

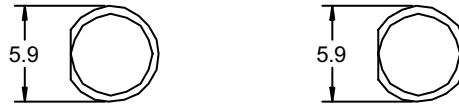


**BVU-5G3GC4**

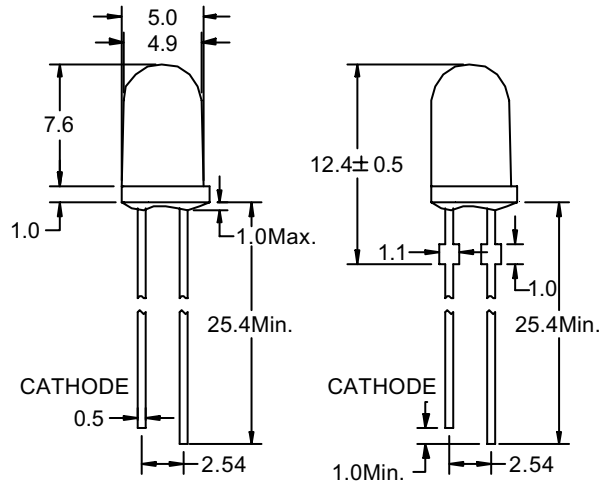
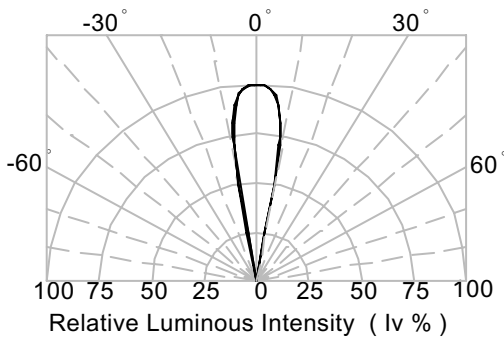
**PACKAGE CONFIGURATION**

**DESCRIPTION**

Dice Material : InGaN/SiC Bluish Green  
 Light Color : Bluish Green Color  
 Lens Color : Water Transparent  
 Stand-Off P/N : BVU-5G3GC4 R



**RADIATION PATTERN**



Tolerance ± 0.25 mm

**ABSOLUTE MAXIMUM RATINGS AT Ta = 25 °C**

PARAMETER	MAX.	UNIT
Power Dissipation	120	mW
Continuous Forward Current	30	mA
Peak Forward Current ( 1/10 Duty Cycle , 0.1ms Pulse Width )	100	mA
Reverse Voltage	5	V
Derating Linear From 50 °C	0.4	mA/°C
Operating Temperature Range	-40 °C to + 100 °C	
Storage Temperature Range	-40 °C to + 100 °C	
Lead Solder Temperature 1.6 mm Below Package 260 °C for 5 seconds		

**ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25 °C**

SYMBOL	PARAMETER	TEST COND.	MIN.	TYP.	MAX.	UNIT
V F	Forward Voltage	I F = 20 mA		3.5	4.2	V
I R	Reverse Current	V R = 5V			10	μA
λ p	Peak Emission Wavelength	I F = 20 mA		502		n m
λ d	Dominant Wavelength	I F = 20 mA		505		n m
2 θ 1/2	Viewing Angle	I F = 20 mA		20		Deg

**BIN GRADE LIMITS ( I F = 20 mA ) LUMINOUS INTENSITY / mcd**

Bin	I	J	K	L	M	N
Min.	780	1000	1300	1680	2180	2800
Max.	1000	1300	1680	2180	2800	3600

Tolerance ± 15% mcd

\*Bright View reserves the rights to alter specifications and remove availability of products at any time without notice.

\*Dominant Wavelength, λ d is according to CIE Chromaticity Diagram base on color of lamps.

\* θ 1/2 is the off-axis angle where the luminous intensity is one half the on-axis intensity.

\*These products are sensitive to static electricity. Caution must be taken strictly to avoid static electricity.