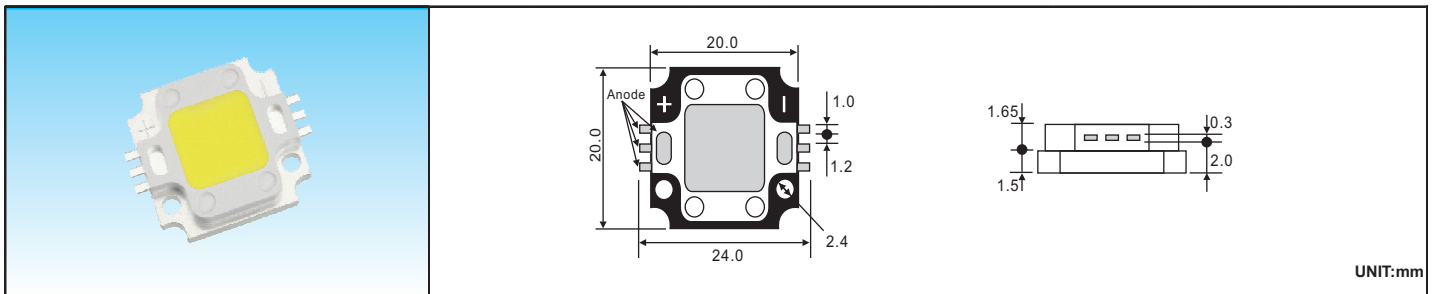




High Power 20W LEDs

IF=1400mA 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



UNIT:mm

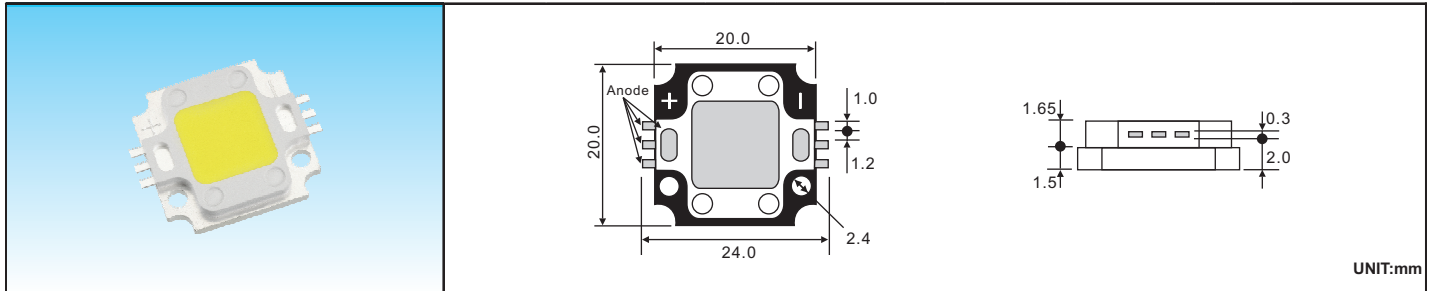
HPR20D-43K20G		Green	White diffused	520	525	14	1330	120
HPR20D-44K20Y		Yellow		595	590	9	1014	
HPR20D-45K20R		Red		635	625	9	1050	
HPR20D-48K20BI		Blue		462	465	13	640	
HPR20D-19K20BWGAA		Cool White	Yellow diffused	8000°K		14	1600	
HPR20D-19K20BWHB	1930							
HPR20D-19K20WGAA		Pure White		6000°K		14	1600	
HPR20D-19K20WHB	1930							
HPR20D-19K20NWGAA		Nature White		4000°K		14	1550	
HPR20D-19K20NWHB	1830							
HPR20D-19K20YWGAA		Warm White		3300°K		14	1440	
HPR20D-19K20YWHB	1730							

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 $2\theta_{1/2}$



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-48K20BI-D		Blue		462	465	10.0	640	
HPR20D-19K20BWGAA-D		Cool White	Yellow diffused	8000°K		10.5	1600	
HPR20D-19K20BWHB-D				1930				
HPR20D-19K20WGAA-D		Pure White		6000°K		10.5	1600	
HPR20D-19K20WHB-D				1930				
HPR20D-19K20NWGAA-D		Nature White		4000°K		10.5	1550	
HPR20D-19K20NWHB-D				1830				
HPR20D-19K20YWGAA-D		Warm White		3300°K		10.5	1440	
HPR20D-19K20YWHB-D				1730				