


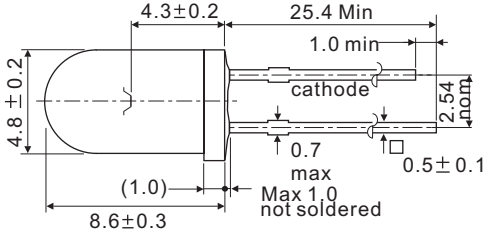
Extra Bright LEDs



Lamps For Traffic Signal Use.

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	

										
HB5d-433BG-D		super yellow green	Water clear	575	572	2.20	600	1500	30	
HB5d-433EBA-D		cyan		502	505	3.50	2800	5000	33	
HB5d-433EAGCA-D		pure green		523	525	3.50	3000	5400		
HB5d-433EAGD-D		pure green		523	525	3.50	3500	6000		
HB5d-434FY-D		super yellow		592	590	2.00	1200	3000	30	
*HB5d-434SY-D		super yellow		592	590	2.25	2000	4000		
HB5d-434UY-D		super yellow		592	590	2.10	2100	4300		
HB5d-434WY-D		super yellow		592	590	2.10	2300	4500		
HB5d-434HY-D		super yellow		592	590	2.10	2400	4800		
HB5d-435FO-D		super orange		620	615	2.00	1400	3000		
HB5d-435AOR-D		super fresh red		635	625	2.00	1100	2800		30
*HB5d-435SOR-D		super fresh red		638	629	2.25	3000	4000		
HB5d-436UOR-D		super fresh red		635	625	2.10	2400	4800		
HB5d-436WOR-D		super fresh red		635	625	2.10	2600	5200		
HB5d-436HOR-D		super fresh red		635	625	2.10	2800	5500	33	
HB5d-437FA-D		super amber		607	605	2.00	1600	3000		
HB5d-437HA-D		super amber		607	605	2.00	4200	8500		
HB5d-438ABCA-D		blue		468	470	3.50	1600	1800		
HB5d-438ABD-D		blue		468	470	3.50	2000	2200		

*:TS type LED lamps. IV1:Labsphere LED-1100 IV2:EXELTRON 2001.