



Trismart Lighting

speciality builds higher quality

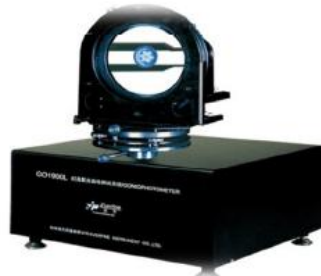


WWW.SZTRISMART.COM



Shenzhen Trismart Lighting Technology Co., Ltd.

Shenzhen Trismart Lighting Technology Co., Ltd. is a research and development, design, production and sales of private high-tech enterprises. Company's management and technical team has 20 years' experience in the development and design of industrial lightings, professional lightings and lighting engineering systems. The chairman of the company, Dr. Chen, is the member of China Lighting Society, the Deputy Secretary General of the Shenzhen Lighting Appliance Association and a senior expert of Shenzhen Lighting Society. Trismart Lighting is a cooperative supplier of European Union led street lamps, a network supplier of Royal Shell (shell) and a network supplier of large enterprises such as Sinopec, PetroChina, State Grid, Datang Electric Power and Huadian Group.



云天化集团
YUNTIANHUA GROUP

China

Mobile phone: +86-13823331749 / +86-755-29271192

Email: dr.chen@sztrismart.com / Website: www.sztrismart.com.

SZG307 high power led floodlight



500W



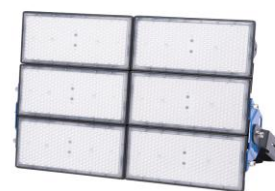
750W



1000W



1250W



1500W

Led floodlight

Technical parameters

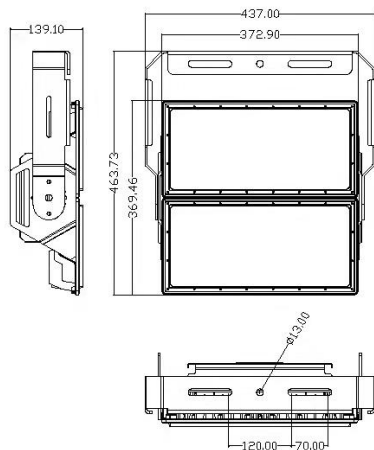
Parameter items	250W	500W	750W	1000W	1250W	1500W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥90%	≥90%	≥90%	≥90%	≥90%	≥90%
Power factor	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Luminous efficiency for led(lm/W)	215	215	215	215	215	215
Light efficacy for luminaire (lm/W)	170	170	170	170	170	170
Energy efficiency rating of lamp	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Energy saving rate	40%~45%	40%~45%	40%~45%	40%~45%	40%~45%	40%~45%
Luminous flux of luminaire (lm)	42500±5%	85000±5%	127500±5%	170000±5%	212500±5%	255000±5%
Correlated color temperature (K)	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000	3000-6000
Color rendering index (Ra)	≥75	≥75	≥75	≥75	≥75	≥75
Beam angle (°)	15°/30°/60°	15°/30°/60°	15°/30°/60°	15°/30°/60°	15°/30°/60°	15°/30°/60°
LED lifespan (h)	≥100,000	≥100,000	≥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	-35°C - +50°C	-35°C - +50°C
IP protection	IP66	IP66	IP66	IP66	IP66	IP66
Quantity of module (pcs)	1	2	3	4	5	6
Brand of led driver	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics	Inventronics
Installation mode of led driver	external	external	external	external	external	external
Dimensions (mm)	440*270*140	438*465*140	438*650*140	438*835*140	438*1020*140	810*650*140
Weight (Kg)	8	12.5	17	21.5	26.0	32.5
Mounting mode	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket	U-bracket
Recommended mounting height (m)	≥10	≥15	≥20	≥40	≥40	≥40
Warranty	5 years	5 years	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.

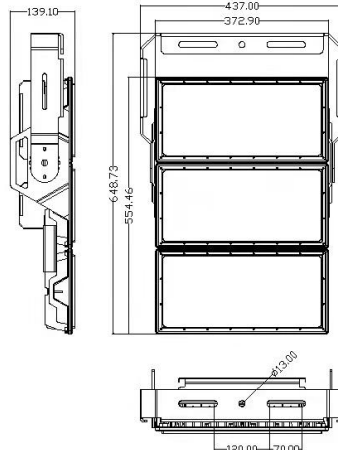
2. Energy saving rate is compared with the conventional luminaire of class 3 energy efficiency rating.

