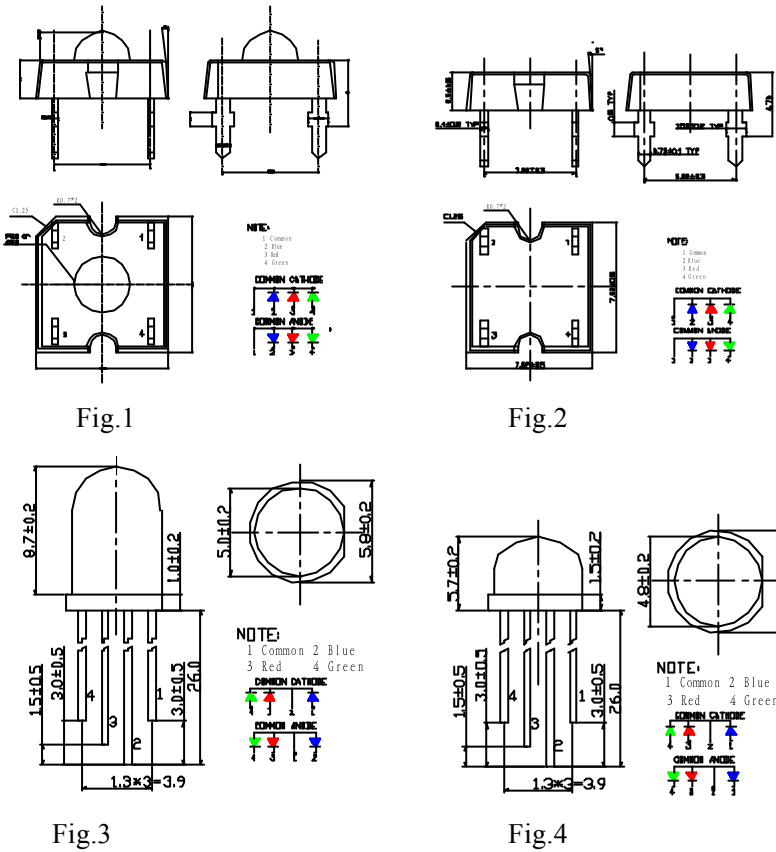
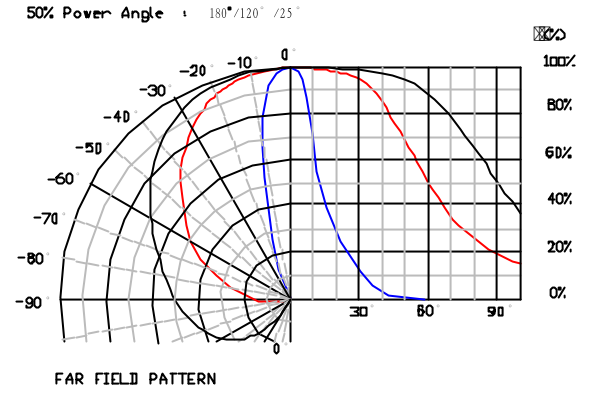


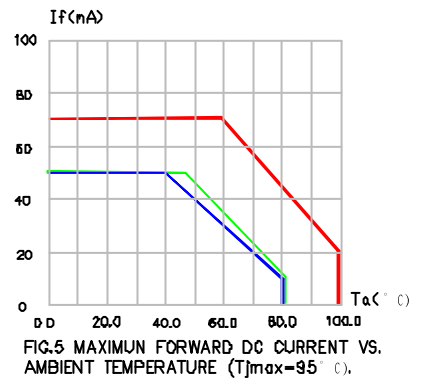
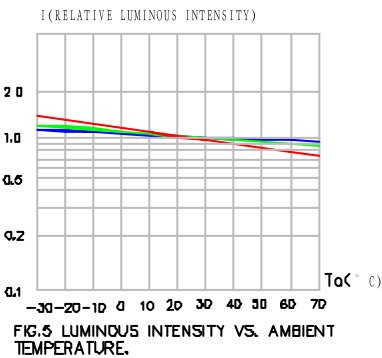
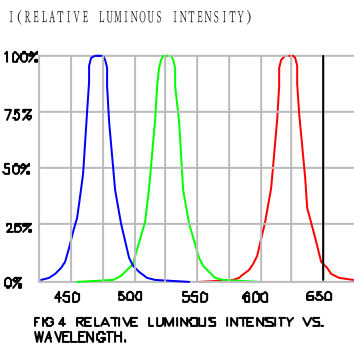
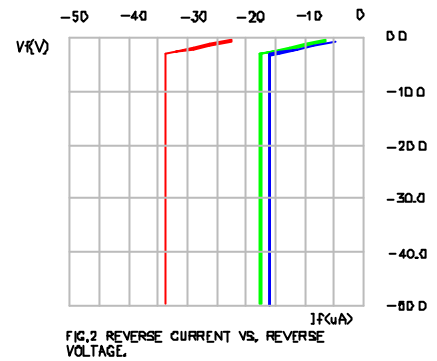
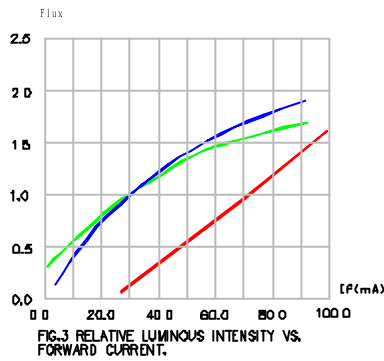
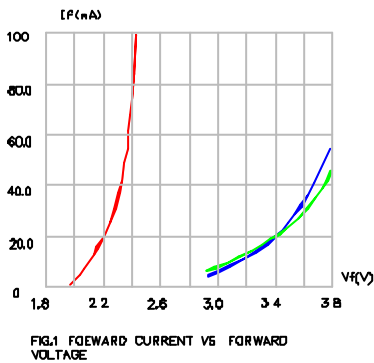
Outline Dimension(mm)

