APPROVAL SHEET

Part No: BF3H20G-ZWR-020mA

NOTE :

Green Part

MAKER			CUSTOMER	
SOLIDLITE				
R&D	QA	Sales	Checked	Approved

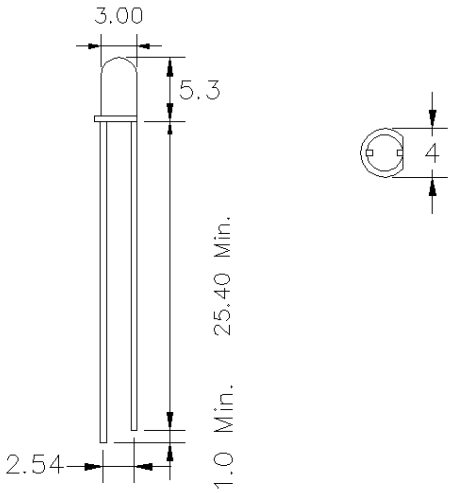
Prepared	Checked	Approved
Rachel Lee	Hann Chiu	Kenneth Wu

No. 15, Sanmin S.Rd.,Fongshan Village, Hukou Township, Hsinchu County 303,Taiwan,R.O.C.

TEL:886-3-5986248 FAX:886-3-5986247 http://www.solidlite.com

DESCRIPTION:

Device Type : BF3H20G-ZWR-020mA
Dice Material : InGaN
Light Color : Warm White
Lens Color : Water Clear
Lens Dimension : 3 mm



Absolute Maximum Ratings at Ta=25℃

Parameter	Max.	Unit
Power Dissipation	95	mW
Reverse Voltage	5	V
Peak Forward Current(1/10 Duty Cycle @1KHz)	100	mA
Operating Temperature	Topr：-40 ~ +85	℃
Storage Temperature	Tstr：-40 ~ +100	℃
Solder DIP (MAX. 5 seconds, 1.6mm from body) Temperature 260℃		

Electrical and Optical Characteristics at Ta=25℃

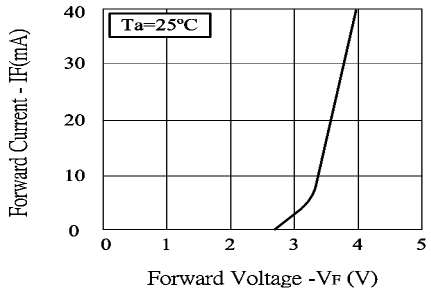
Symbol	Description	Test Condition	Min.	Typ.	Max.	Unit
V_F	Forward Voltage	I_F = 20mA	-	3.2	3.8	V
I_R	Reverse Current	V_R = 5V	-	-	10	μA
2θ□ 1/2	Viewing Angle	I_F = 20mA	-	20	-	Deg.
I_V	Luminous Intensity	I_F = 20mA	6000	9000	-	mcd

Note:
1.The lead should be formed up to 5mm from the body of device without forming stress.
2. Soldering shall be performed after lead forming.
3. All dimensions are in millimeters
4 Static Electricity and surge damage the LED lamps.
It is recommended to use a wrist band or anti-electrostatic glove when handing the LED lamp

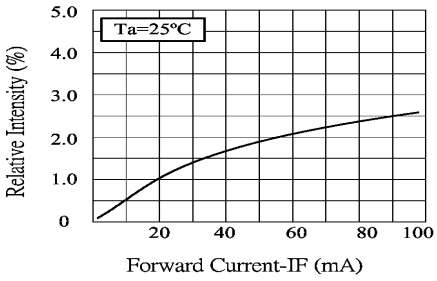
LED LAMP Technical Data

Typical Optical-Electrical Characteristic Curves

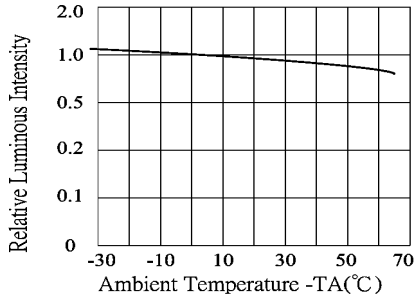
Forward Current Vs. Forward Voltage



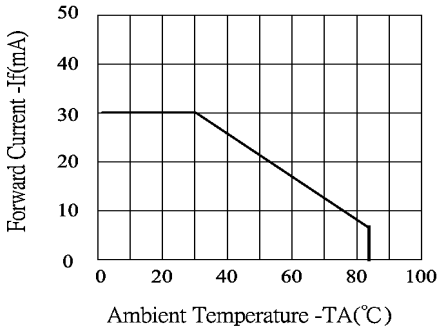
Luminous Intensity Vs. Forward Current



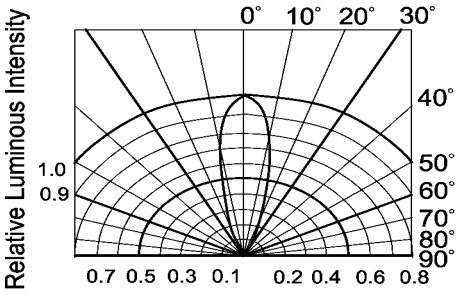
Luminous Intensity Vs. Ambient Temperature



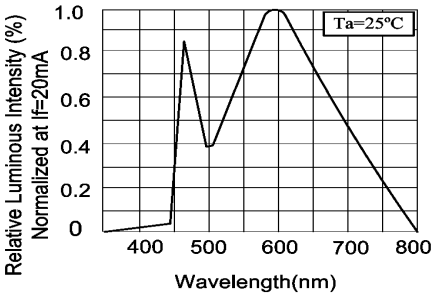
Forward Current Vs. Ambient Temperature



Radiation Pattern



Relative Luminous Intensity Vs. Wavelength



CHROMATICITY COORDINATES GRADIN

Rank		Chromticity Coordinates			
A	X	0.364	0.377	0.384	0.370
	Y	0.351	0.365	0.350	0.336
B	X	0.377	0.389	0.398	0.384
	Y	0.365	0.378	0.364	0.350
C	X	0.389	0.402	0.411	0.398
	Y	0.378	0.392	0.379	0.364
D	X	0.402	0.414	0.425	0.411
	Y	0.392	0.405	0.393	0.379
*Tolerance X ±0.02					

No. 15, Sanmin S.Rd.,Fongshan Village, Hukou Township, Hsinchu County 303,Taiwan,R.O.C.

TEL:886-3-5986248 FAX:886-3-5986247 http://www.solidlite.com