



和辉光电
Hehui

Qingdao Hehui Optoelectronic Co., Ltd.

DATA SHEET

REV:1.0

DATA:2009.09.01

DATA SHEET

Model No. : HH-LBR53151

Description:

- 5.0*8.7mm Round Lamp
- Lens Color: Blue Transparent
- Emission Color: Blue
- Viewing Angle: 15°



Add: No.5 Seoul Road, Qingdao Free Trade Zone, Shandong, China
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Part No: HH-LBR53151

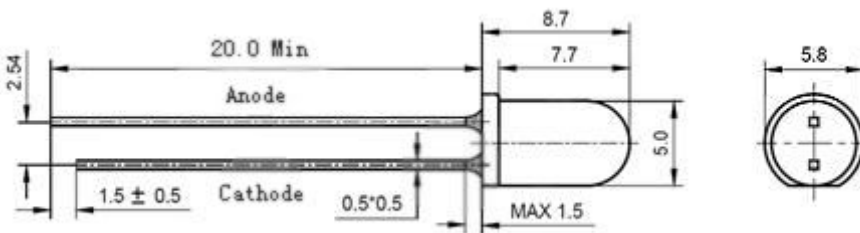
Features:

- ※Super High Brightness
- ※High Reliability
- ※Fade Resistant

Applications

1	Indicators
2	Illuminations
3	Spot Lights

Package Dimensions



Unit: mm
Tolerance are ± 0.25 ,
unless note otherwise

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Max	Unit
Power Dissipation	P _O	100	mW
Peak Forward Current ※1	I _{FP}	100	mA
Continuous Forward Current	I _F	20	mA
Reverse Voltage	V _R	5	V
Operating Temperature Rang	T _{opr}	-25°C to +80°C	
Storage Temperature Rang	T _{stg}	-40°C to +100°C	
Lead Soldering Temperature ※2	T _{sol}	260	°C

Notes:

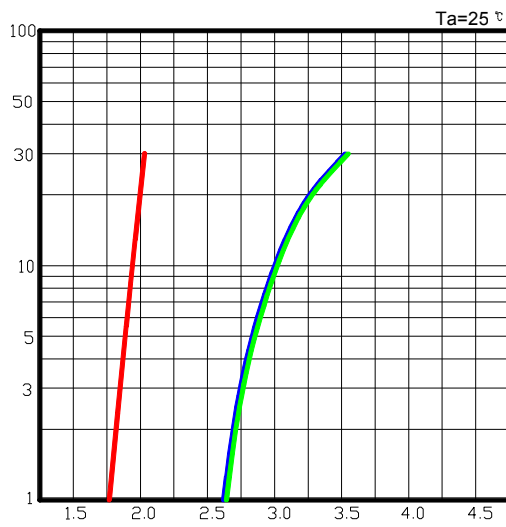
- ※ 1 Duty Ratio max 1/10 Pulse Width max. 0.1ms;
 - ※ 2 At the position of 4mm from the bottom of the package within 5 seconds
- Recommend drive current as bellow to ensure its life time
Red Yellow: 15-16 mA
Green: 15-16mA
Blue: 12-13mA



Electrical Optical Characteristics (Ta=25°C, IF=20mA)

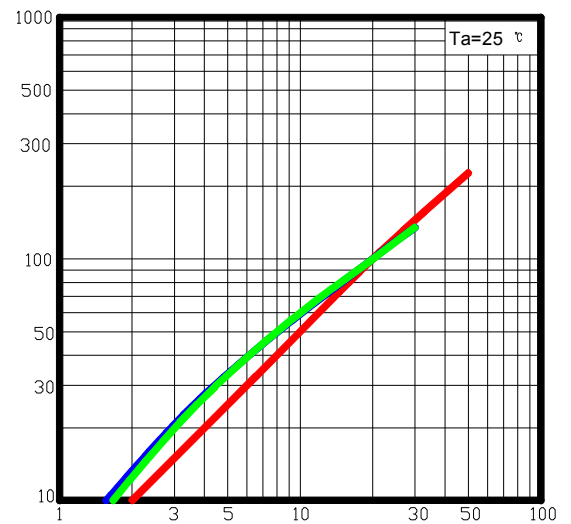
Part No.	Material	Lens	Emitting Color	Forward Voltage (V)		Luminous Intensity (mcd)		Dominant Wavelength (nm)		Viewing Angle (2θ1/2)
				min	max	min	max	min	Max	
HH-LBR53151	InGaN	Colored Transparent	Blue	3.0	3.5	5000	-	460	470	15°

