

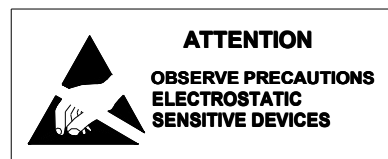


# DATA SHEET

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  
Tel: +86-0532-86769291/86760027/86760028  
Fax: +86-86760029  
Web: <http://www.qdhehui.com/>



**Part No: HH-LBR53151**

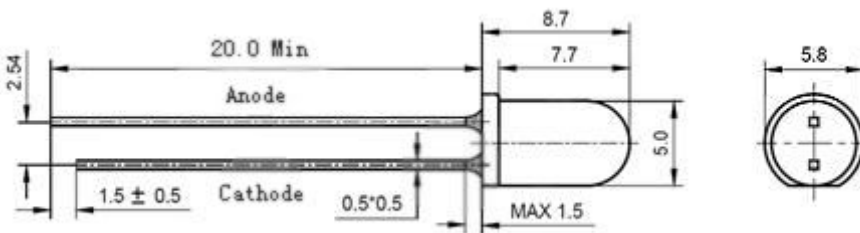
**Features:**

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

**Applications**

1	Indicators
2	Illuminations
3	Spot Lights

**Package Dimensions**



Unit: mm  
Tolerance are  $\pm 0.25$ ,  
unless note otherwise

**Absolute Maximum Ratings (Ta=25°C)**

Parameter	Symbol	Max	Unit
Power Dissipation	P <sub>O</sub>	100	mW
Peak Forward Current ※1	I <sub>FP</sub>	100	mA
Continuous Forward Current	I <sub>F</sub>	20	mA
Reverse Voltage	V <sub>R</sub>	5	V
Operating Temperature Rang	T <sub>opr</sub>	-25°C to +80°C	
Storage Temperature Rang	T <sub>stg</sub>	-40°C to +100°C	
Lead Soldering Temperature ※2	T <sub>sol</sub>	260	°C

Notes:

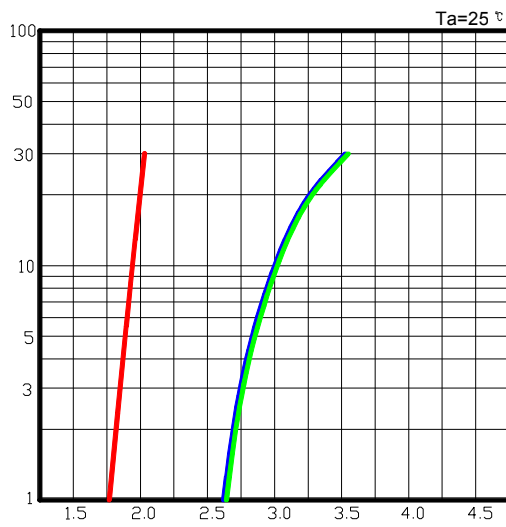
- ※ 1 Duty Ratio max 1/10 Pulse Width max. 0.1ms;
  - ※ 2 At the position of 4mm from the bottom of the package within 5 seconds
- Recommend drive current as bellow to ensure its life time  
Red Yellow: 15-16 mA  
Green: 15-16mA  
Blue: 12-13mA



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

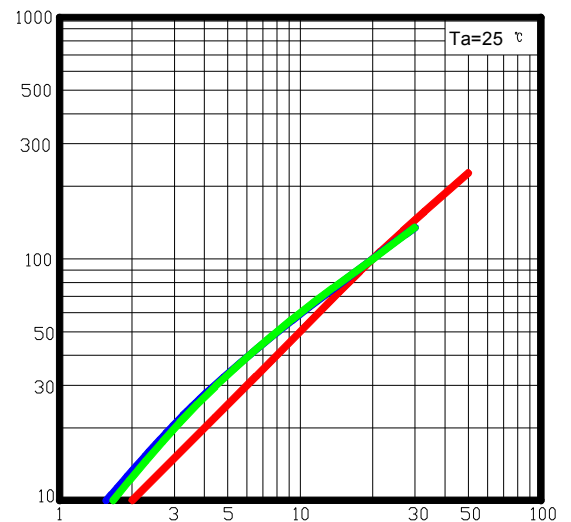
Part No.	Material	Lens	Emitting Color	Forward Voltage (V)		Luminous Intensity (mcd)		Dominant Wavelength (nm)		Viewing Angle (2θ1/2)
				min	max	min	max	min	Max	
HH-LBR53151	InGaN	Colored Transparent	Blue	3.0	3.5	5000	-	460	470	15°