SZG307 high power led floodlight

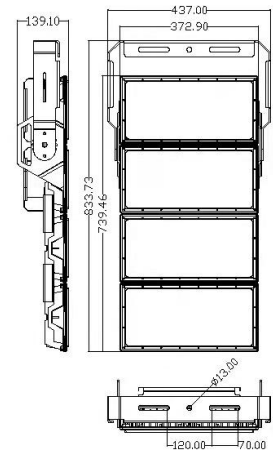
Dimensions



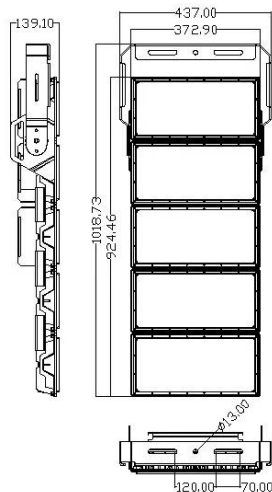
500W



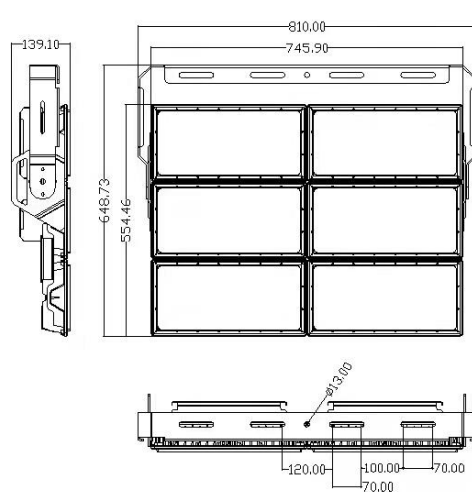
750W



1000W



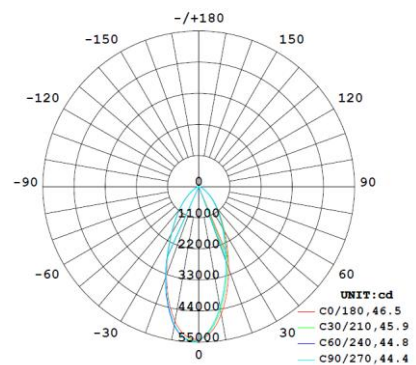
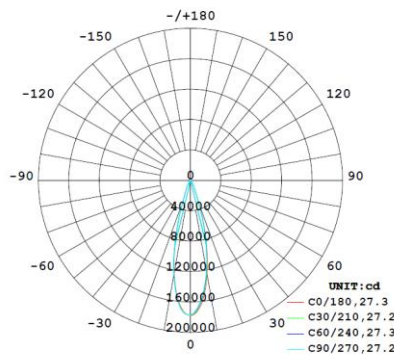
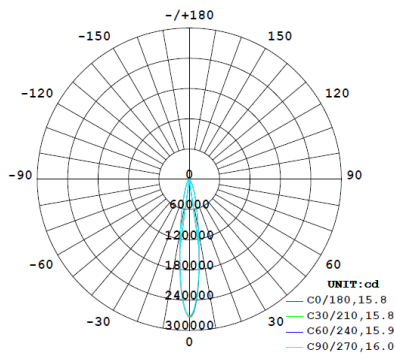
1250W



1500W

SZG307 high power led floodlight

Photometric diagrams



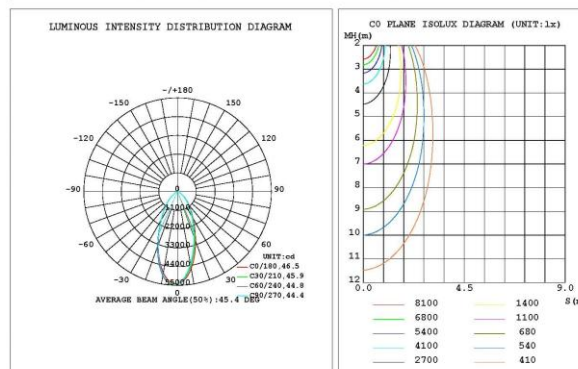
Test of luminous efficacy for luminaire

Shenzhen Southern LCS Compliance Testing Laboratory Ltd.

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.04V I:1.3452A P:288.86W PF:0.9759 Freq:50.01Hz Lamp Flux:49591.5x1 lm			
NAME: LED Floodlight		TYPE:LED	WEIGHT:N/A
SPEC.:N/A		DIM.:	SERIAL No.:N/A
MFR.: Shenzhen Trismart Lighting Technology Co.,		LEER.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA		Eff: 171.68 lm/W	
MODEL	SZG307	Imax(cd)	54887	S/MI(C0/180)	0.74
NOMINAL POWER(W)	300	LOR(%)	100.0	S/MI(C90/270)	0.75
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	49591	η UP,DN(C0-180)	0.1,48.1
NOMINAL FLUX(lm)	49591.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.6
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	99.7	CIBSE SHR MAX	0.80

