



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.
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Approval Sheet
(確認書)

編號 Ref. No.	
日期 Issued Date	2022-03-02

公司名稱 : OZ
Company Name

產品編號 : SB-3010IRC
Part No.

產品種類 : INFRARED EMITTING DIODE 仅供参考
Category

產品描述 : 3MM/ WATER CLEAR LENS LED
Description

客戶產品編號 :
Customer No.

備注 :
Remarks

STRONG BASE			
ISSUER	APPROVER	CHECKER	ENGINEER
	黃志強	廖志平	馮健俊
Authorized Signature 客戶簽字			
部門 Department			
簽字 Signature			

工廠名稱:宇之亮電子(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 7303

FAX: (755) 28684819 2862 5922



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DATE : 2 March 2022

3MM/ WATER CLEAR LENS LED

SPECIFICATION

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Rating	Unit
Forward Current	If	50	mA
Electrostatic Discharge (HBM)	---	---	V
Power Dissipation	Pd	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1 ms Pulse Width)	IFP	200	mA
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+85	°C

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

Item	Symbol	Test Conditions	Rating			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF=20mA	---	1.25	1.6	V
Reverse Current	Ir	VR=5V	---	---	10	µA
Radiant Power	PO	IF=20mA	---	10	---	mW
Dominant Wave Length	λd	IF=20mA	---	940	---	nm
Recommend Forward Current	IF(Rec)	-----	---	20	---	mA
Viewing Angle 2θ _{1/2}	2θ _{1/2}	IF=20mA	20°			deg.

Notes:-

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

Soldering Conditions : Soldering Temp. ≤ 260°C

Soldering Time ≤ 5 Sec.



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

Caution

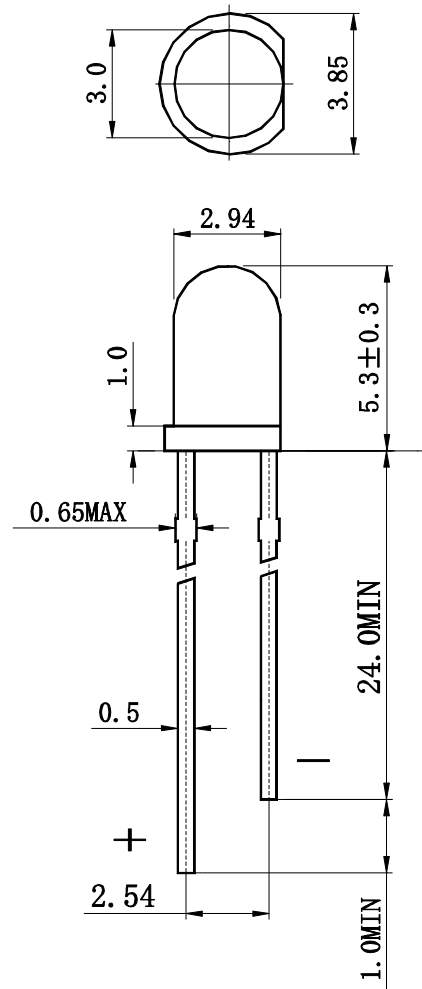
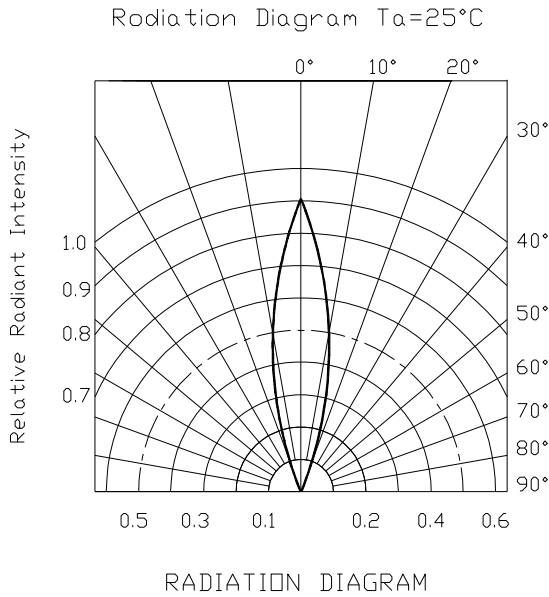
A wrist band or an anti-electrostatic glove should be used when handling Electrostatic Sensitive Devices.

