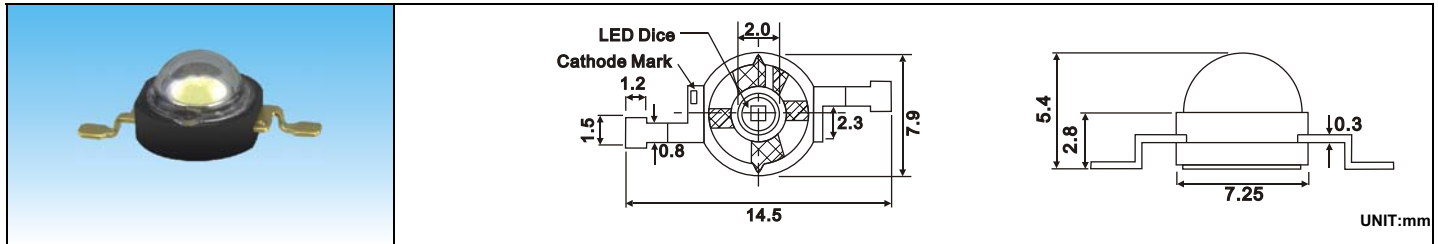


High Power 3W For Lambertian LEDs

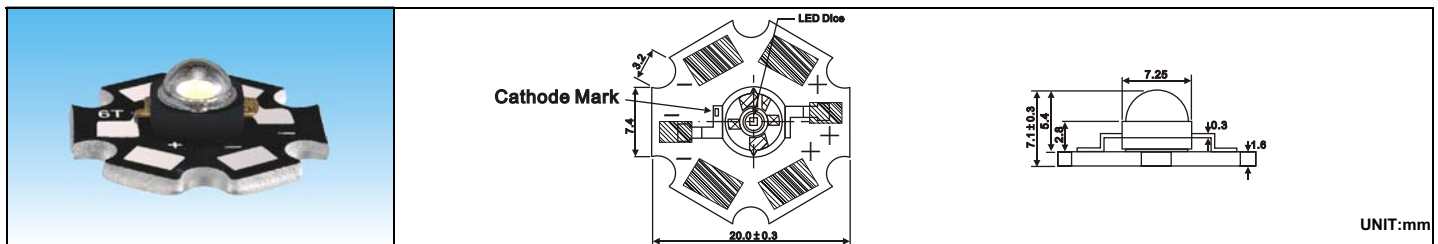


IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λ_p	λ_d	Typical (V)	IV	Angle 2θ 1/2



HPB8b-43K3G		Green	Water clear	520	525	3.6	100.0	120
HPB8b-44K3Y		Yellow		595	590	2.3	75.0	
HPB8b-45K3R		Red		635	625	2.3	85.0	
HPB8b-48K3B		Blue		462	465	3.6	36.0	
HPB8b-48K3BB		Blue		462	465	3.3	50.0	
HPB8b-49K3W		Pure White		6000°K		3.6	130.0	
HPB8b-49K3WB		Pure White		6000°K		3.3	155.0	
HPB8b-49K3YW		Warm White		3300°K		3.6	105.0	
HPB8b-49K3YWB		Warm White		3300°K		3.3	130.0	



