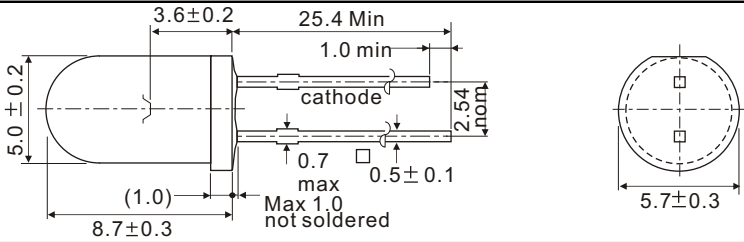


Extra Bright LEDs

IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θ1/2
	Emitter	Lens	λp	λd		IV1	IV2	

φ 5									16
	HB5-433DG-B	yellow green	water clear	570	567	2.15	200	600	
	HB5-433CG-B	yellow green	water clear	570	567	2.15	250	900	15
	HB5-433BG-B	yellow green	water clear	575	572	2.20	800	2000	
	HB5-433BA-B	cyan	water clear	502	505	3.50	5000	7000	
	HB5-433AGCA-B	pure green	water clear	523	525	3.50	5200	7000	18
	HB5-433AGD-B	pure green	water clear	523	525	3.50	6000	8500	
	HB5-434AY-B	yellow	water clear	592	590	2.00	1200	2800	
	HB5-434FY-B	yellow	water clear	592	590	2.00	2000	5000	15
	HB5-434VY-B	yellow	water clear	592	590	2.00	2500	6000	
	HB5-434SY-B	super yellow	water clear	592	590	2.45	4000	6500	
	HB5-435AO-B	orange	water clear	620	615	2.00	1200	2800	
	HB5-435FO-B	orange	water clear	620	615	2.00	2200	5000	
	HB5-435AOR-B	fresh red	water clear	635	626	2.00	2000	4000	
	HB5-435SOR-B	fresh red	water clear	638	629	2.25	2500	6000	
	HB5-436DR-B	deep red	water clear	660	643	1.80	250	450	
	HB5-436CR-B	deep red	water clear	660	643	1.80	400	900	
	HB5-436BR-B	soft red	water clear	655	638	2.10	320	950	
	HB5-436AR-B	deep red	water clear	660	645	1.86	800	2200	
	HB5-436ARA-B	deep red	water clear	660	645	1.86	1080	3300	
	HB5-437FA-B	amber	water clear	607	605	2.00	2400	5000	
	HB5-438ABCA-B	blue	water clear	468	470	3.50	2000	2500	
	HB5-438ABD-B	blue	water clear	468	470	3.50	2400	2700	

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.