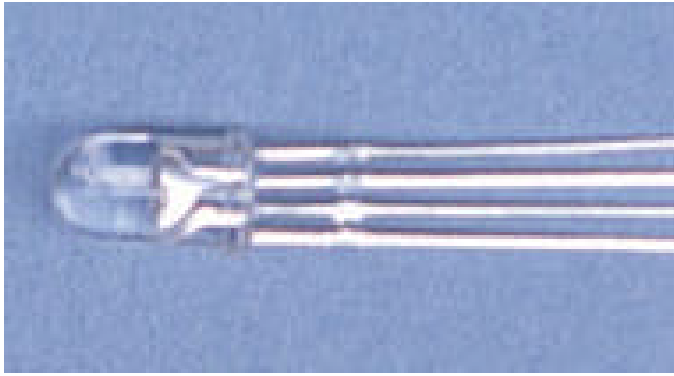


Far Field Pattern



Optical-Electrical Characteristics




Features

- . Long life
- . Reliable and rugged
- . Low power dissipation
- . I.C. compatible.

Application

- . Variable Color Indicators
- . Full Color Video Screen
- . Variable Message Signs

Information Sign

Part NO.	Size	Viewing Angle (deg)	Lens Color	Chip			? V(lm)(IF=30mA) or IV(mcd) (IF=20mA)		Vf(V) (IF=20mA)		Fig.
				Material	Emitting Color	$\lambda_D(\text{nm})$ (IF=20mA)	Min	Typ	Typ	Max	
WCN-331FC1-120N	3mm	120	Water Clear	GaAlAs	Red	630	0.3	0.5	2.2	2.4	Fig.1
				InGaN	Pure Green	525	1.3	1.5	3.3	3.6	
				InGaN	Blue	470	0.3	0.5	3.3	3.6	
WCN-331FC2-180N	3mm	180	White Diffused	GaAlAs	Red	630	0.3	0.5	2.2	2.4	Fig.1
				InGaN	Pure Green	525	1.3	1.5	3.3	3.6	
				InGaN	Blue	470	0.3	0.5	3.3	3.6	
WCN-531FC1-120N	5mm	120	Water Clear	GaAlAs	Red	630	0.8	1.0	2.2	2.4	Fig.1
				InGaN	Pure Green	525	2.0	3.5	3.3	3.6	
				InGaN	Blue	470	1.0	1.5	3.3	3.6	
WCN-531FC2-180N	5mm	180	White Diffused	GaAlAs	Red	630	0.5	0.8	2.2	2.4	Fig.1
				InGaN	Pure Green	525	1.0	1.5	3.3	3.6	
				InGaN	Blue	470	0.6	1.0	3.3	3.6	
WCN-532FC1-180N	Flat	180	Water Clear	GaAlAs	Red	630	0.4	0.6	2.2	2.4	Fig.2
				InGaN	Pure Green	525	0.8	1.0	3.3	3.6	
				InGaN	Blue	470	0.5	0.7	3.3	3.6	
WCN-532FC2-180N	Flat	180	White Diffused	GaAlAs	Red	630	0.3	0.5	2.2	2.4	Fig.2
				InGaN	Pure Green	525	0.6	0.8	3.3	3.6	
				InGaN	Blue	470	0.4	0.6	3.3	3.6	
WCN-533FC1-50N	5mm	25	Water Clear	GaAlAs	Red	630	400	800	2.2	2.4	Fig.3
				InGaN	Pure Green	525	2000	3000	3.3	3.6	
				InGaN	Blue	470	800	1000	3.3	3.6	
WCN-533FC2-180N	5mm	180	White Diffused	GaAlAs?	Red	630	80	120	2.2	2.4	Fig.3
				InGaN	Pure Green	525	200	300	3.3	3.6	
				InGaN	Blue	470	100	200	3.3	3.6	
WCN-534FC1-120N	5mm	120	Water Clear	GaAlAs	Red	630	120	200	2.2	2.4	Fig.4
				InGaN	Pure Green	525	800	1200	3.3	3.6	
				InGaN	Blue	470	200	400	3.3	3.6	
WCN-534FC2-180N	5mm	180	White Diffused	GaAlAs	Red	630	80	120	2.2	2.4	Fig.4
				InGaN	Pure Green	525	200	300	3.3	3.6	
				InGaN	Blue	470	100	200	3.3	3.6	