

# Specification

Products Name:	LED FLOOD LIGHT 100W
Model No.:	ZGE-TGD285WB376B-100LF
Product Code:	16124025
- Document Code:	ZG-WI-RD-SP-
- Edition:	A/2
Department:	R&D Certer

Changed records of issued documents

Issued time	Version	Changed content	Implementer
2014.9.13	A/0	First Issuing	Hongshuan Li
2015.5.14	A/1	Revise LED and driver	Junchao Lv
2015.8.13	A/2	Modify voltage and current of driver label	Junchao Lv

Documents distributed to department:department of technology、product department、quality

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Approval:

Document n	umber:	Products			Formulating t	ime: 14 Ma	y, 2014	
Edition	Page number	Name		LOOD LIGHT 100W	Date modified	est, 2015		
A/2	1/8	Model	ZGE-T	GD285WB376B-100LF	Approve	Audit	Formulate	
─、Purpos	e: Definite tech	nical standa	ard of LED lig	ght, direct LED examination			1	
二、Basic s	specifications o	of product:						
A、Appeara	ance as right ima	age:			2			
B、Light bo	oundary dimensi	on: 288.3*38	3.1*98.9mm				1	
C、Lamp n	et weight: 5500g	g±30g						
D、Lamp c	olor: Silver/matt	black						
E、Materia	l: lampshade-gla	ass; lamp boo	ly - Alu.ADC1	2; reflector - Alu.1100	-	0		
F、LED Ch	ip: COB, 10 seri	es 5 in parall	el, 2 PCS					
G、Power v	wire: conductor ≥	≥1.0mm²; wir	e length: $\geq$ 0.	3m; tail end: copper-clad	4-0-	Ø	1	
H、Power of	driving model: Is	olated; Drive	r IP rating: IP	65;	<b>-</b> *	288.3	•] [ <u>-98.9</u>	
I、IP grade	: IP65; electrical	shock protee	ction grade: C	lass I				
J、Environ	ment temperatu	e: working -2	20ºC∼+45ºC;	storage -30°C~+60°C;	535.7			
K、Environ	ment humidity: v	vorking- 10%	$\sim$ 75%; stora	ge- 10%~90%				
L、Lamp he	ead: N/A							
M、Others:	non-dimmable							
三、Electric	c parameter:							
Test cond	lition:light for 15	mins under r	nominal voltag	ge input and 25°C±1°working	environment			
lten	n name	Unit	Minimum	Typical value	Maximum	Rer	narks	
Input	Voltage	V	AC100	AC220	AC240			
Input	t Current	А	1.02	0.46	0.4			
Lam	p power	W		100W±10%				
Pow	er factor	PF		≥0.9				
Ligh	it power	W		100W±10%				
Fre	quency	Hz	47	50	63			
0	utput		DC	26-36V;1500mA±5%		2 d	rivers	
	conversion ciency	%		87				

A/2 四、Optical p Test condition Item Color ten Color renderi	Page number 2/8 <b>Darameter requ</b> n:light for 15 mi name			285WB376B-100LF	Date modified Approve		est, 2015
四、Optical p Test condition Item Color ten Color renderi	<b>parameter requ</b> n:light for 15 mi	uirement:	ZGE-TGD2	285WB376B-100LF	Approve	۸	
Test condition Item Color ten Color renderi Lumino	n:light for 15 mi			ZGE-TGD285WB376B-100LF		Audit	Formulate
Item Color ten Color renderi Lumino	•	ns under 220					
Color ten Color renderi Lumino	name		V AC input and	1 25°C±1°working envi	ronment		
Color renderi Lumino		Unit	Minimum	Typical value	Maximum	Rer	narks
Color renderi Lumino			/	/	/		
Lumino	mperature	К	/	/	/		
Lumino			5800	6150	6500	Pure	White
Lumino				/			
	ing index(CR)	Ra		/			
				≥70	Pure	White	
Lighting	ous Flux	lm		. / ≥.7200			
Lighting				Pure	White		
Lighting	a affa at	/ Im/W /					
	Lighting effect			/	Duro	White	
Beam	n angle	0	100	≥80 100	110	Fule	white
	naticity	SDCM	100		<10		
	ty requirement						
				Standard ana sif	ination		
Item	name			Standard specifi			
Lumen ma	aintenance			lower than 92% after li I; and not lower than 7			
Worki	ing life	Under nomir	al voltage inpu	t, working life is forced	I not lower than	25000h in	25ºC±1ºC
Guarante	ee period	2 years					
IP g	jrade	Must meet th	ne test requirem	nents of IEC			
Durabi	ility test	24h,mains in 3h.Testing vo 1.any part co 2.lamp could 3.No damagi 4.writing labe	put on lamps d oltage:nominal ould not lose eff not be unsafe; ng track syster el should be cle	; n;	,then cut down	the input ir	the last
Low tempera				temperature,then star			

