



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

2021-10-06

公司名稱

: OZ

Company Name

產品編號

: 33B4SDA01

Part No.

產品種類

: LED-LAMP

仅供参考

Category

產品描述

: 3MM/ULTRA BRIGHT BLUE,BLUE DIFFUSED

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: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 7303 2869 6588

FAX: (755) 89767754 89767566

PART NO. : 33B4SDA01

DATE : 24 December 2021

3MM/ULTRA BRIGHT BLUE, BLUE DIFFUSED

SPECIFICATION

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Rating	Unit
Power Dissipation	P_D	85	mW
Forward Current	I_F	20	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~+85	°C
Storage Temperature	T_{stg}	-40~+85	°C

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

Item	Symbol	Test Conditions	Rating			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	$I_F=20mA$	2.7	3.1	3.6	V
Reverse Current	I_R	$V_R=5V$	---	---	10	μA
Luminous Intensity	I_v	$I_F=20mA$	---	350	---	mcd
Dominant Wave Length	λ_d	$I_F=20mA$	---	470	---	nm
Viewing Angle $2\theta_{1/2}$	$2\theta_{1/2}$	$I_F=20mA$	35°			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.



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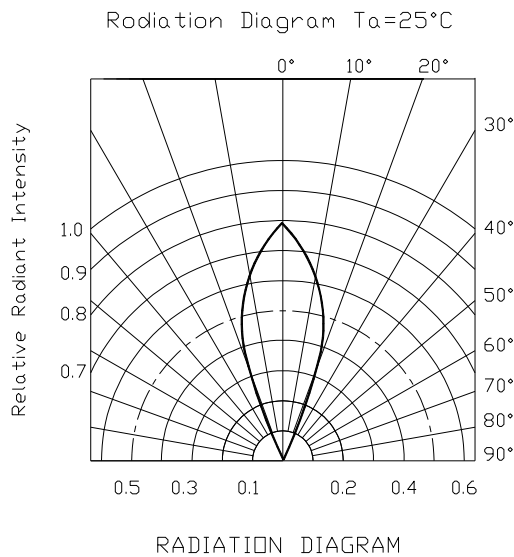


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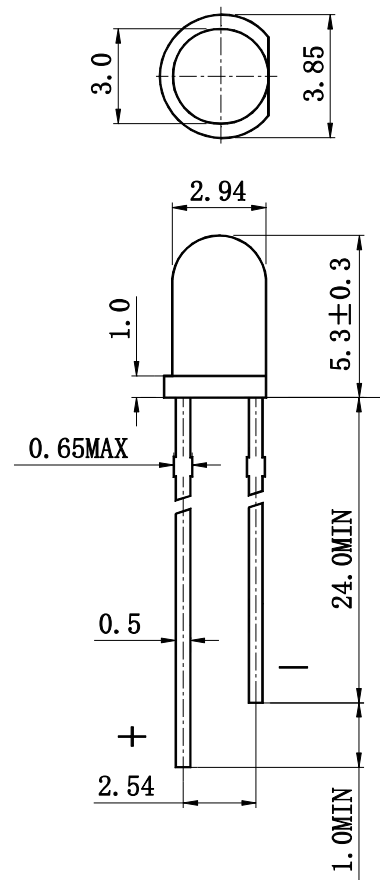
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3MM/ULTRA BRIGHT BLUE, BLUE DIFFUSED

PACKAGE DIMENSION



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



Tolerance: $\pm 0.25(0.01)$

Unit: mm(inch)

Part Number	Emitting Color	Lens Type
33B4SDA01	BLUE	BLUE DIFFUSED

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3MM/ULTRA BRIGHT BLUE, BLUE DIFFUSED

Typical Electrical/Optical Characteristics Curves

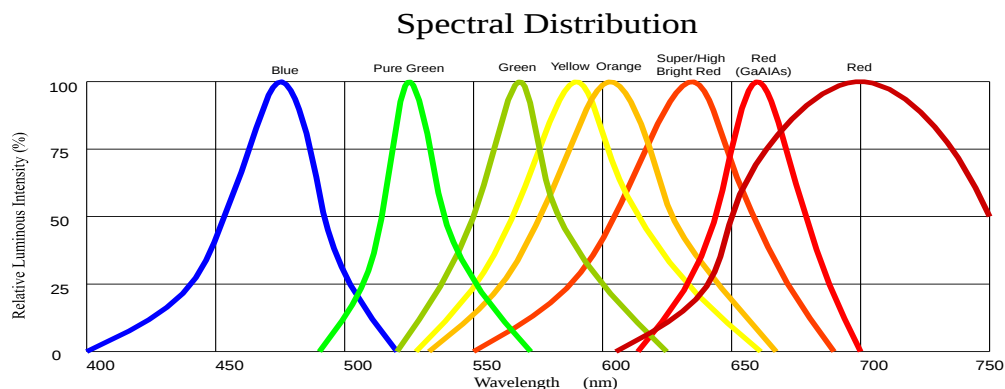


Fig1.Forward Current vs.Forward Voltage

Fig2.Relative Intensity vs. Forward Current

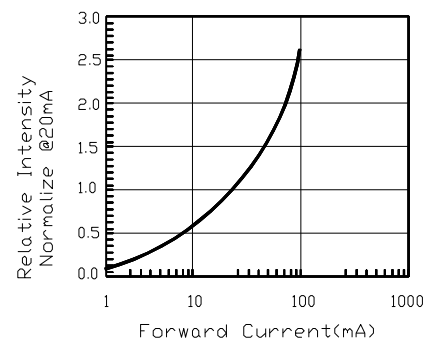
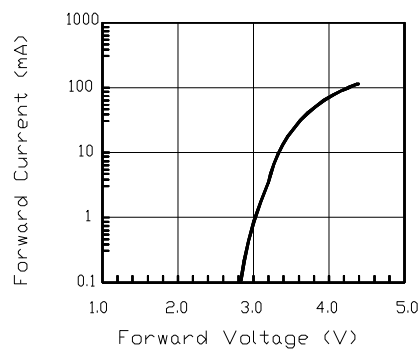
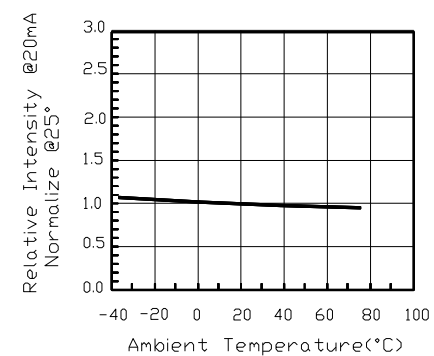
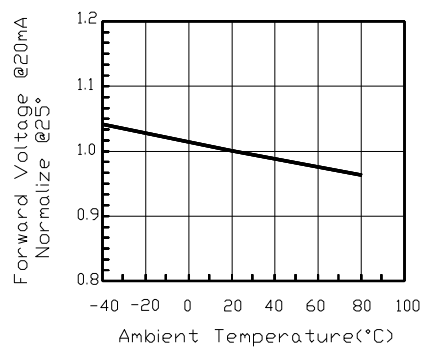


Fig3.Forward Voltage vs. Temperature

Fig4.Relative Intensity vs. Temperature





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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