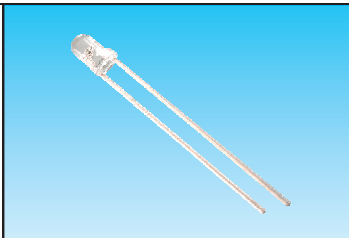
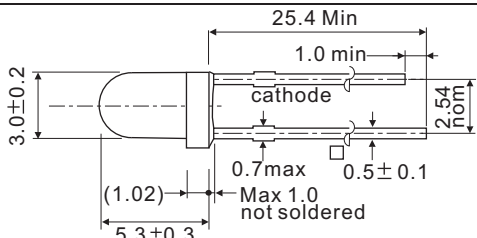
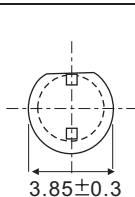




Extra Bright LEDs

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	

										UNIT: mm
φ 3	HB3b-443DG	yellow green	Water clear	570	567	2.15	180	400	18	
	HB3b-443CG	yellow green		570	567	2.15	220	700		
	HB3b-443BG	super yellow green		575	572	2.20	850	1600	14	
	HB3b-443BA	cyan		502	505	3.50	3500	4000		
	HB3b-443AGCA	pure green		523	525	3.50	4000	4500		
	HB3b-443AGD	pure green		523	525	3.50	4500	5000		
	HB3b-444AY	yellow		592	590	2.00	1500	1800	10	
	HB3b-444FY	super yellow		592	590	2.00	2000	2500		
	HB3b-444SY	super yellow		592	590	2.25	1600	3200	14	
	HB3b-444UY	super yellow		592	590	2.10	1900	3800	10	
	HB3b-444WY	super yellow		592	590	2.10	2100	4200		
	HB3b-444HY	super yellow		592	590	2.10	3000	6000		
	HB3b-445AO	super orange		620	615	2.00	1800	1800		
	HB3b-445FO	super orange		620	615	2.00	2000	2500	18	
	HB3b-445AOR	super fresh red		635	625	2.00	1800	2000		
	HB3b-445SOR	super fresh red		638	629	2.25	2200	3200		
	HB3b-446DR	deep red		660	643	1.80	230	500	14	
	HB3b-446CR	deep red		660	643	1.80	300	900		
	HB3b-446AR	super deep red		660	645	1.86	350	1800	19	
	HB3b-446ARA	super deep red		660	645	1.86	450	2000		
	HB3b-446UOR	super fresh red		635	625	2.10	2500	4500	10	
	HB3b-446WOR	super fresh red		635	625	2.10	2500	5000		
	HB3b-446HOR	super fresh red		635	625	2.10	4000	8000		
	HB3b-447FA	super amber		607	605	2.00	2000	2500		15
	HB3b-447HA	super amber		607	605	2.00	6000	12000		
	HB3b-448ABCA	blue		468	470	3.50	1300	2700		
	HB3b-448ABD	blue		468	470	3.50	1500	3000		
	HB3b-448ABD-B	blue		468	470	3.50	800	1500	30	

IV1:Labsphere LED-1100 IV2:EXELTRON 2001.