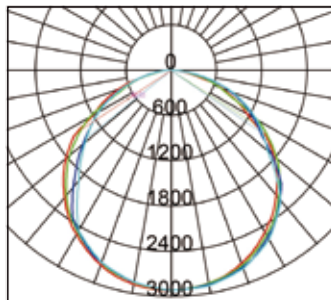


Mounting Height 33'(10m), 0 Tilt

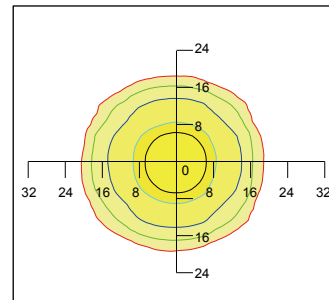


Flux out: 9544 lm

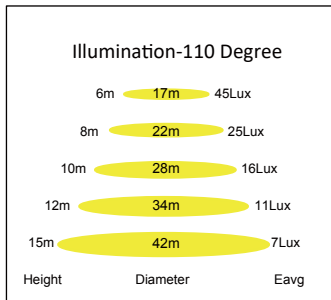
#### 110 Degree



- C0/180,113.0deg
- C30/210,113.4deg
- C60/240,108.3deg
- C90/270,108.4deg



Mounting Height 33'(10m), 0 Tilt



Flux out: 10387 lm



## Ordering Information and Mounting Accessories

**FEL-B** — **150** — **V01** — **RN** — **60** — **3** — **T** — **XX**

Series      Wattage      Voltage      Color Temp      Beam Angle      Hazloc      Tempered Glass      Option

**SERIES**

FEL-B

**WATTAGE**

20=20W  
40=40W  
50=50W  
60=60W  
80=80W  
100=100W  
120=120W  
150=150W

**VOLTAGE**

V01= AC100-270V

**COLOR TEMP**

RN= 3000K (Warm White)  
RL= 4000K (Neutral White)  
RM= 5500K (Cool White)

**BEAM ANGLE**

25=25°  
60=60°  
110=110°

**HAZLOC**

3=Zone1,Zone21

**TEMPERED GLASS**

T=Transparent

**ACCESSORIES**

UB01=Stainless steel U-Bracket  
UB03=Anti-vibration U-bracket  
UB04=360Deg rotation U-bracket  
SN01=Stanchion  
SP01=10kv Surge Protector 100~277V  
SC01=Stainless Steel Safety Cable kit



**UB01**

Ceiling/Wall Type  
Stainless steel U-Bracket



**UB03**

Anti-vibration  
U-bracket



**UB04**

360Deg rotation  
U-bracket



**SN01**

Pole Type  
Stanchion



**SP01**

10KV Surge Protector



**SC01**

Stainless Steel  
Safety Cable kit

### Hazardous area zones and equipment categories

Hazardous places are classified in terms of zones on the basis of the frequency and duration of the occurrence of an explosive atmosphere.

#### Gases, vapours and mists

For gases, vapours and mists the zone classifications are:

**Zone 0** A place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is present continuously or for long periods or frequently.

**Zone 1** A place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.

**Zone 2** A place in which an explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

#### Dusts

For dusts the zone classifications are:

**Zone 20** A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, or for long periods or frequently. **Zone 21** A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur in normal operation occasionally.

**Zone 22** A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

Notes:

1. Layers, deposits and heaps of combustible dust must be considered as any other source which can form an explosive atmosphere.
2. "Normal operation" means the situation when installations are used within their design parameters.