

SZG102 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:

brand of led chip	luminous efficacy of led chip	luminous efficacy of luminaire	brand of led driver	wide input voltage	power factor
PHILIPS	210lm/W	≥160lm/W	Trismart led driver	90~305 Vac	≥0.95
total harmonic distortion	surge lightning protection	beam angle	shell material	IP protection	reflector
≤10%	6000 KV	120°/90°/60°	ADC12 die-cast aluminum	IP66	optional

Product details:



high heat conduction ADC12 die-cast aluminum shell



high brightness Philips chip (210 lm/W)

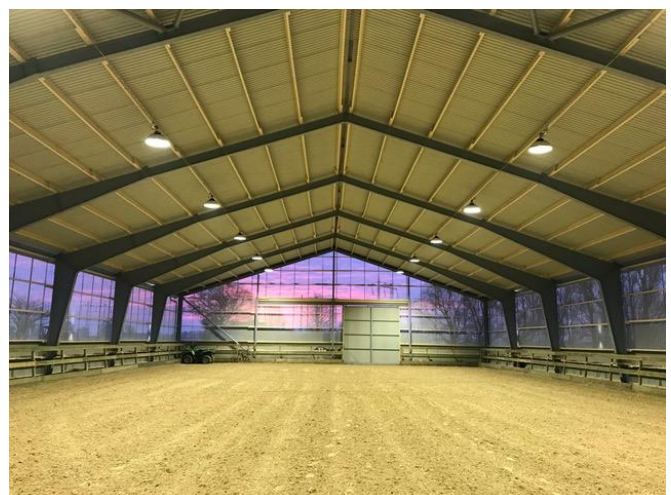


isolation led driver

Technical parameters:

Parameter items	100W	150W	200W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac
Power efficiency	91%	91%	91%
Power factor	0.98	0.98	0.98
Surge lightning protection (V)	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%
Quantity of led chip (pcs)	133	210	266
Luminous efficiency for led (lm/W)	210	210	210
Total luminous flux (lm)	21,000±5%	31,500±5%	42,000±5%
Light efficiency for luminaire (lm/W)	≥160	≥160	≥160
Correlated color temperature (K)	3000-6500	3000-6500	3000-6500
Color rendering index (Ra)	≥75	≥75	≥75
Beam angle (°)	120°/90°/60°	120°/90°/60°	120°/90°/60°
LED lifespan (h)	100,000	100,000	100,000
Working temperature (°C)	-40~+50°C	-40~+50°C	-40~+50°C
IP protection	IP65	IP65	IP65
IK protection	IK08	IK08	IK08
Installation mode of led driver	external	external	external
Dimensions (mm)	φ280*150	φ340*160	φ400*180
Weight (Kg)	2.8	3.8	5.4
Mounting mode	Ring	Ring	Ring

Note: reflector optional



Test report of luminous efficiency of led chip:

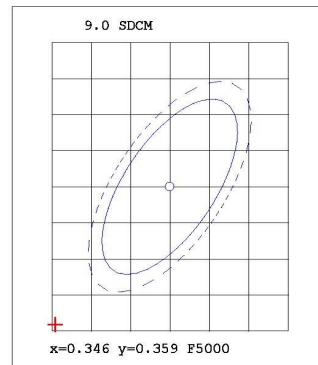
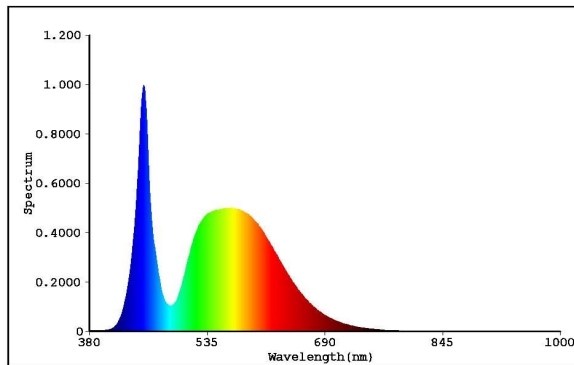
EVERFINE 远方

Test report

EVERFINE LEDspec Test Report

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Spectrum Test Report



Color Parameters:

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

Tc=5545K Dominant WL:Ld=536.9nm Purity=1.5%

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

Render Index:Ra=75.7

R1 =74.64 R2 =79.78 R3 =80.99 R4 =76.68 R5 =74.83

R6 =71.19 R7 =83.59 R8 =63.76 R9 =-11.12 R10=49.49

R11=73.52 R12=44.41 R13=75.32 R14=89.03 R15=71.15

TM30 Parameters: Rf = 72.8, Rg:94.9

Photo Parameters:

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

Electrical parameters:

VF = 5.750 V IF = 119.9 mA P = 689.4 mW Ch1

LEVEL:** [OUT] WHITE:ANSI_5700K

Status: T=140.00ms Ip=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:---