



健隆投資有限公司
STRONG BASE INVESTMENT LTD.

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Approval Sheet
(確認書)

編號 Ref. No.	
日期 Issued Date	2020-9-25

公司名稱 : OZ
Company Name

產品編號 : 5RG9UWA08
Part No.

產品種類 : LED-LAMP
Category

產品描述 : 5MM/ SUPER BRIGHT DIFFUSED CLEAR 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	黃曼園

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)8976 7754 8976 7566

PART NO. : 5RG9UWA08

DATE : 25 September 2020

5MM/ SUPER BRIGHT WATER DIFFUSED LED

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Rating		Unit
		RED	GREEN	
Power Dissipation	P _D	RED	80	mW
		GREEN	80	
Forward Current	I _F	20		mA
Peak Forward Current (1/10 Duty Cycle, 0.1 ms Pulse Width)	I _{FP}	85		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	Color Emitted	Rating			Unit
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	RED	1.8	2.0	2.4	V
			GREEN	1.9	2.1	2.4	
Reverse Current	I _R	V _R =5V	RED	---	---	10	μA
			GREEN	---	---	10	
Luminous Intensity	I _v	I _F =20mA	RED	---	160	---	mcd
			GREEN	---	100	---	
Dominant Wave Length	λ _d	I _F =20mA	RED	---	625	---	nm
			GREEN	---	570	---	
Viewing Angle 2θ _{1/2}	2θ _{1/2}	I _F =20mA		45°			

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.

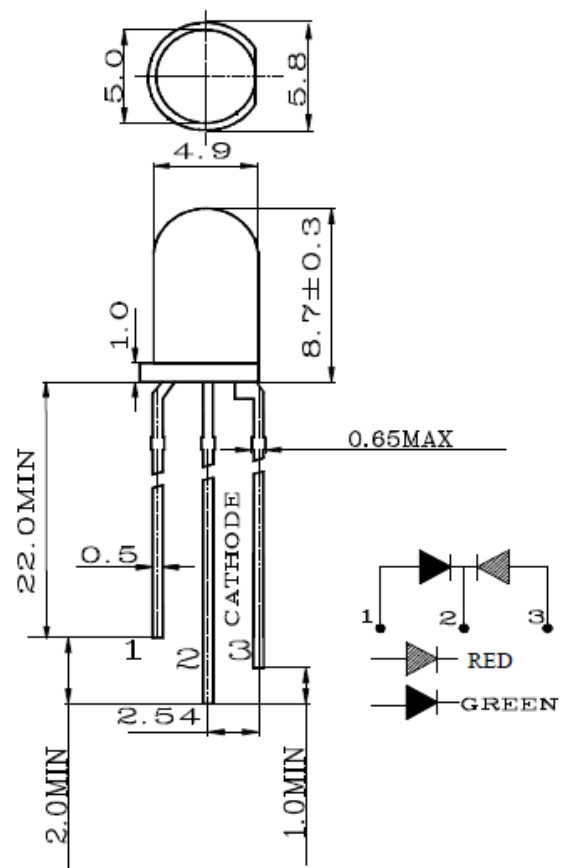
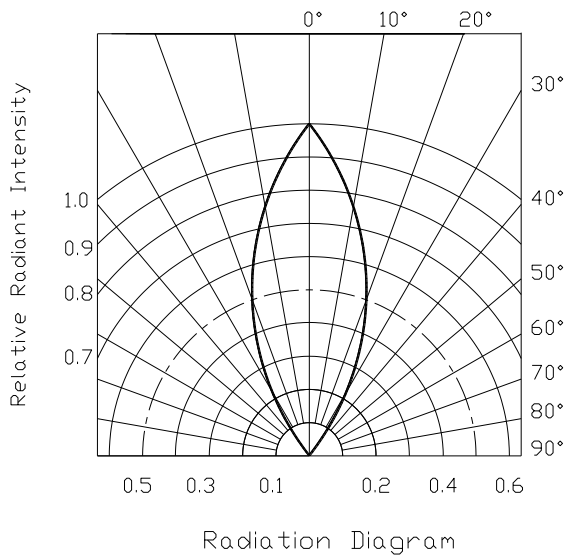