VF-IF



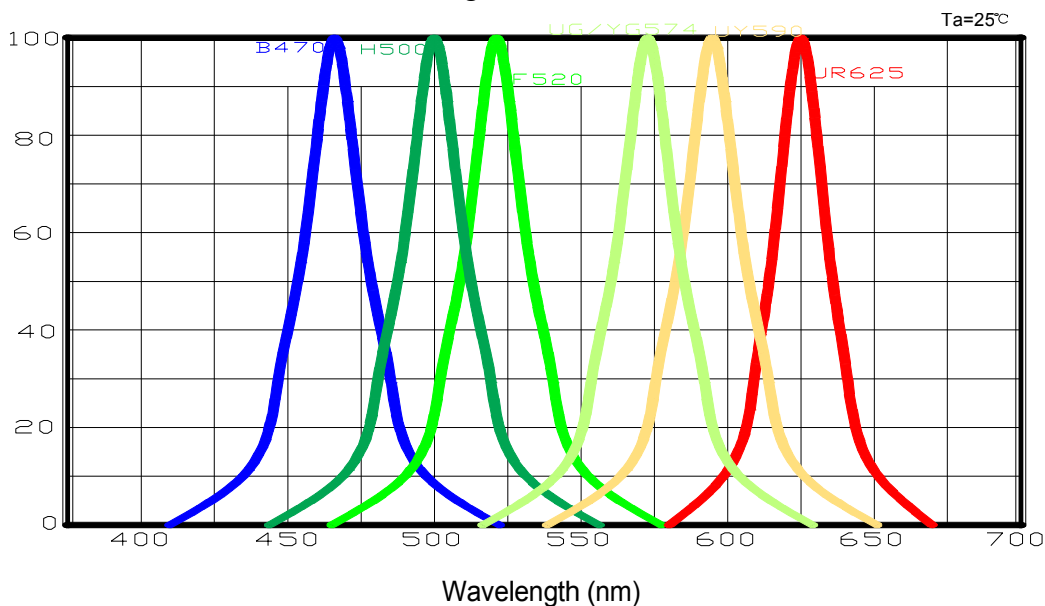
Forward Voltage VF (v)

Relative Luminous Intensity-Ta



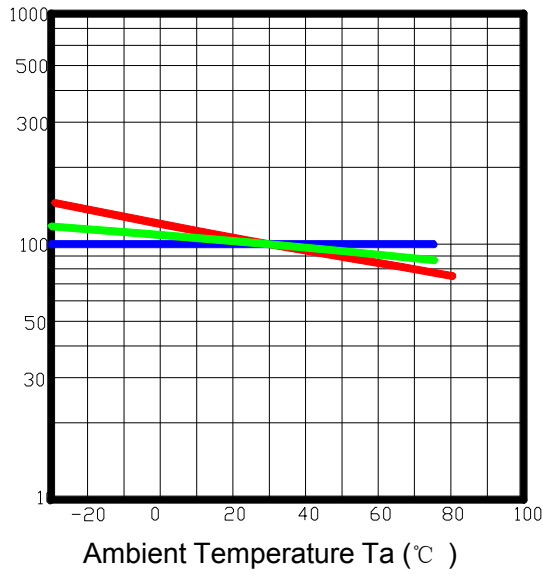
Forward Current IF (mA)

Wavelength Characteristics





Relative Luminous Intensity-Ta



IF-Ta

