

Specification

	Products Name:	10W Blue Sky Series Floodlight	-					
	Model No.:	ZGE-TGD113WB85B-10LF	-					
	Product Code:	16124020	-					
	Document Code:	ZH-WI-TD-SPEC-						
	Edition	A/1						
	Department:	R&D Certer						
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Issued time	Version	Changed content	Implementer					
2014-9-12	A/0	First Issuing	Liang Jianquan /Gao He					
2014-9-25	A/1	Packing specification parameter change	Gao He					
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-- Purpose: Definite technical standard of LED light, direct LED examination

二、Basic specifications of product:

A. Appearance as right image:

B、Light boundary dimension: 113*95*71mm

C Lamp net weigh: 415g±15g

D. Lamp color: Bright silver/Satin black

E. Material: lampshade-glass; lamp body - Alu.ADC12; reflector - Alu.1060;

F、LED Chip: 1 PCS COB; 12pcs 33mil; 12 series 1 parallel.

G、Power wire: conductor≥1.0mm²; wire length: ≥0.3m; tail end: copper-clad

H. Power driving model: IC constant current type; driving IP grade: IP65

I、IP grade: IP65; electrical shock protection grade: I Class;

J. Environment temperature: working -20°C~+45°C; storage -30°C~+60°C;

K. Environment humidity: working- 10%~75%; storage- 10%~90%

L, Lamp head: N/A

M、Others: not dimmable, non-dimmable lamps

三、Electric parameter:

Test condition:light for 15 mins under nominal voltage input and 25°C±1°working environment

Item name	Unit	Minimum value	Typical value	Maximum value	Remarks		
Input Voltage	V	AC100	AC220	AC240			
Input Current	A	0. 11	0.05	0.04			
Lamp power	W		$10 \text{W} \pm 10 \%$				
Power factor	PF		≥0.85				
Light power	W		$10 \text{W} \pm 10 \%$				
Frequency	Hz	47	50	63			
Output		DC2	2740V ; $240\text{mA}\pm5\%$				
Power conversion efficiency	%		85MIN.				

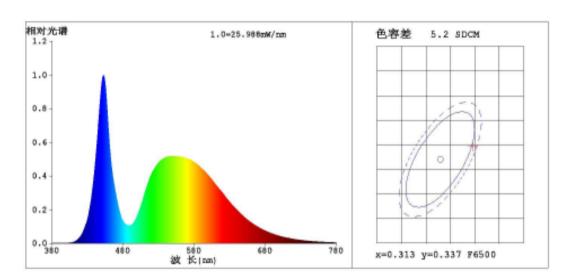
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四、Optical	l parameter	requirement:							
Test condition	on:light for 15	mins under 2	220V AC input ar	nd 25°C±1°working envir	onment				
Item	name	Unit	Minimum	Typical value	Maximum	Rei	marks		
			/	/	/				
Color ter	mperature	K	/	/	/				
			5800	6150	6500	Pure	White		
Color	do			/					
	endering x(CR)	Ra		/					
				≥70		Pure	White		
				/					
Lumino	ous Flux	1m		D. 140."					
				Pure White					
11.14	•	- /	/						
Lightin	ng effect	1m/W	> 50			Pure White			
Daam			100	≥70	100	Pure	e White		
	n angle		° 100 110 120 SDCM <10						
	maticity	SDCM			.10				
五、Reliabi	lity requiren	nents:							
Item	name			Standard specific	cation				
Lumen m	aintenance			wer than 92% after light not lower than 70% after	-				
Work	ing life	Under nomir	nal voltage input,	working life is forced no	t lower than 250	000h in 25°C	C±1ºC		
Guarant	tee period			2 years					
IP g	grade	Must meet th	ne test requireme	ents of IEC or GB to the	IP rating				
Durab	ility test	24h,mains in 3h.Testing v 1.any part co 2.lamp could 3.No damag 4.writing labe	cycle should be 10 cycles, circuit should normal operate during 10 cycles.1 cycle is mains input on lamps during the begining 21h, then cut down the input in the last esting voltage:nominal voltage X 1.10 ± 0.015, forbiding below case during test-y part could not lose efficacy; no could not be unsafe; damaging track system; ting label should be clear; crazing, burn, shape changed and so on.						
•	erature and ressure		lacing for 3 hours in -20°C temperature, then start it with 100V, light normally. (not IEC or GB est standard, it's enterprise internal test regulations)						

