



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	2015-10-28

公司名稱 : _____
Company Name

產品編號 : 3RG9HC-1-A
Part No.

產品種類 : LED-LAMP
Category

產品描述 : 3MM/ HIGH BRIGHT WATER CLEAR LED
Description

客戶產品編號 : _____
Customer No.

備注 : _____
Remarks

STRONG BASE			
SSUER	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: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 2869 6588 FAX: (755) 89767303 89767566



PART NO. : 3RG9HC-1-A

DATE :3 February 2016

3MM/ HIGH BRIGHT WATER CLEAR LED

SPECIFICATION

ABSOLUTE MAXIMUM RATING (Ta=25°C)

Item	Symbol	Condition	Rating		Unit
Power Dissipation	P _D	I _F =20mA	GREEN	80	mW
		I _F =20mA	RED	80	
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	I _R =50μA	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	GREEN	1.8	2.1	2.8	V
			RED	1.7	2.0	2.4	
Reverse Current	I _R	V _R =5V	GREEN	---	---	10	μA
			RED	---	---	10	
Luminous Intensity	I _v	I _F =20mA	GREEN	---	40	---	mcd
			RED	---	40	---	
Dominant Wave Length	λ _d	I _F =20mA	GREEN	---	570	---	nm
			RED	---	645	---	
Viewing Angle 2θ _{1/2}	2θ _{1/2}	I _F =20mA		45°			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.

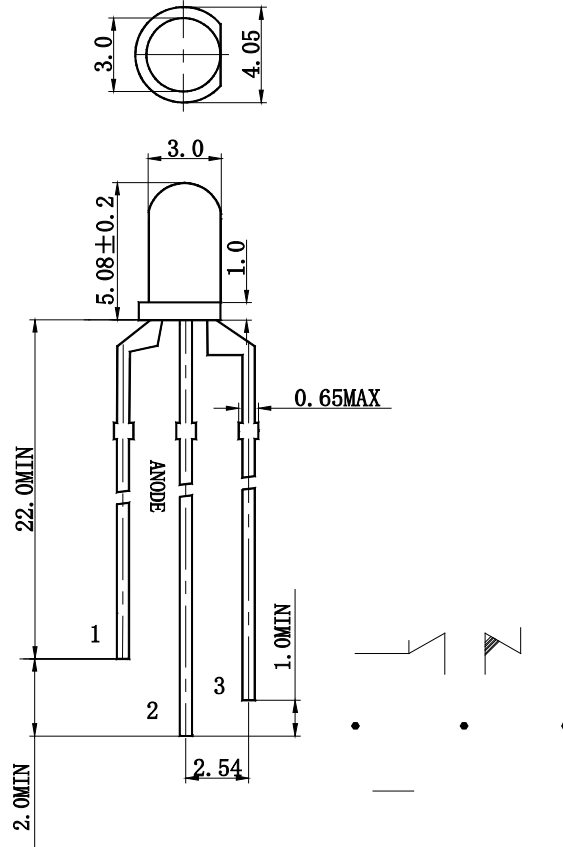
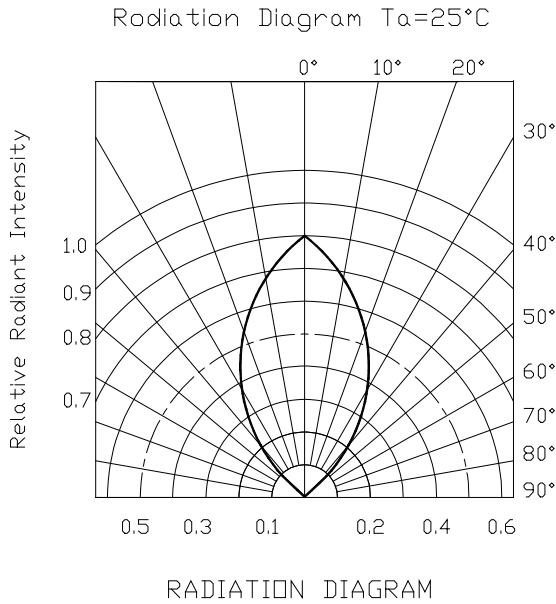