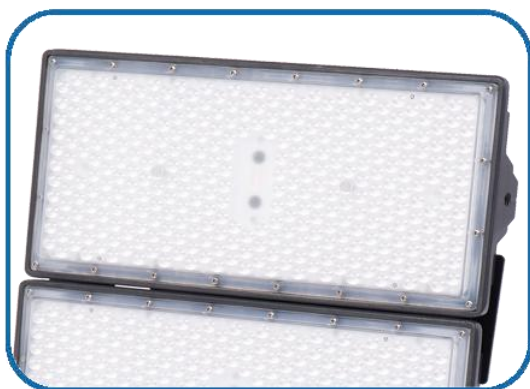


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:William
Test Date:2020-08-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.366
Humidity:56.4%
Test Distance:26.000m [K=1.4396]
Remarks:

SZG307 high power led floodlight

Product details



precision light distribution lens module
(light efficiency for luminaire: 170lm/W)



ADC12 die-cast aluminum
heat dissipation module

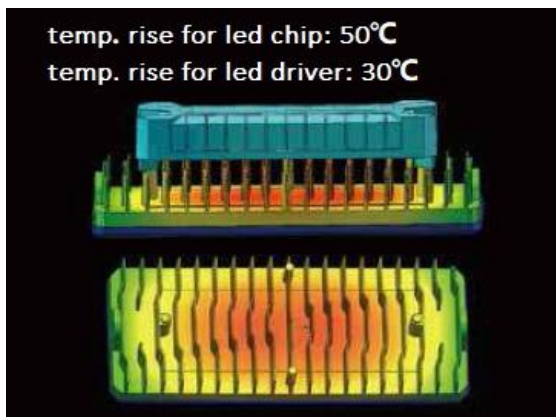


waterproof and ventilated power supply box



anti-glare metal cover
(optional)

Thermal management



Application cases



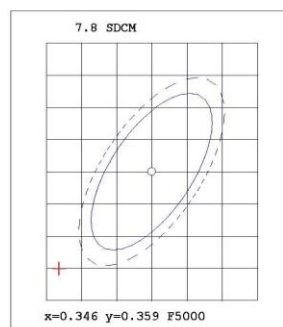
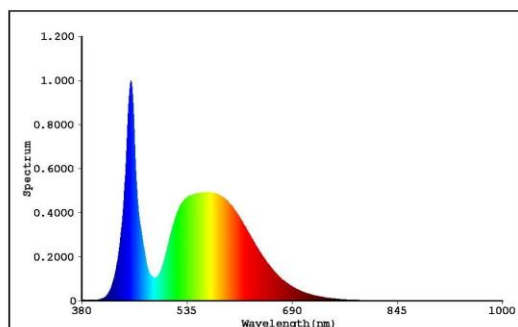
Test report of luminous efficiency for 3030 chip

EVERFINE 远方

Test report
EVERFINE LEDspec Test Report

3 Of 4

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate(2Deg):x=0.3328 y=0.3439/u'=0.2060 v'=0.4791 duv=1.302e-003
Tc=5484K Dominant WL:Ld=552.1nm Purity=3.1%
Ratio:R=14.0% G=82.3% B=3.7% Peak WL:Lp=452.8nm HWL:18.5nm
Render Index:Ra=75.7
R1 =74.13 R2 =80.20 R3 =82.28 R4 =76.12 R5 =74.24
R6 =71.69 R7 =84.13 R8 =62.77 R9 =-13.42 R10=50.62
R11=72.60 R12=43.24 R13=75.20 R14=89.82 R15=70.27
TM30 Parameters: Rf = 73.3, Rg:94.2

Photo Parameters:

Flux = 99.64 lm Eff. : 225.37 lm/W Fe = 296.6 mW

Electrical parameters:

VF = 5.534 V IF = 79.89 mA P = 442.1 mW Ch1
LEVEL:**[OUT] WHITE:ANSI_5700K

Status: T=140.00ms Ip=33646 (51%) [HAAS1200_V1_USB] V2.00.288

Model:80MA
Tester:D.U.01.0151 24V
Temperature:25.3Deg
Manufactory:EVERFINE
Assessor:damin
System:WY + HAAS1200_V1_USB

Number:4
Date:2021-06-05 16-41
Humidity:65.0%
Remarks:---



Trismart Lighting

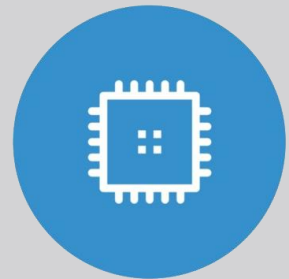
speciality builds higher quality



energy-saving



quality



intelligent

Address: 1-3F, No. 3, behind the substation, Yulu Community, Guangming District, Shenzhen

Website: www.sztrismart.com

Email: dr.chen@sztrismart.com