

SZG118 **ultra-bright** led high bay light



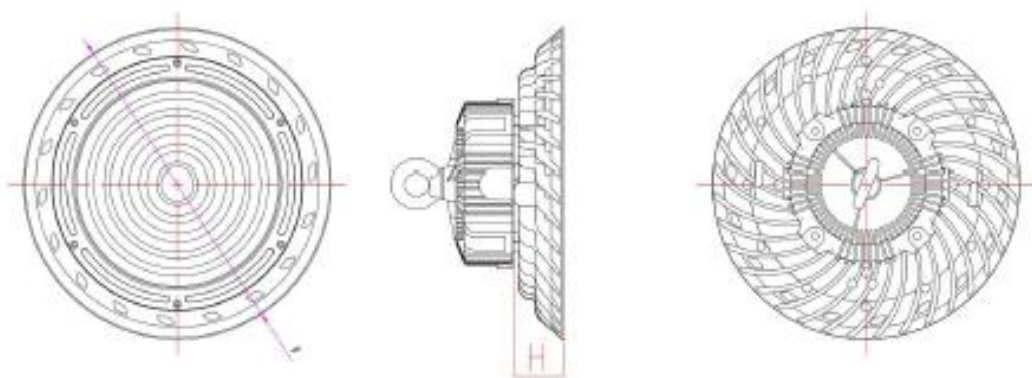
Applications:

- plant, workshop, warehouse, etc.
- coal shed, cargo shed, logistics center, etc.
- convention and exhibition centre
- exhibition hall
- reception hall
- terminal waiting hall
- indoor sports venues

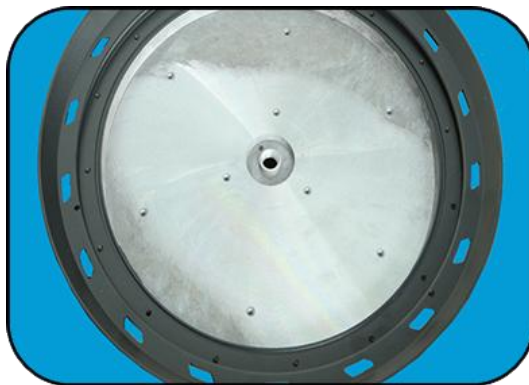
Descriptions of performance:

luminous efficiency of led chip	light efficacy of luminaire	energy efficiency rating of luminaire	energy saving rate @conventional lamp	wide input voltage	power efficiency
250 lm/W	200 lm/W	Class 1 ($\geq 170\text{-}180\text{ lm/W}$)	50%	90-305 Vac	$\geq 95\%$
power factor	total harmonic distortion	surge lightning protection	beam angle	shell material	IP protection
≥ 0.95	$\leq 10\%$	6000 V	$90^\circ / 120^\circ$	ADC12 die-cast aluminum	IP66

Product profile:



Product details:



finished aluminum substrate
installation surface, rapid heat



ring lens with higher light efficiency

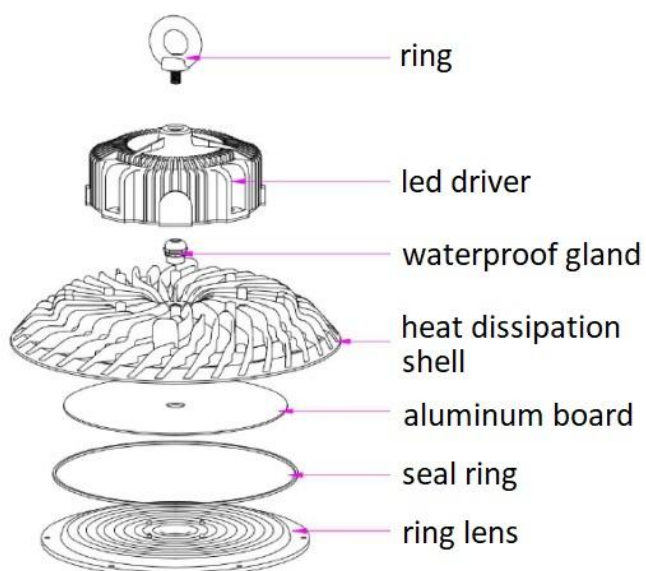


power efficiency: 95%
luminous efficacy of luminaire: 200lm/W



precision die-casting of large-area aluminum

Picture of explode product:



Technical parameters:

Parameter items	SZG118-100W	SZG118-150W	SZG118-200W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac
Power efficiency	95%	95%	95%
Power factor	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%
Luminous efficiency for led (lm/W)	250	250	250
Light efficacy for luminaire (lm/W)	200	200	200
Energy efficiency rating of lamp	Class 1	Class 1	Class 1
Luminous flux of lamp (lm)	20000±5%	30000±5%	40000±5%
Correlated color temperature (K)	3000/4000/5000/6000	3000/4000/5000/6000	3000/4000/5000/6000
Color rendering index (Ra)	≥75	≥75	≥75
Beam angle (°)	90° / 120°	90° / 120°	90° / 120°
Lifespan of led chip (h)	≥100,000	≥100,000	≥100,000
Working temperature (°C)	-35°C - +50°C	-35°C - +50°C	-35°C - +50°C
IP protection	IP66	IP66	IP66
IK protection	IK08	IK08	IK08
Installation mode of led driver	external	external	external
Dimensions (mm)	φ280*105	φ330*105	φ380*115
Weight (Kg)	2.0	2.5	3.5
Mounting mode	Ring/U-bracket	Ring/U-bracket	Ring/U-bracket
Warranty	5 year	5 year	5 year

Note: 1. According to GB 30255-2026: the luminous efficacy of Class 1 energy-efficient luminaire is 170-180 lm/W; for Class 2, it is 145-155 lm/W; and for Class 3, it is 100-110 lm/W.

2. Energy saving rate is compared with the conventional luminaire of class 3 energy efficiency rating.

