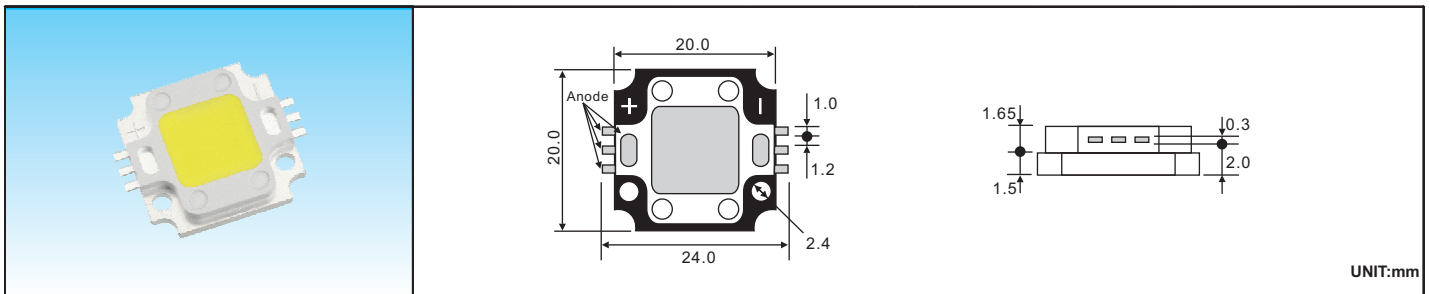




High Power 10W LEDs

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



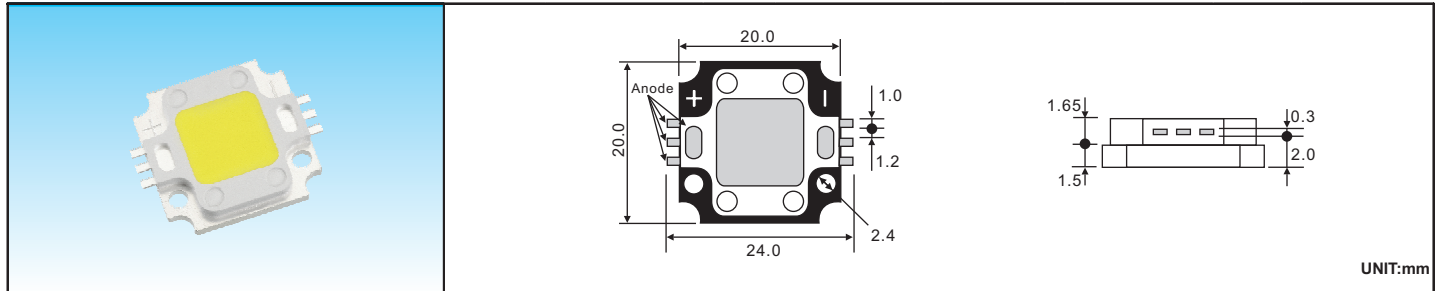
HPR20D-43K10G		Green	White diffused	520	525	14	665	120
HPR20D-44K10Y		Yellow		595	590	9	507	
HPR20D-45K10R		Red		635	625	9	525	
HPR20D-48K10BI		Blue		462	465	13	345	
HPR20D-19K10BWGA		Cool White	Yellow diffused	8000°K		14	870	
HPR20D-19K10BWHB				13	1060			
HPR20D-19K10WGA		Pure White		6000°K		14	870	
HPR20D-19K10WHB				13	1060			
HPR20D-19K10NWGA		Nature White	4000°K		14	840		
HPR20D-19K10NWHB			13	1005				
HPR20D-19K10YWGA		Warm White	3300°K		14	780		
HPR20D-19K10YWHB			13	950				

High Power 10W Low Voltage LEDs



IF=1050mA 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-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-48K10BI-D		Blue		462	465	10.0	345	
HPR20D-19K10BWGAA-D		Cool White	Yellow diffused	8000°K		10.5	870	
HPR20D-19K10BWHB-D	10.0					1060		
HPR20D-19K10WGAA-D	Pure White	6000°K		10.5	870			
HPR20D-19K10WHB-D				10.0	1060			
HPR20D-19K10NWGAA-D	Nature White	4000°K		10.5	840			
HPR20D-19K10NWHB-D				10.0	1005			
HPR20D-19K10YWGAA-D	Warm White	3300°K		10.5	780			
HPR20D-19K10YWHB-D				10.0	950			