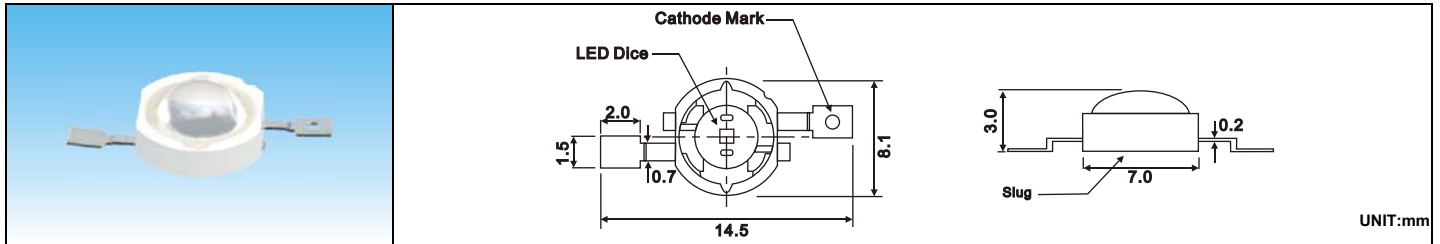
HPB8b-43K3G/PCB		Green	Water clear	520	525	3.6	100.0	120
HPB8b-44K3Y/PCB		Yellow		595	590	2.3	75.0	
HPB8b-45K3R/PCB		Red		635	625	2.3	85.0	
HPB8b-48K3B/PCB		Blue		462	465	3.6	36.0	
HPB8b-48K3BB/PCB		Blue		462	465	3.3	50.0	
HPB8b-49K3W/PCB		Pure White		6000°K		3.6	130.0	
HPB8b-49K3WB/PCB		Pure White		6000°K		3.3	155.0	
HPB8b-49K3YW/PCB		Warm White		3300°K		3.6	105.0	
HPB8b-49K3YWB/PCB		Warm White		3300°K		3.3	130.0	



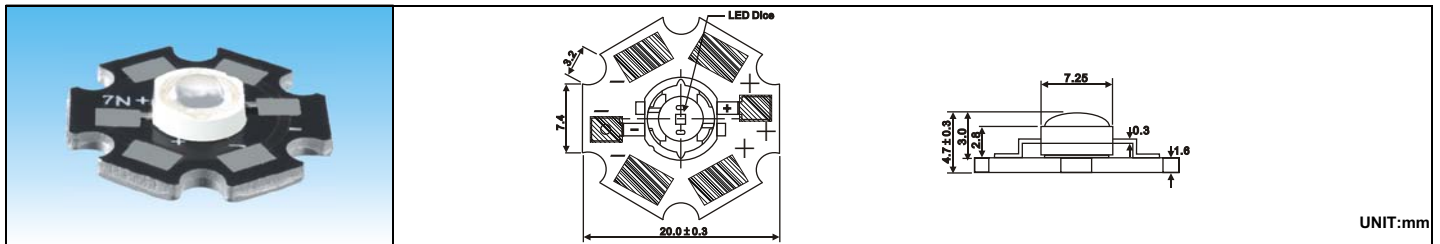
High Power 3W For Lambertian LEDs

IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λp	λd	Typical (V)	IV	Angle 2θ 1/2



HPB8C-43K3G		Green	Water clear	520	525	3.6	100.0	120
HPB8C-44K3Y		Yellow		595	590	2.3	75.0	
HPB8C-45K3R		Red		635	625	2.3	85.0	
HPB8C-48K3B		Blue		462	465	3.6	36.0	
HPB8C-48K3BB		Blue		462	465	3.3	50.0	
HPB8C-49K3W		Pure White		6000°K		3.6	130.0	
HPB8C-49K3WB		Pure White		6000°K		3.3	155.0	
HPB8C-49K3YW		Warm White		3300°K		3.6	105.0	
HPB8C-49K3YWB		Warm White		3300°K		3.3	130.0	