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PACKAGE DIMENSION



Tolerance: ± 0.25(0.01)
Unit: mm(inch)

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

Part Number	Emitting Color	Lens Type
SB-3010IRC	/	WATER CLEAR



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3MM/ WATER CLEAR LENS LED

Typical Electrical/Optical Characteristics Curves

Fig1.Forward Current vs.Forward Voltage

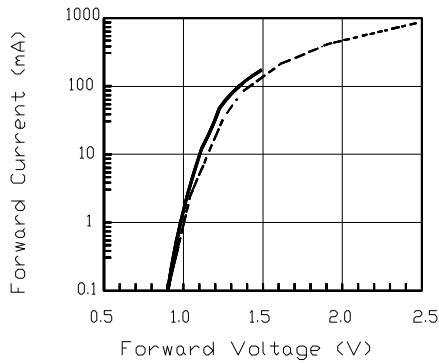


Fig2.Relative Radiant Intensity vs. Wavelength

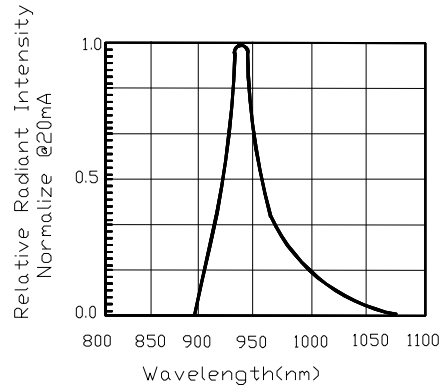


Fig3.Relative Radiant Power vs. Forward Peak Current

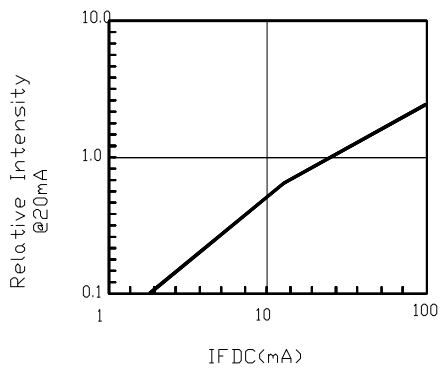


Fig4.Relative Radiant Power vs. Forward Peak Current

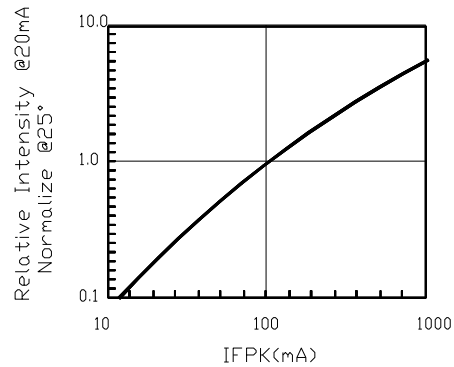


Fig5.Forward Voltage vs. Temperature

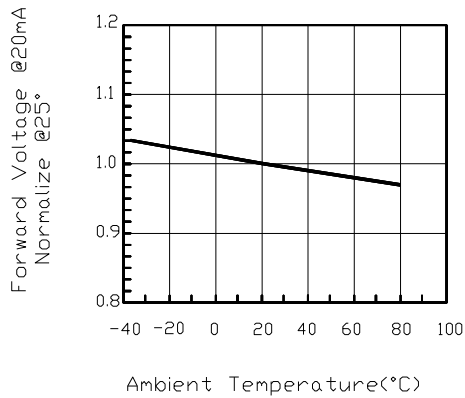
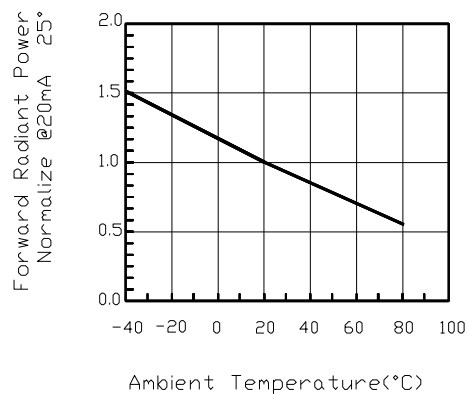


Fig6.Relative Radiant power vs. Temperature





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3MM/ WATER CLEAR LENS LED

LED lamp use explain

If there are 2 lights lamp use, according to the (PRETTY LIGHT) each small packaging labeled BIN to separate the use.

此产品在多颗使用时，需按照字之亮每小包上标示的 BIN 级来分开使用