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5MM/ SUPER BRIGHT WATER DIFFUSED LED

PACKAGE DIMENSION



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

GREEN & RED

1. Anode GREEN
2. Common Cathode
3. Anode RED

Tolerance: ± 0.25(0.01)

Unit: mm(inch)

Part Number	Emitting Color	Lens Type
5RG9UWA08	RED	WATER DIFFUSED
	GREEN	

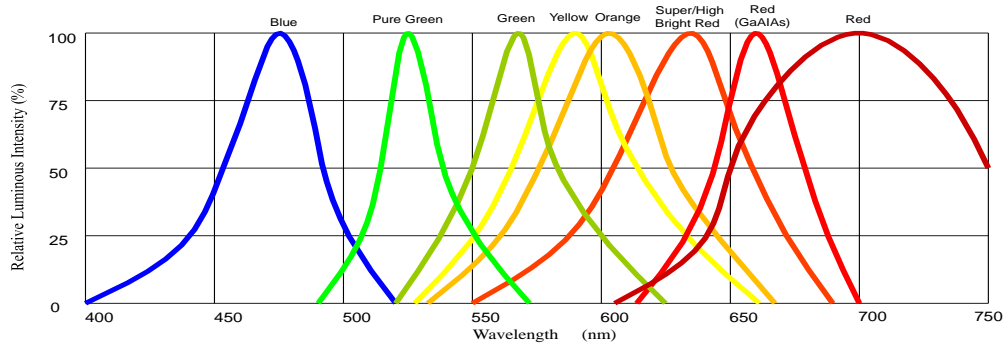
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5MM/ SUPER BRIGHT WATER DIFFUSED LED

Typical Electrical/Optical Characteristics Curves

Spectral Distribution



(25°C) Ambient Temperature Unless Otherwise Noted

Fig1. Forward Current vs. Forward Voltage

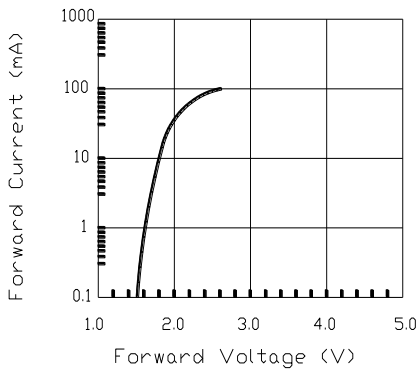


Fig2 Relative Luminous Intensity vs Forward Current

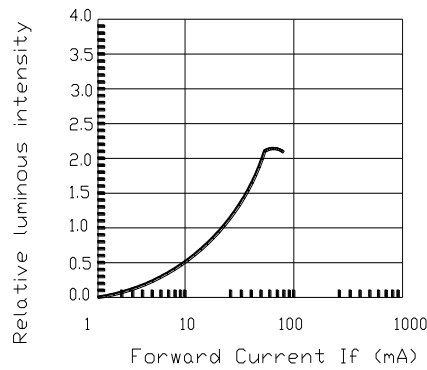


Fig3. Forward Current Derating Curve

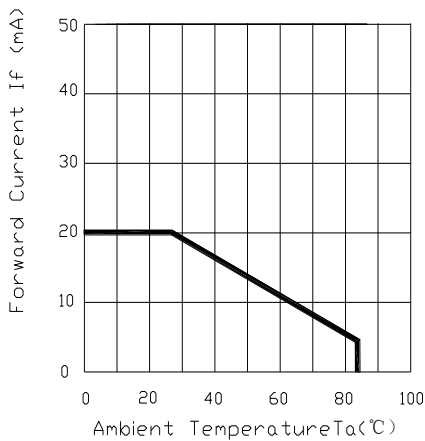


Fig4. Relative Luminous Intensity vs Ambient Temperature

