

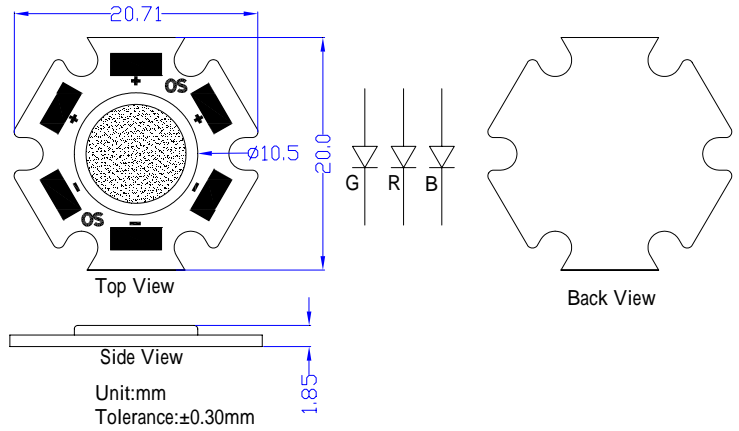
■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life
- Superior ESD protection
- Superior UV Resistance

■Applications

- Small Area Illuminations
- Games
- Bollards / Security / Garden
- Audio

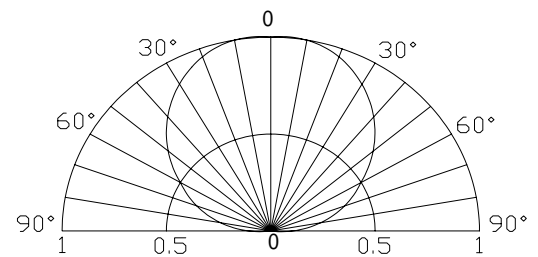
■Outline Dimension



■Absolute Maximum Rating (Ta=25)

Item	Symbol	Value		Unit
		Red	Green/Blue	
DC Forward Current	I_F	600	600	mA
Pulse Forward Current*	I_{FP}	800	800	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	2,100	2,700	mW
Operating Temperature	T_{opr}	-30 ~ +85		
Storage Temperature	T_{stg}	-40 ~ +100		
Lead Soldering Temperature	T_{sol}	260 /5sec		-

■Directivity



*Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics (Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F (R)$	$I_F=500mA$	2.5	3.0	3.5	V
	$V_F (B/G)$	$I_F=500mA$	3.5	4.0	4.5	V
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Domi. Wavelength	$\lambda_D (Red)$	$I_F=500mA$	619	624	629	nm
	$\lambda_D (Green)$	$I_F=500mA$	520	525	535	nm
	$\lambda_D (Blue)$	$I_F=500mA$	455	460	465	nm
Luminous Flux	$v (Red)$	$I_F=500mA$	40	50	60	lm
	$v (Green)$	$I_F=500mA$	80	90	100	lm
	$v (Blue)$	$I_F=500mA$	20	25	30	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=500mA$	-	120		deg

Note: *1. Tolerance of chromaticity coordinates is $\pm 10\%$ *2. Dominant wavelength tolerance: $\pm 1nm$

*3. Tolerance of luminous Flux is $\pm 15\%$

*4 Don't drive at rated current more than 5s without heat sink for Xeon 1 Power emitter series.