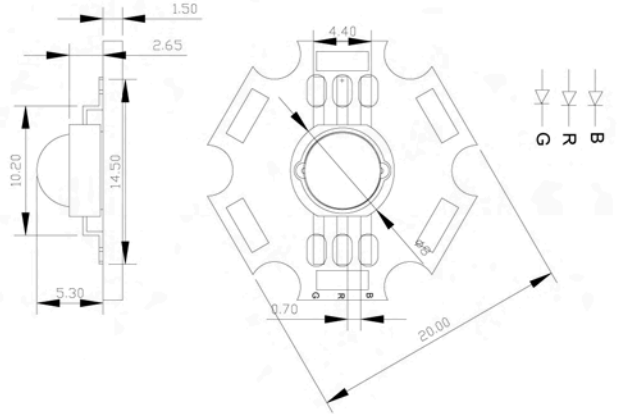


LED Chip 3W Highpower RGB

Features:

- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection



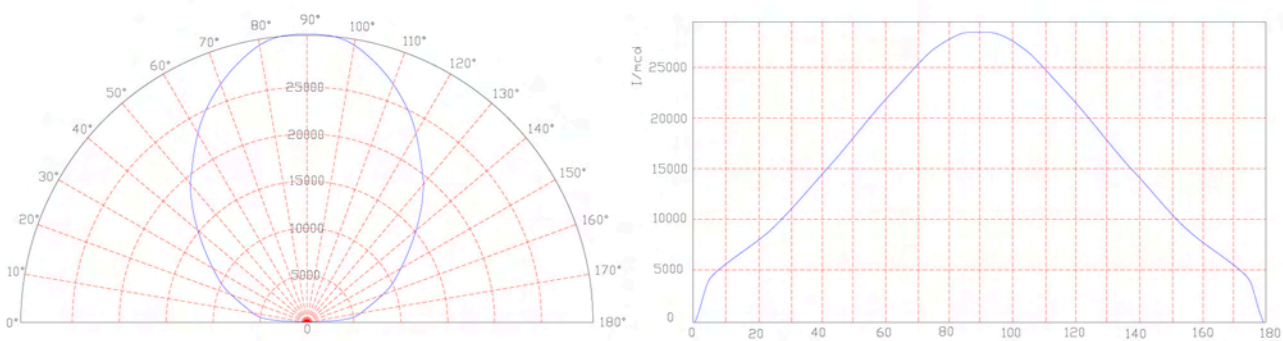
Typical Applications:

- Indoor lighting
- Architectural and landscape lighting
- Roadway Lighting
- Decorative

NOTE:

- All dimensions are millimeter.
- Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

Radiation Diagram



Number	Part Number RGB
1x	77800048
5x	77800049
10x	77800050

LED Chip 3W Highpower RGB

Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Rating		Unit
			R.	G/B	
DC Forward Current	IF	----	350		mA
Peak Pulse Current	Ipeak	Duty=0.1, 1kHz	1000		mA
Reverse Voltage	VR	----	5		V
Power Dissipation	Pd	----	0.75	1.0	W
LED Junction Temperature	Tj	----	120		°C
Operating Temperature	Topr	----	-25	+75	°C
Storage Temperature	Tstr	----	-40	+85	°C

Electrical And Optical Characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	R		G		B		Unit
			Min	Max	Min	Max	Min	Max	
Forward Voltage	VF	IF = 350mA	2.0	2.4	3.0	3.4	3.0	3.4	V
Luminous Flux	Φv	IF = 350mA	40	60	70	90	15	30	lm
Dominate Wavelength	λd	IF = 350mA	620	630	520	530	460	470	nm
Reverse Current	IR	VR=5V	10						μA
Viewing Angle	2 θ 1/2	IF = 350mA	140						Deg