

Normal Indicator LEDs

8,10mm Round & Cup type LEDs

IF=20mA Ta=25°C

Device No	Color		Wavelength (nm)		VF Typical (V)	Brightness (mcd)		View Angle 2θW	Drawing Figure	
	Emitter	Lens	λp	λd		Minimum	Typical			
∅ 8	HB8a-132	hi- red	colored diffused	700	658	2.20	1.0	2.0	45	4-57
	HB8a-133	yellow green	colored diffused	570	567	2.15	12.0	20.0		
	HB8a-134	yellow	colored diffused	589	585	2.10	12.0	20.0		
	HB8a-135 R	orange	colored diffused	625	618	2.05	10.0	16.0		
∅ 10	HB10-132	hi- red	colored diffused	700	658	2.20	1.0	2.0	50	4-58
	HB10-133	yellow green	colored diffused	570	567	2.15	12.0	20.0		
	HB10-134	yellow	colored diffused	590	585	2.10	12.0	20.0		
	HB10-135R	orange	colored diffused	625	618	2.05	10.0	16.0		
∅ 3 back light	HB3C-242	hi-red	colored transparent	700	658	2.20	0.5	1.0	180	4-59
	HB3C-245R	hi-eff red	colored transparent	625	618	2.05	8.0	14.0		
	HB3C-243	yellow green	colored transparent	570	567	2.15	10.0	15.0		
	HB3C-244	yellow	colored transparent	590	585	2.10	7.0	13.0		
	HB3C-245	orange	colored transparent	625	618	2.05	8.0	14.0		
	HB3C-445	orange	water clear	625	618	2.05	8.0	14.0		
∅ 4.8 back light	HB5C-232	hi-red	colored transparent	700	658	2.20	0.5	1.0	135	4-60
	HB5C-235R	hi-eff red	colored transparent	625	618	2.05	5.0	9.0		
	HB5C-233	yellow green	colored transparent	570	567	2.15	5.0	11.0		
	HB5C-443	yellow green	water clear	570	567	2.15	5.0	11.0		
	HB5C-234	yellow	colored transparent	590	585	2.10	4.0	8.0		
	HB5C-235	orange	colored transparent	625	618	2.05	5.0	9.0		

Dimension:

Unit : mm.