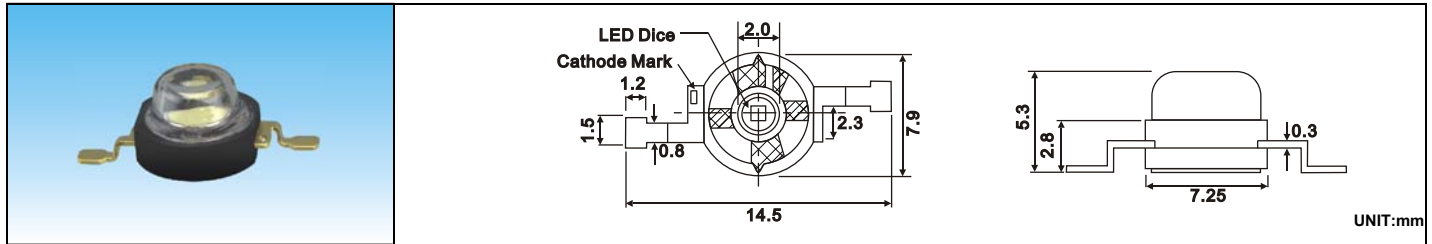
HPB8C-43K3G/PCB		Green	Water clear	520	525	3.6	100.0	120
HPB8C-44K3Y/PCB		Yellow		595	590	2.3	75.0	
HPB8C-45K3R/PCB		Red		635	625	2.3	85.0	
HPB8C-48K3B/PCB		Blue		462	465	3.6	36.0	
HPB8C-48K3BB/PCB		Blue		462	465	3.3	50.0	
HPB8C-49K3W/PCB		Pure White		6000°K		3.6	130.0	
HPB8C-49K3WB/PCB		Pure White		6000°K		3.3	155.0	
HPB8C-49K3YW/PCB		Warm White		3300°K		3.6	105.0	
HPB8C-49K3YWB/PCB		Warm White		3300°K		3.3	130.0	

High Power 3W For Batwing LEDs

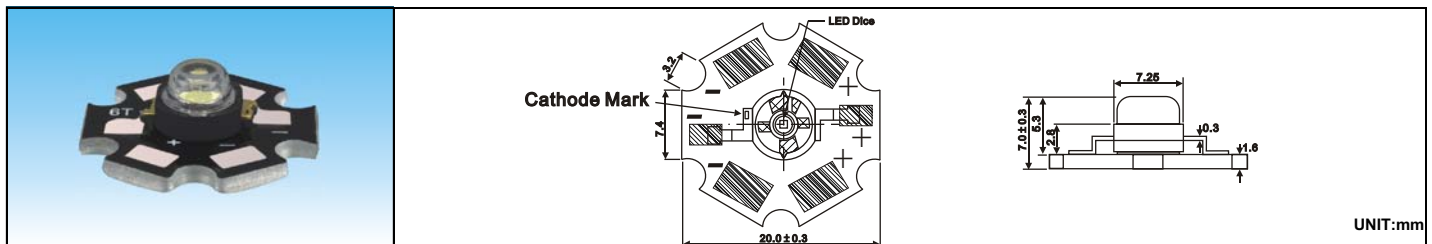


IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPC8b-43K3G		Green	Water clear	520	525	3.6	100.0	110
HPC8b-44K3Y		Yellow		595	590	2.3	75.0	
HPC8b-45K3R		Red		635	625	2.3	85.0	
HPC8b-48K3B		Blue		462	465	3.6	36.0	
HPC8b-48K3BB		Blue		462	465	3.3	50.0	
HPC8b-49K3W		Pure White		6000°K		3.6	130.0	
HPC8b-49K3WB		Pure White		6000°K		3.3	155.0	
HPC8b-49K3YW		Warm White		3300°K		3.6	105.0	
HPC8b-49K3YWB		Warm White		3300°K		3.3	130.0	