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六、Safety requirement:									
Item name	Э		Standard specific	cation					
Logo durabi	ility		o with watering cloth for 15 seconds;the check the logo clarity	n wipe it with	ethane for 15	seconds after			
Structure		Meet GB700	0.1-2007 or IEC60598-1: 2008 Correla	ted standard					
The Insulated Resistance and Electric Strength after 48H moist test (1)Moist Test: Any value between humidity 91%~95% & environment temperature 20 (2)Bring to DC500V to bear on insulation resistance between electrical parts and me for 1 minute. The Insulated Resistance (I type): Basic insulation ≥2MΩ, additional insulation test (3)Bring to 2U+1000V (I type, basic insulation) bear on insulation resistance between electrical parts and metal parts for lights, the test couldn't appear the flicker or punctual (U=working voltage)					nd metal parts al insulation ≽ petween				
Leakage curr	rent	On working t	ime,the current between power polarity	and body cas	e≤0.7mA (I	class clamp)			
Ground connecti	ion rule	terninal and l 1min,ground	OA current producing by Less than 12V f between all kinds of metal parts seperat resistance≤0.5Ω; contact area connec w-green double colors connect the grou	ely, and releating with grou	ise the currer	nt at least			
Hot test (regular	work)	During the te exceed the li	est and the end of the test, the temperation	ure of the test	ed componer	nts shall not			
Electrical sho protection		Insulating paint is not reliable, not as a protective layer against electric shock; not accessible live parts, basic insulation metal parts is difficult to touch; enough mechanical strength, rigid fixation				ot accessible			
Internal and exi wiring	ternal	Meet the standard requirements(internal connecting conductor ≥0.5mm², external connecting conductor ≥1mm²)							
Creepage distan electric cleara		PTI<600; creepage distance: basic insulation≥2.5mm; additional insulation≥3.6mm; reinforced insulation≥6.5mm electric clearance: basic insulation≥1.7mm; additional insulation≥3.6mm; reinforced insulation≥6.5mm							
Power supply terminal disturbance voltage Test is only for lead-in reference, not mandatory indicators, unnecessary to pas				ss the test					
CE LVD Y									

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七、Optical and electrical test parameter:

光源光谱测试报告



颜色参数:

色品坐标:x=0.3197 y=0.3397/u'=0.1987 v'=0.4749

相关色温:Tc-6090K(色差Duv-0.0052) 主波长:λd-497.7nm 色纯度: Purity-4.3%

红色比:R=13.5% 峰值波长:λp=452.2nm 半宽度:Δλd=21.7nm

显色指数: Ra=71.9

R1 -69 R2 -77 R3 -80 R4 -72 R5 -70 R6 -67 R7 -83

R8 -59 R9 -0 R10-42 R11-67 R12-37 R13-70 R14-89 R15-64

光度参数:

光通量 Φ = 763.52 lm 光效: 78.39 lm/W 辐射通量 Φe = 2.416 W

电参数:

电压 V = 220.7 V 电流 I = 0.0460 A 功率 P = 9.740 W 功率因数 PF = 0.9430

分級:OUT 白光分类:ANSI_6500K

仪器状态: 积分时间 T = 29 ms Ip = 54216 (83%)

产品型号: ZGE-TGD113WB85B-10LF 产品编号:

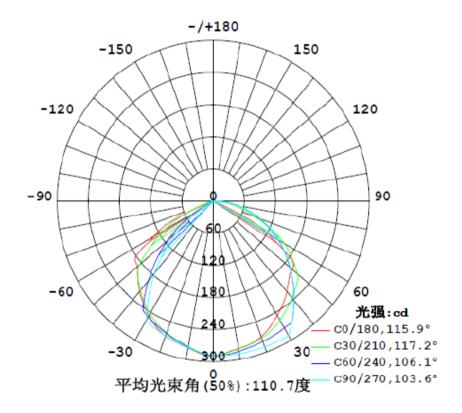
測试人员: 測试日期:2014-07-08 环境温度:30.3℃ 环境湿度:65.0%

制造厂商:广州众恒光电科技有限公司 备注:

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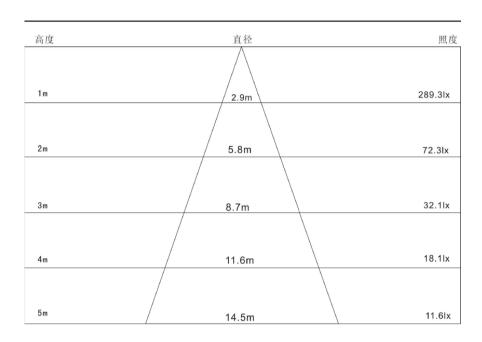
八、Surface of light intensity distribution:

室内灯具配光曲线



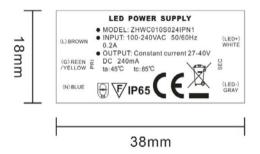
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九、Average illumination image:



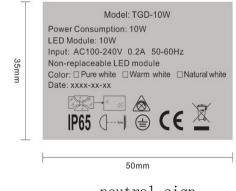
十、Nameplate:

(1) power supply nameplate:



(2) product nameplate:





neutral sign

Remarks:

Product nameplate is adhesive labels, color temperature will according to the order requirement to chose frame filling. Date of printing as per actual production date.

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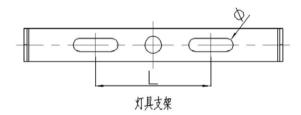
十一、Installation:

Step 1

Opening package, take out lamp and accessories, check the accessories are complete or not, if the glass is damaged please ask for suppliers to replace immediately.

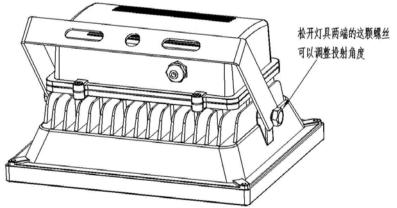
Step 2

Lights can install on the ground wall or brackets according to actual situation such as installation on the brackets with hexagonal head screw fixed. And dig the hole on ground or wall with suitable expansion bolt fixing according to light's bracket if install on the ground or wall. As drawing:



Step 3

After fixing light body,unscrew from both side, then tighten the screws when turns the light to the correct angle



Step 4

Connection line:brown wire connects the fire wire,blue line connects the null line, and yellow-green line connects ground wire.

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十二、Packing:

Package Dimension(mm)		Box & CTN	Qty	Net\gross	weight (Kg)
Inner box	120*95*77mm	1PCS/boxes	1PCS	0.42	0.47
Outer Carton	405*265*179mm	2 layers/CTN	16PCS	7.84	

十三、Attention:

- 1. Please take care of glass part when moving;
- 2. Do not disassemble the lights if not prefessional;
- 3. The working power is high voltage alternating current which is installed in out of reach by people, the wire core shall not be exposed while connecting, and do ground protection
- 4. Place for installation must be carrying capacity enough to ensure the safety;
- 5. Please don't touch the light cup by hand when working, in order not to be scalded.
- 6. Working ambient temperature should be less than 45° C. Otherwise, It will effect the lifespan of products. Keep it well;
- 7. Do not work over the range of voltage to ensure the lifespan of barretter;
- 8. This product has tri-proof. It can work in rain but couldn't soak into the water;
- 9. Clear the dust in one time to keep the good heat dispersion. Be noted that do not clear the products with corrosive liquid;
- 10. Ask for professional to installation or maintaince;

Attention: Won't notice if any information changed. Any doubts please contact supplier directly!