

SZG114 series of UFO led high bay light



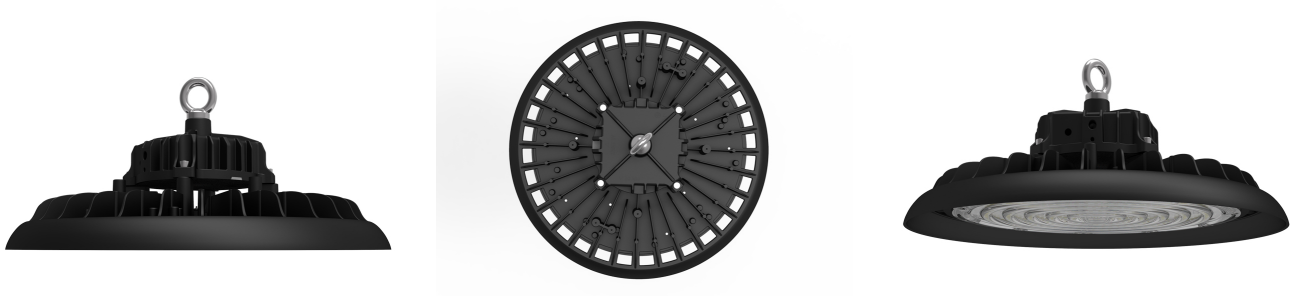
Applications:

- 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

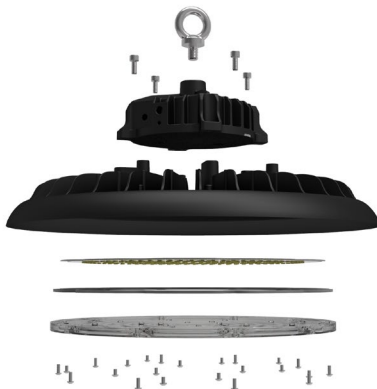
Descriptions of performance:

luminous efficiency of led chip	light efficacy of luminaire	energy efficiency rating of luminaire	energy saving rate @conventional lamp	wide input voltage	power efficiency
210 lm/W	165 lm/W	Class 2	40%	90-305 Vac	≥95%
power factor	total harmonic distortion	surge lightning protection	beam angle	shell material	IP protection
≥0.95	≤10%	6000 V	60° / 90° / 120°	ADC12 die-cast aluminum	IP66

Product profile:



Picture of explode product:



Technical parameters:

Parameter items	60W	100W	150W	200W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%	≥95%
Power factor	≥0.95	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%	≤10%
Luminous efficiency for led (lm/W)	210	210	210	210
Light efficacy for luminaire (lm/W)	165	165	165	165
Energy efficiency rating of lamp	Class 2	Class 2	Class 2	Class 2
Luminous flux for luminaire (lm)	9900±5%	16500±5%	24750±5%	33000±5%
Correlated color temperature (K)	3000/4000/5000/6000	3000/4000/5000/6000	3000/4000/5000/6000	3000/4000/5000/6000
Color rendering index (Ra)	≥75	≥75	≥75	≥75
Beam angle (°)	60° / 90° / 120°	60° / 90° / 120°	60° / 90° / 120°	60° / 90° / 120°
LED lifespan (h)	≥100,000	≥100,000	≥100,000	≥100,000
Working temperature (°C)	-35°C - +50°C	-35°C - +50°C	-35°C - +50°C	-35°C - +50°C
IP protection	IP66	IP66	IP66	IP66
IK protection	IK08	IK08	IK08	IK08
Installation mode of led driver	external	external	external	external
Dimensions (mm)	φ253*120	φ253*120	φ308*140	φ354*140
Weight (Kg)	1.5	1.5	1.9	2.3
Mounting mode	Ring	Ring	Ring	Ring
Warranty	5 years	5 years	5 years	5 years

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.



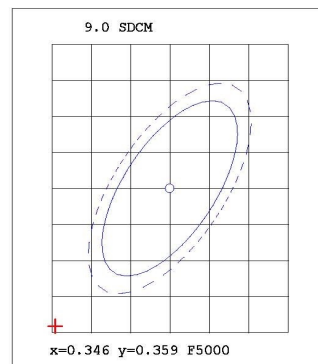
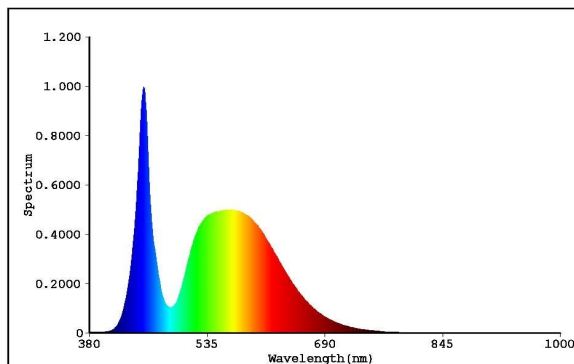
Test report of luminous efficiency of led chip:

EVERFINE 远方

Test report
EVERFINE LEDspec Test Report

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Spectrum Test Report



Color Parameters:

Chromaticity Coordinate(2Deg): $x=0.3314$ $y=0.3399$ $u'=0.2066$ $v'=0.4768$ $duv=-1.324e-004$

$T_c=5545K$ Dominant WL: $L_d=536.9nm$ Purity=1.5%

Ratio: $R=14.1\%$ $G=82.3\%$ $B=3.7\%$ Peak WL: $L_p=451.4nm$ HWL:19.7nm

Render Index: $R_a=75.7$

$R_1=74.64$ $R_2=79.78$ $R_3=80.99$ $R_4=76.68$ $R_5=74.83$

$R_6=71.19$ $R_7=83.59$ $R_8=63.76$ $R_9=-11.12$ $R_{10}=49.49$

$R_{11}=73.52$ $R_{12}=44.41$ $R_{13}=75.32$ $R_{14}=89.03$ $R_{15}=71.15$

TM30 Parameters: $R_f=72.8$, $R_g=94.9$

Photo Parameters:

Flux = 143.7 lm Eff. : 208.44 lm/W $P_e=440.0mW$

Electrical parameters:

$V_F=5.750V$ $I_F=119.9mA$ $P=689.4mW$ Ch1

LEVEL:**[OUT] WHITE:ANSI_5700K

Status: $T=140.00ms$ $I_p=47130(72\%)$ [HAAS1200_V1_USB] V2.00.288

Model:120MA
Tester:D.U.01.0151 24V
Temperature:25.3Deg
Manufactory:EVERFINE
Assessor:damin
System:WY + HAAS1200_V1_USB

Number:3
Date:2021-06-05 16-40
Humidity:65.0%
Remarks:---