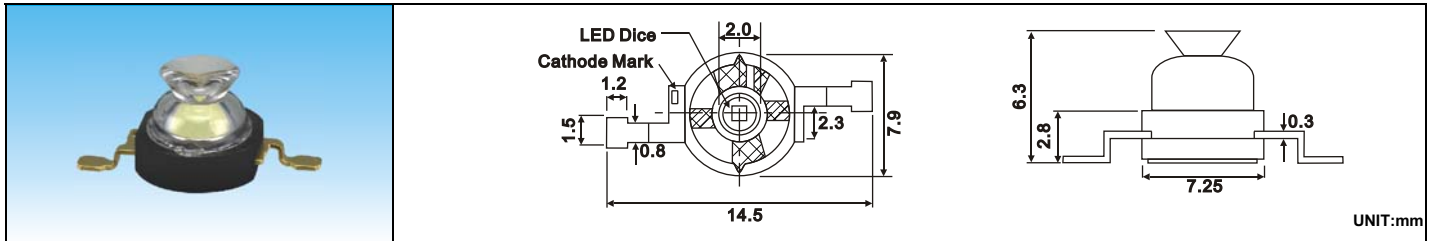
HPC8b-43K3G/PCB		Green	Water clear	520	525	3.6	100.0	110
HPC8b-44K3Y/PCB		Yellow		595	590	2.3	75.0	
HPC8b-45K3R/PCB		Red		635	625	2.3	85.0	
HPC8b-48K3B/PCB		Blue		462	465	3.6	36.0	
HPC8b-48K3BB/PCB		Blue		462	465	3.3	50.0	
HPC8b-49K3W/PCB		Pure White		6000°K		3.6	130.0	
HPC8b-49K3WB/PCB		Pure White		6000°K		3.3	155.0	
HPC8b-49K3YW/PCB		Warm White		3300°K		3.6	105.0	
HPC8b-49K3YWB/PCB		Warm White		3300°K		3.3	130.0	



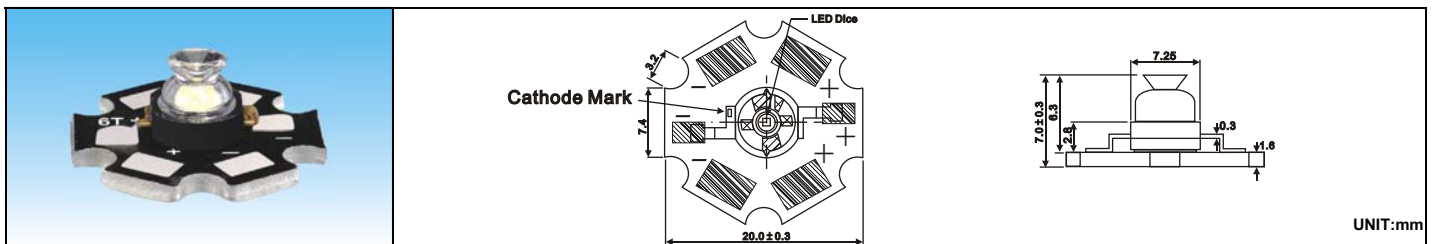
High Power 3W For Side Emitting LEDs

IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPS8b-43K3G		Green	Water clear	520	525	3.6	90.0	±80
HPS8b-44K3Y		Yellow		595	590	2.3	68.0	
HPS8b-45K3R		Red		635	625	2.3	77.0	
HPS8b-48K3B		Blue		462	465	3.6	33.0	
HPS8b-48K3BB		Blue		462	465	3.3	45.0	
HPS8b-49K3W		Pure White		6000°K		3.6	117.0	
HPS8b-49K3WB		Pure White		6000°K		3.3	140.0	
HPS8b-49K3YW		Warm White		3300°K		3.6	95.0	
HPS8b-49K3YWB		Warm White		3300°K		3.3	117.0	



