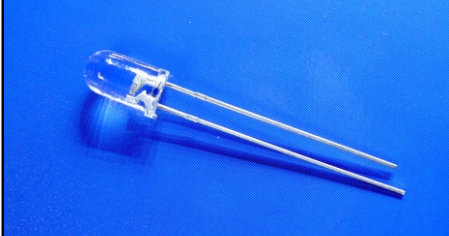
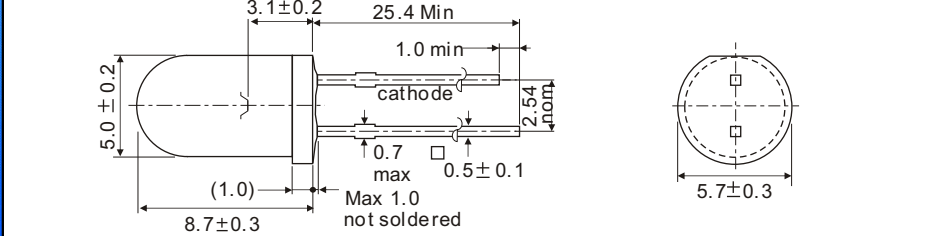


Extra Bright LEDs

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	

								
HB5-433DG	yellow green	water clear	570	567	2.15	320	800	14
HB5-433CG	yellow green	water clear	570	567	2.15	400	1200	14
HB5-433BG	yellow green	water clear	575	572	2.20	1500	2500	12
HB5-433BA	cyan	water clear	502	505	3.50	6500	8000	15
HB5-433AGCA	green	water clear	523	525	3.50	7000	9500	15
HB5-433AGD	green	water clear	523	525	3.50	8000	10500	15
HB5-434AY	yellow	water clear	592	590	2.00	2000	3000	12
HB5-434FY	yellow	water clear	592	590	2.00	2800	5500	12
HB5-434VY	yellow	water clear	592	590	2.00	3000	6500	12
HB5-434SY	yellow	water clear	592	590	2.25	3500	7000	12
HB5-435AO	orange	water clear	620	615	2.00	2400	3000	12
HB5-435FO	orange	water clear	620	615	2.00	3200	5500	12
HB5-435AOR	fresh red	water clear	635	626	2.00	3000	4500	12
HB5-435SOR	fresh red	water clear	638	629	2.25	4000	7000	12
HB5-436DR	deep red	water clear	660	643	1.80	350	800	12
HB5-436CR	deep red	water clear	660	643	1.80	700	1200	12
HB5-436BR	soft red	water clear	655	638	2.10	450	1300	12
HB5-436AR	deep red	water clear	660	645	1.86	1250	2400	12
HB5-436ARA	deep red	water clear	660	645	1.86	1400	3500	12
HB5-437FA	amber	water clear	607	605	2.00	3000	5500	12
HB5-438ABCA	blue	water clear	468	470	3.50	2600	3000	12
HB5-438ABD	blue	water clear	468	470	3.50	3000	3500	12

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.