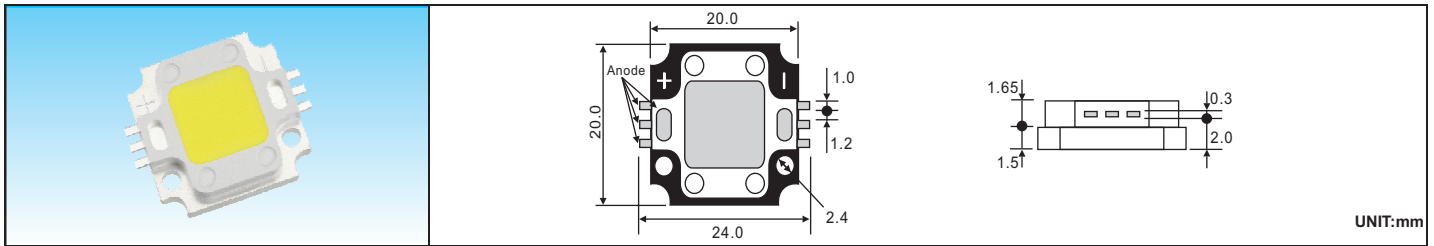




High Power 20W LEDs

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

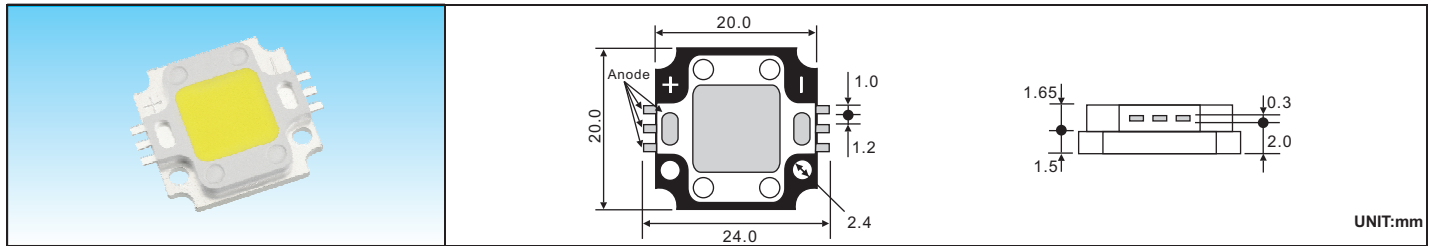
HPR20D-43K20G		Green	White diffused	520	525	14	1330	120
HPR20D-44K20Y		Yellow		595	590	9	1014	
HPR20D-45K20R		Red		635	625	9	1050	
HPR20D-48K20B		Blue		462	465	14	560	
HPR20D-48K20BG							600	
HPR20D-19K20BW		Cool White	8000°K	14	1400			
HPR20D-19K20BWG					1500			
HPR20D-19K20BWGAA					1600			
HPR20D-19K20BWGBA					1695			
HPR20D-19K20W		Pure White	6000°K	14	1400			
HPR20D-19K20WG					1500			
HPR20D-19K20WGAA					1600			
HPR20D-19K20WGBA					1695			
HPR20D-19K20NW		Nature White	4000°K	14	1360			
HPR20D-19K20NWG					1455			
HPR20D-19K20NWGAA					1550			
HPR20D-19K20NWGBA					1640			
HPR20D-19K20YW		Warm White	3300°K	14	1260			
HPR20D-19K20YWG					1348			
HPR20D-19K20YWGAA					1440			
HPR20D-19K20YWGBA					1525			

High Power 20W Low Voltage LEDs



IF=1750mA 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			



UNIT:mm

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						11.0	600	
HPR20D-19K20BW-D		Cool White	8000°K		10.5	1400		
HPR20D-19K20BWG-D					11.0	1500		
HPR20D-19K20BWGAA-D					10.5	1600		
HPR20D-19K20BWGBA-D					1695			
HPR20D-19K20W-D		Pure White	6000°K		10.5	1400		
HPR20D-19K20WG-D					11.0	1500		
HPR20D-19K20WGAA-D					10.5	1600		
HPR20D-19K20WGBA-D					1695			
HPR20D-19K20NW-D		Nature White	4000°K		10.5	1360		
HPR20D-19K20NWG-D					11.0	1455		
HPR20D-19K20NWGAA-D					10.5	1550		
HPR20D-19K20NWGBA-D					1640			
HPR20D-19K20YW-D		Warm White	3300°K		10.5	1260		
HPR20D-19K20YWG-D					11.0	1348		
HPR20D-19K20YWGAA-D					10.5	1440		
HPR20D-19K20YWGBA-D					1525			