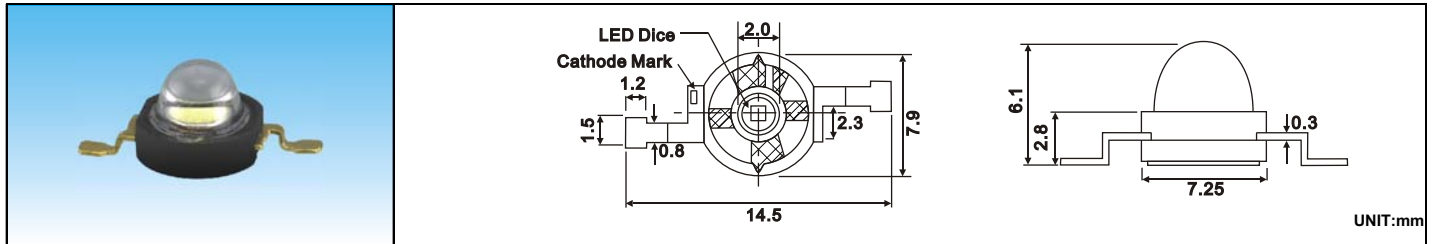
HPS8b-43K3G/PCB		Green	Water clear	520	525	3.6	90.0	±80
HPS8b-44K3Y/PCB		Yellow		595	590	2.3	68.0	
HPS8b-45K3R/PCB		Red		635	625	2.3	77.0	
HPS8b-48K3B/PCB		Blue		462	465	3.6	33.0	
HPS8b-48K3BB/PCB		Blue		462	465	3.3	45.0	
HPS8b-49K3W/PCB		Pure White		6000°K		3.6	117.0	
HPS8b-49K3WB/PCB		Pure White		6000°K		3.3	140.0	
HPS8b-49K3YW/PCB		Warm White		3300°K		3.6	95.0	
HPS8b-49K3YWB/PCB		Warm White		3300°K		3.3	117.0	

High Power 3W For Focusing LEDs

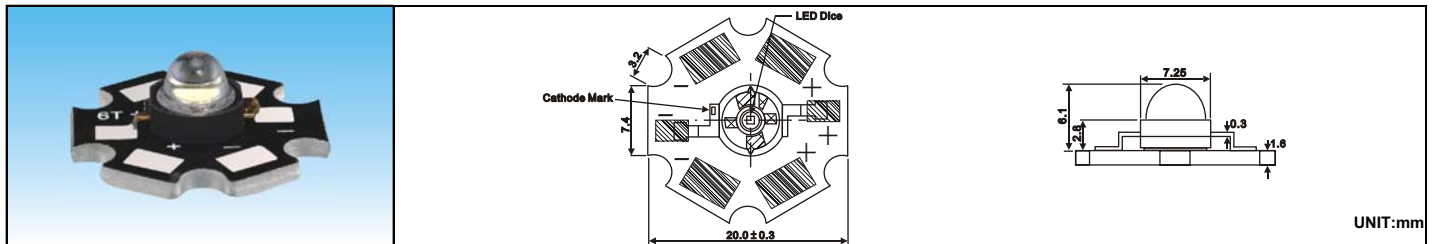


IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF Typical (V)	Brightness(lm) IV	View Angle 2θ 1/2
	Emitter	Lens	λ p	λ d			



HPD8b-43K3G		Green	Water clear	520	525	3.6	100.0	45
HPD8b-44K3Y		Yellow		595	590	2.3	75.0	
HPD8b-45K3R		Red		635	625	2.3	85.0	
HPD8b-48K3B		Blue		462	465	3.6	36.0	
HPD8b-48K3BB		Blue		462	465	3.3	50.0	
HPD8b-49K3W		Pure White		6000°K		3.6	130.0	
HPD8b-49K3WB		Pure White		6000°K		3.3	155.0	
HPD8b-49K3YW		Warm White		3300°K		3.6	105.0	
HPD8b-49K3YWB		Warm White		3300°K		3.3	130.0	