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PACKAGE DIMENSION



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

RED & GREEN

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

Tolerance: $\pm 0.25(0.01)$

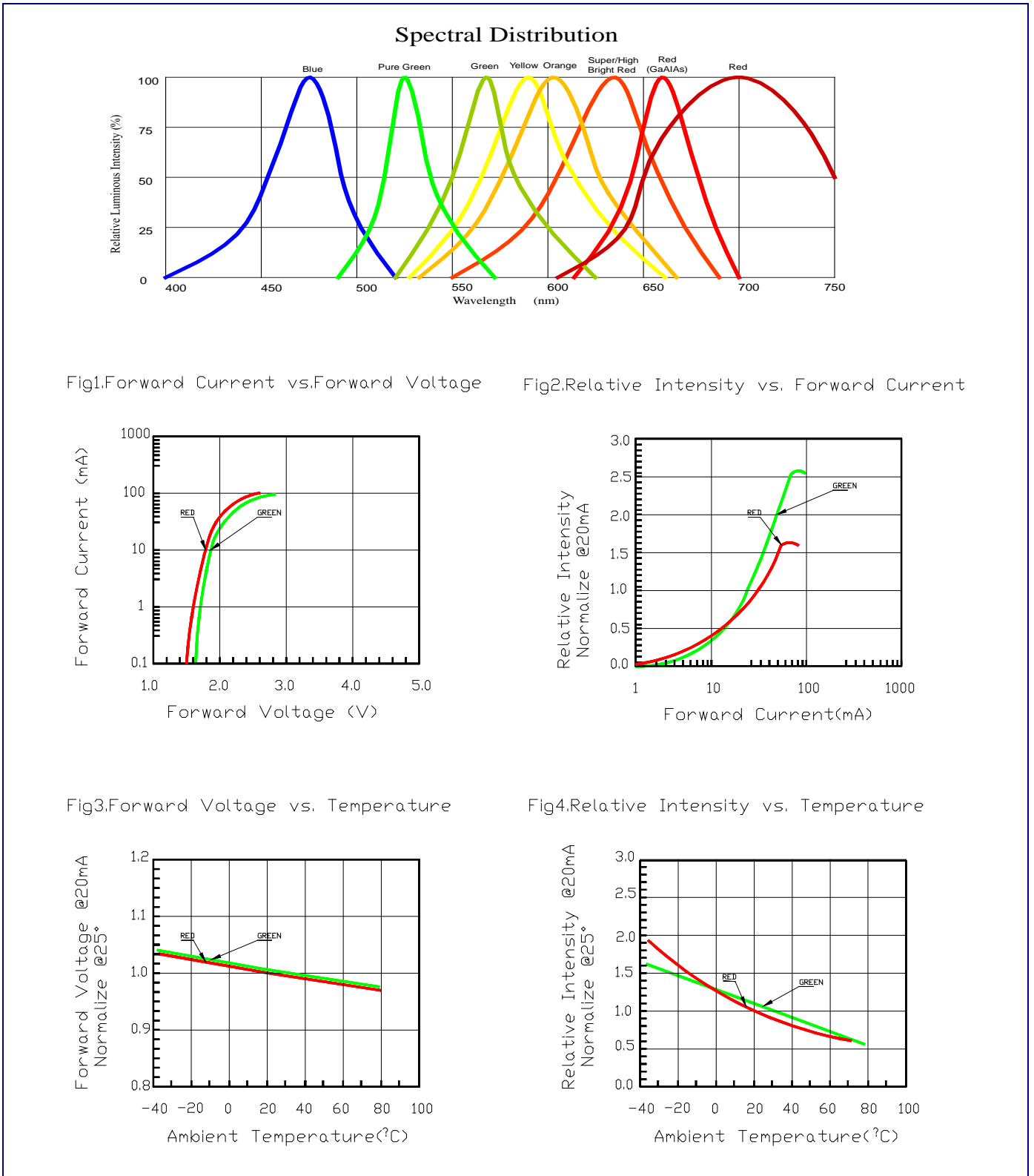
Unit: mm(inch)

Part Number	Emitting Color	Lens Type
3RG9HC-1-A	RED	WATER CLEAR
	GREEN	

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3MM/ HIGH BRIGHT WATER CLEAR LED



Typical Electrical/Optical Characteristics Curves