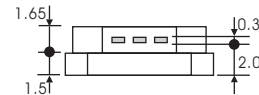
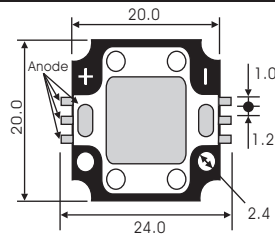
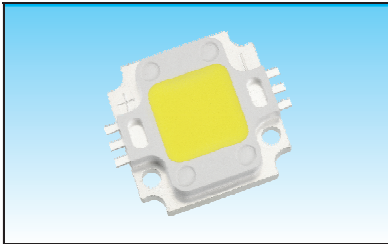




High Power 20W LEDs

IF=1400mA Ta=25°C

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



UNIT:mm

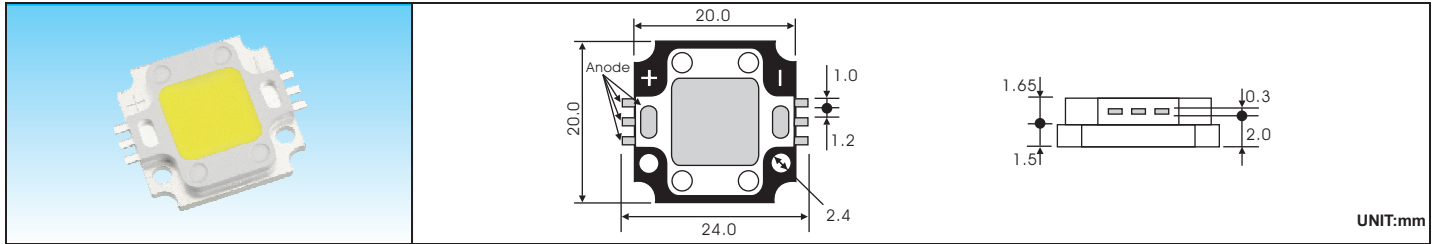
HPR20D-43K20G		Green	White diffused	520	525	14	1330	120
HPR20D-44K20Y		Yellow		595	590	9	1014	
HPR20D-45K20R		Red		635	625	9	1050	
HPR20D-48K20B		Blue		462	465	14	560	
HPR20D-48K20BG		Blue		462	465	14	600	
HPR20D-19K20BW		Cool White	Yellow diffused	8000°K		14	1400	
HPR20D-19K20BWG		Cool White		8000°K		14	1500	
HPR20D-19K20W		Pure White		6000°K		14	1400	
HPR20D-19K20WG		Pure White		6000°K		14	1500	
HPR20D-19K20NW		Nature White		4000°K		14	1360	
HPR20D-19K20NWG		Nature White		4000°K		14	1455	
HPR20D-19K20YW		Warm White		3300°K		14	1260	
HPR20D-19K20YWG		Warm White		3300°K		14	1348	

High Power 20W Low Voltage LEDs



IF=1750mA 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



HPR20D-43K20G-D		Green	White diffused	520	525	10.5	1330	120
HPR20D-44K20Y-D		Yellow		595	590	7.0	1014	
HPR20D-45K20R-D		Red		635	625	7.0	1050	
HPR20D-48K20B-D		Blue		462	465	10.5	560	
HPR20D-48K20BG-D		Blue		462	465	11.0	600	
HPR20D-19K20BW-D		Cool White	Yellow diffused	8000°K		10.5	1400	
HPR20D-19K20BWG-D		Cool White		8000°K		11.0	1500	
HPR20D-19K20W-D		Pure White		6000°K		10.5	1400	
HPR20D-19K20WG-D		Pure White		6000°K		11.0	1500	
HPR20D-19K20NW-D		Nature White		4000°K		10.5	1360	
HPR20D-19K20NWG-D		Nature White		4000°K		11.0	1455	
HPR20D-19K20YW-D		Warm White		3300°K		10.5	1260	
HPR20D-19K20YWG-D		Warm White		3300°K		11.0	1348	