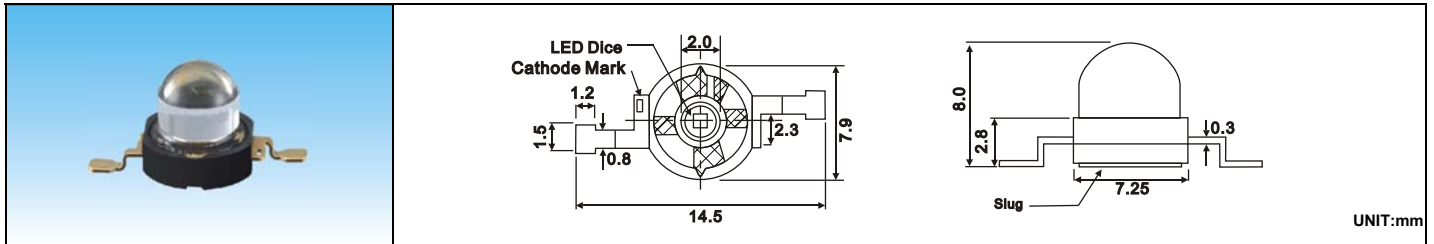
HPD8b-43K3G/PCB		Green	Water clear	520	525	3.6	100.0	45
HPD8b-44K3Y/PCB		Yellow		595	590	2.3	75.0	
HPD8b-45K3R/PCB		Red		635	625	2.3	85.0	
HPD8b-48K3B/PCB		Blue		462	465	3.6	36.0	
HPD8b-48K3BB/PCB		Blue		462	465	3.3	50.0	
HPD8b-49K3W/PCB		Pure White		6000°K		3.6	130.0	
HPD8b-49K3WB/PCB		Pure White		6000°K		3.3	155.0	
HPD8b-49K3YW/PCB		Warm White		3300°K		3.6	105.0	
HPD8b-49K3YWB/PCB		Warm White		3300°K		3.3	130.0	



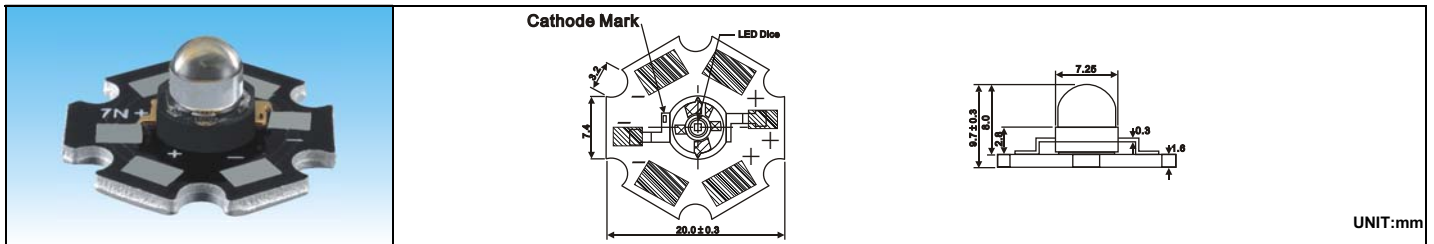
High Power 3W For Focusing LEDs

IF=700mA Ta=25°C

Device No	Color		Wavelength(nm)		VF	Brightness(lm)	View
	Emitter	Lens	λp	λd	Typical (V)	IV	Angle $2\theta 1/2$



HPE8b-43K3G		Green	Water clear	520	525	3.6	100.0	25
HPE8b-44K3Y		Yellow		595	590	2.3	75.0	
HPE8b-45K3R		Red		635	625	2.3	85.0	
HPE8b-48K3B		Blue		462	465	3.6	36.0	
HPE8b-48K3BB		Blue		462	465	3.3	50.0	
HPE8b-49K3W		Pure White		6000°K		3.6	130.0	
HPE8b-49K3WB		Pure White		6000°K		3.3	155.0	
HPE8b-49K3YW		Warm White		3300°K		3.6	105.0	
HPE8b-49K3YWB		Warm White		3300°K		3.3	130.0	



HPE8b-43K3G/PCB		Green	Water clear	520	525	3.6	100.0	25
HPE8b-44K3Y/PCB		Yellow		595	590	2.3	75.0	
HPE8b-45K3R/PCB		Red		635	625	2.3	85.0	
HPE8b-48K3B/PCB		Blue		462	465	3.6	36.0	
HPE8b-48K3BB/PCB		Blue		462	465	3.3	50.0	
HPE8b-49K3W/PCB		Pure White		6000°K		3.6	130.0	
HPE8b-49K3WB/PCB		Pure White		6000°K		3.3	155.0	
HPE8b-49K3YW/PCB		Warm White		3300°K		3.6	105.0	
HPE8b-49K3YWB/PCB		Warm White		3300°K		3.3	130.0	