



健隆投資有限公司
STRONG BASE INVESTMENT LTD.

Unit 17, 11/F., Hewlett Centre, 52-54 Hoi Yuen Road, Kwun Tong, Kowloon, Hong Kong.
Tel: (852) 2793 3293 Fax: (852) 2793 3096



Approval Sheet
(確認書)

編號 Ref. No.	
日期 Issued Date	2015-10-28

公司名稱 : _____
Company Name

產品編號 : 53W4UCA08
Part No.

產品種類 : LED-LAMP
Category

產品描述 : 5MM/ULTRA BRIGHT WHITE ,WATER CLEAR
Description

客戶產品編號 : _____
Customer No.

備注 : _____
Remarks

STRONG BASE			
ISSUER	APPROVER	CHECKER	ENGINEER
	朱美丽	叶楠	高雪

Authorized Signature 客戶簽字				
部門 Department				
簽字 Signature				

工廠名稱:字之亮電子(深圳)有限公司
工廠地址:廣東省深圳市龍崗區橫崗鎮荷坳村金源工業區

Company Name: Pretty Light (Shen Zhen) Limited
Factory Address:jin-Yuan,Industrial Zone He-Ao Cun,Heng-Gang
Zhen Long-Gang Area,Shen-Zhen City,
TEL: (755) 8976 6931 2862 5421 FAX: (755) 28684819 2862 5922

PART NO. : 53W4UCA08

DATE : 3 February 2016

5MM/ULTRA BRIGHT WHITE ,WATER CLEAR

SPECIFICATION

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Rating	Unit
Power Dissipation	P_D	170	mW
Forward Current	I_F	25	mA
Peak Forward Current (1/10 Duty Cycle, 0.1 ms Pulse Width)	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-40~+80	°C
Storage Temperature	T_{stg}	-40~+80	°C

ELECTRICAL/OPTICAL CHARACTERISTICS RATING (Ta=25°C)

Item	Symbol	Test Conditions	Rating			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	$I_F=20mA$	2.8	3.2	3.8	V
Reverse Current	I_R	$V_R=5V$	---	---	10	μA
Luminous Intensity	I_V	$I_F=20mA$	---	15000	---	mcd
Chromaticity Coordinates	CIE(x)	$I_F=20mA$	---	0.26	---	---
	CIE(y)	$I_F=20mA$	---	0.26	---	---
Viewing Angle $2\theta_{1/2}$	$2\theta_{1/2}$	$I_F=20mA$	18°			deg.

Notes:-

1) $\theta_{1/2}$ is the off-axis angle where the luminous intensity is half the optical centerline value.

Soldering Conditions : Soldering Temp. $\leq 260^\circ C$

Soldering Time ≤ 5 Sec.



Caution : ESD protection measures shall be considered and taken in the initial design stage, because static electricity and surge could damage the LED.

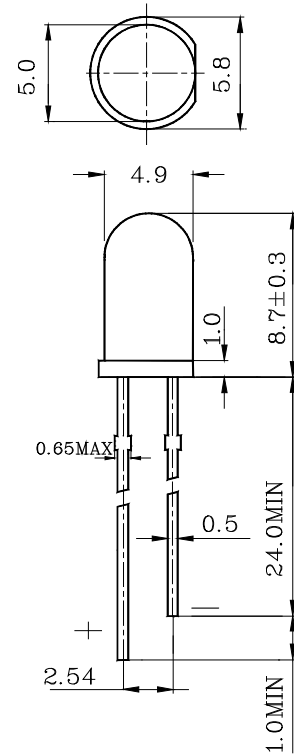
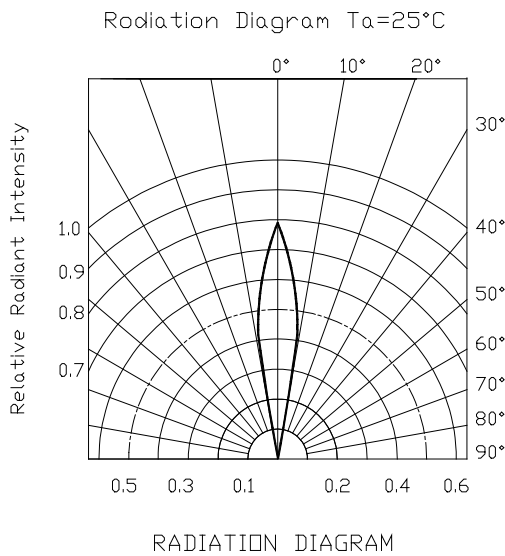
A wrist band or an anti-electrostatic glove should be used when handling Electrostatic Sensitive Devices.

PART NO. : 53W4UCA08

DATE : 3 February 2016

5MM/ULTRA BRIGHT WHITE ,WATER CLEAR

PACKAGE DIMENSION



Tolerance: $\pm 0.25(0.01)$

Unit: mm(inch)

Item	Materials
Resin(Mold)	Epoxy Resin
Lead Frame	Copper Alloy

Part Number	Emitting Color	Lens Type
53W4UCA08	WHITE	WATER CLEAR

PART NO. : 53W4UCA08

DATE : 3 February 2016

5MM/ULTRA BRIGHT WHITE ,WATER CLEAR

Typical Electrical/Optical Characteristics Curves

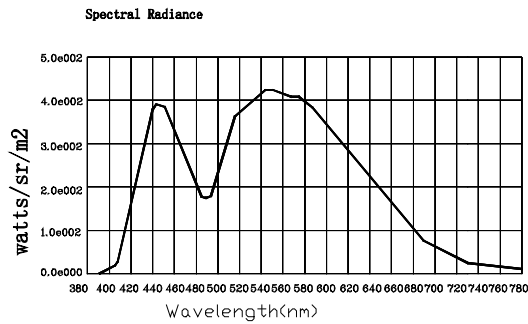


Fig1.Forward Current vs.Forward Voltage

Fig2.Relative Intensity vs. Forward Current

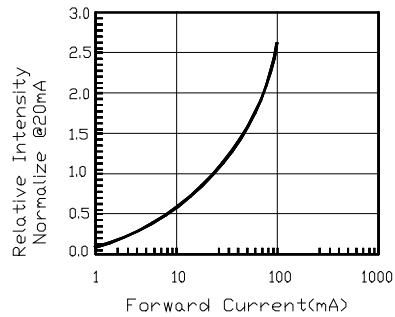
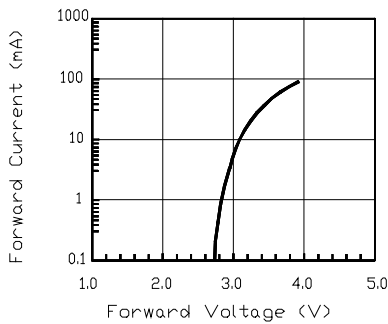


Fig3.Forward Voltage vs. Temperature

Fig4.Relative Intensity vs. Temperature

