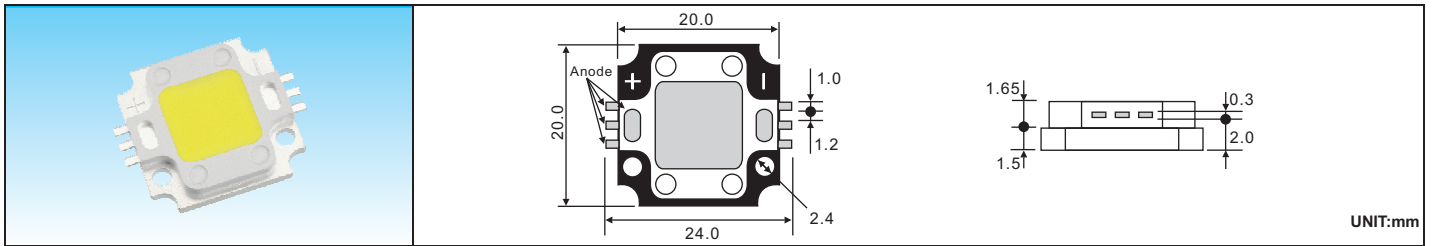




High Power 10W LEDs

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



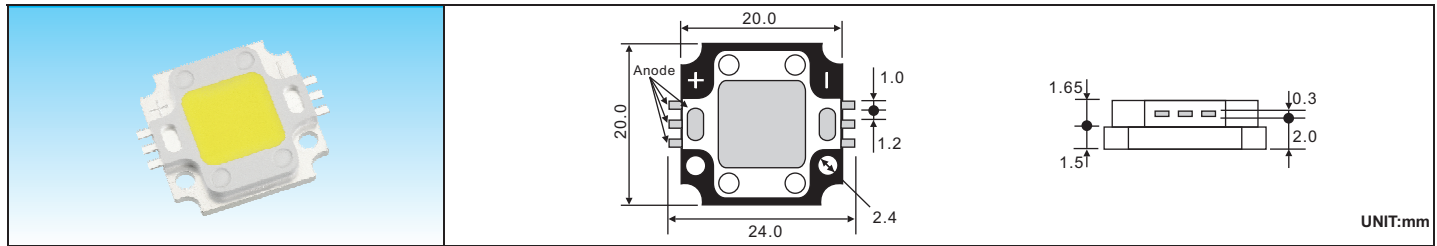
HPR20D-43K10G		Green	White diffused	520	525	14	665	120
HPR20D-44K10Y		Yellow		595	590	9	507	
HPR20D-45K10R		Red		635	625	9	525	
HPR20D-48K10B		Blue		462	465	14	280	
HPR20D-48K10BG							327	
HPR20D-19K10BW		Cool White	8000°K	14	14	700		
HPR20D-19K10BWG						820		
HPR20D-19K10BWGA						870		
HPR20D-19K10BWGB						920		
HPR20D-19K10W		Pure White	6000°K	14	14	700		
HPR20D-19K10WG						820		
HPR20D-19K10WGA						870		
HPR20D-19K10WGB						920		
HPR20D-19K10NW		Nature White	4000°K	14	14	680		
HPR20D-19K10NWG						796		
HPR20D-19K10NWGA						840		
HPR20D-19K10NWGB						880		
HPR20D-19K10YW		Warm White	3300°K	14	14	630		
HPR20D-19K10YWG						738		
HPR20D-19K10YWGA						780		
HPR20D-19K10YWGB						820		

High Power 10W Low Voltage LEDs



IF=1050mA 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-43K10G-D		Green	White diffused	520	525	10.5	727	120
HPR20D-44K10Y-D		Yellow		595	590	7.0	550	
HPR20D-45K10R-D		Red		635	625	7.0	570	
HPR20D-48K10B-D		Blue		462	465	10.5	306	
HPR20D-48K10BG-D						11.6	327	
HPR20D-19K10BW-D		Cool White	8000°K		10.5	765		
HPR20D-19K10BWG-D					11.6	820		
HPR20D-19K10BWGAA-D					10.5	870		
HPR20D-19K10BWGBA-D					920			
HPR20D-19K10W-D		Pure White	6000°K		10.5	765		
HPR20D-19K10WG-D					11.6	820		
HPR20D-19K10WGAA-D					10.5	870		
HPR20D-19K10WGBA-D					920			
HPR20D-19K10NW-D		Nature White	4000°K		10.5	743		
HPR20D-19K10NWG-D					11.6	796		
HPR20D-19K10NWGAA-D					10.5	840		
HPR20D-19K10NWGBA-D					880			
HPR20D-19K10YW-D		Warm White	3300°K		10.5	688		
HPR20D-19K10YWG-D					11.6	738		
HPR20D-19K10YWGAA-D					10.5	780		
HPR20D-19K10YWGBA-D					820			