VF-IF



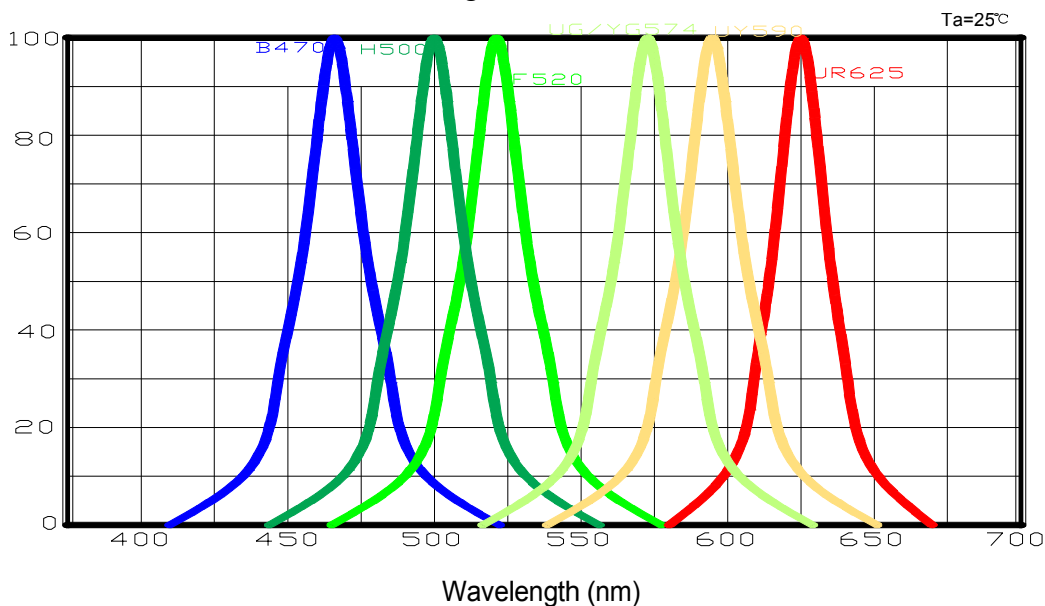
Forward Voltage VF (v)

Relative Luminous Intensity-Ta



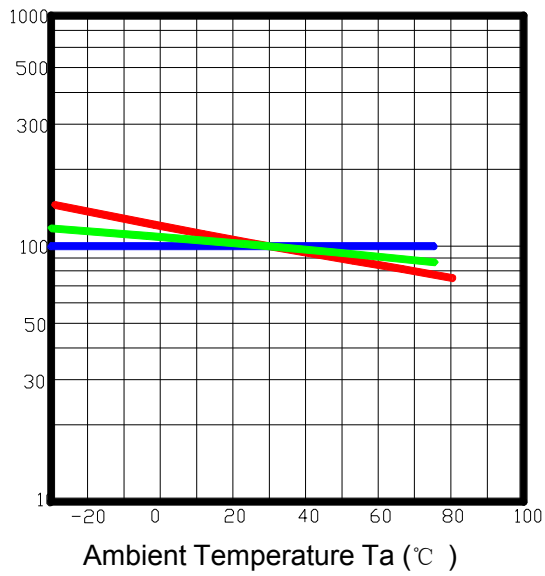
Forward Current IF (mA)

Wavelength Characteristics





Relative Luminous Intensity-Ta



IF-Ta