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六、Safety re	equirement:				1		
Item name Standard specification							
Logo durability Wipe the logo with watering cloth for 15 seconds; then wipe it with ethane for 15 seconds after dried, at last check the logo clarity						or 15	
Struc	cture	Meet GB700	0.1-2007 or IEC60598-1:2008 Corr	elated standa	rd		
and Electric S	(1)Moist Test: Any value between humidity 91%~95% & environment temperature $C \sim 30^{\circ}$ C, keep inside the test box for 48H if temperature difference 1°C; (2)Bring to DC500V to bear on insulation resistance between electrical parts and r parts for 1 minute. The Insulated Resistance (I type): Basic insulation≥2MΩ, additio insulation≥2MΩ, double insulation or reinforced insulation≥4MΩ; (3)Bring to 2U+1000V (I type, basic insulation)to bear on insulation resistance between electrical parts and metal parts for lights, the test couldn't appear the flicker or pune (U=working voltage)					ts and metal additional nce between	
Leakage	e current	On working t clamp).	ime,the current between power polar	ity and body c	ase≪0.7m	A (Class I	
Ground con	Fround connection rule More than 10A current producing by Less than 12V floating voltage connects the ground terninal and between all kinds of metal parts seperately, and release the current at least 1min,ground resistance $\leq 0.5\Omega$ ; contact area connecting with ground line should be bare metal surface; yellow-green double colors connect the ground line					se the th ground	
Hot test (reo	gular work)	During the te not exceed th	est and the end of the test, the temper the limit.	rature of the t	ested comp	onents shall	
Electrical sho	ock protection	accessible liv	int is not reliable, not as a protective ve parts, basic insulation metal parts hanical strength, rigid fixation.			ck; not	
Internal and e	external wiring	Meet the standard requirements(internal connecting conductor $\ge$ 0.5mm <sup>2</sup> , external connecting conductor $\ge$ 0.75mm <sup>2</sup> ).					
Creepage d electric c		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					
	r supply terminal Test is only for lead-in reference, not mandatory indicators, unnecessary to pass the test						
CEI	LVD		Y				



Red Ratio:R=13.3% Peak WL:Lp=450.9nm HWL:Lhd=23.6nm

Render Index:Ra=71.5

R1 =69	R2 =76	R3 =79	R4 =72	R5 =69	R6 =66	R7 =83	
R8 =59	R9 =0	R10=40	R11=67	R12=37	R13=70	R14=88	R15=64

#### Photo Parameters:

Flux =8206 lm Eff. : 85.93 lm/W Fe = 18.51 W

### Electrical parameters:

V = 220.7V I = 0.4550 A P =95.50 W PF = 0.9500

LEVEL:OUT WHITE:ANSI\_6500K

Status: Integral T = 4 ms Ip = 54186 (83%)





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+─、In Step 1	stallation:	1		1		1
-		-	accessories,check the access pliers to replace immediately.	ories are c	omplete o	r not, if the
Step 2						
on the br	ackets with hexag	onal head	or brackets according to actua screw fixed.And dig the hole o at's bracket if install on the grou	n ground c	or wall with	suitable
			Lamp Bracket			
Step 3 After fixir correct a		rew from b	oth side,then tighten the screw	s when tur	ns the ligh	it to the
			w at the both end of lamp, can of projection.			
Step 4 Connecti						

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<i>PV</i> 2	0/0	Model	292-190203003700-10021			

## 十二、Packing:

Package	Dimension(mm)	Box & CTN	Qty	N.W.(KG)	G.W.(KG)
Inner box	135*295*400mm	1pc/box	1pc	5.5	5.9
Outer Carton	420*315*290mm	2 layers /CTN	2pcs	11.53	12.53

## 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  $45^\circ$ 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!