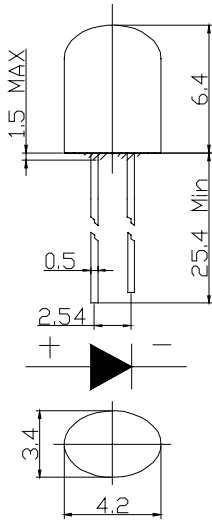
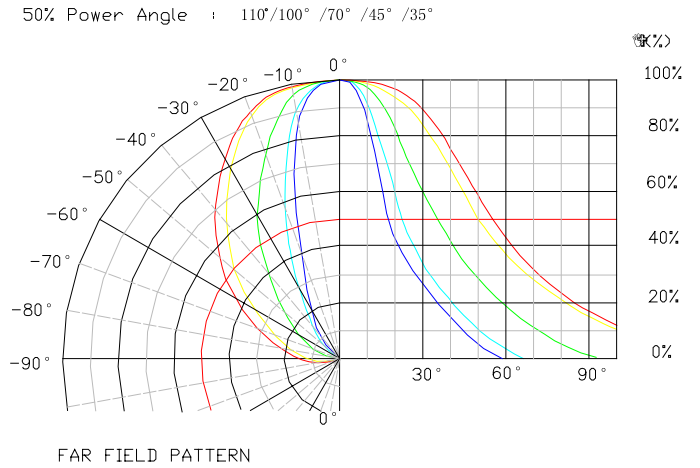


Outline Dimension(mm)



NOTES: 1. ALL DIMENSIONS ARE IN mm , TOLERANCE IS +/-0.25, UNLESS OTHERWISE NOTED.
 2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.5mm DOWN THE LEADS.
 3. BURR AROUND BOTTOM OF EPOXY MAY BE 0.5mm MAX.

Far Field Pattern



Optical-Electrical Characteristics

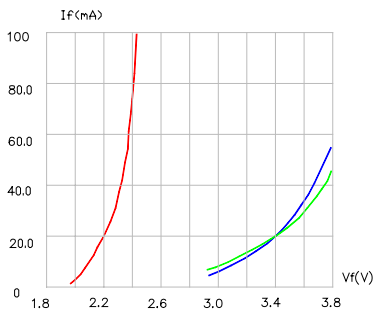


FIG.1 FOWARD CURRENT VS. FORWARD VOLTAGE

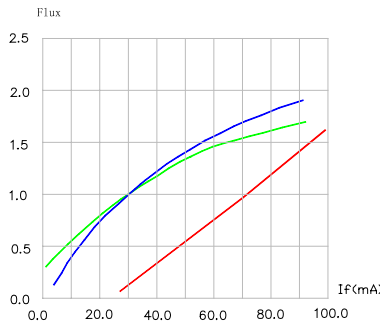


FIG.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT.

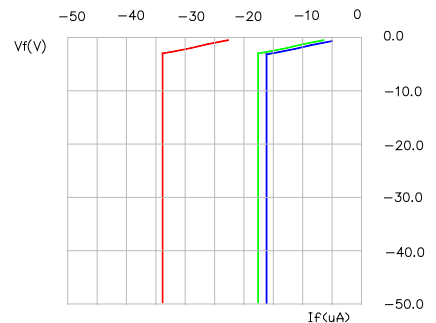


FIG.2 REVERSE CURRENT VS. REVERSE VOLTAGE.

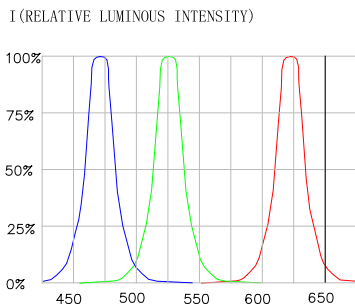


FIG.4 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH.

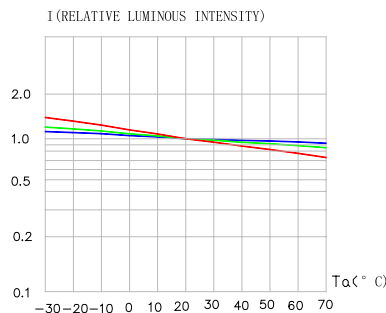


FIG.5 LUMINOUS INTENSITY VS. AMBIENT TEMPERATURE.

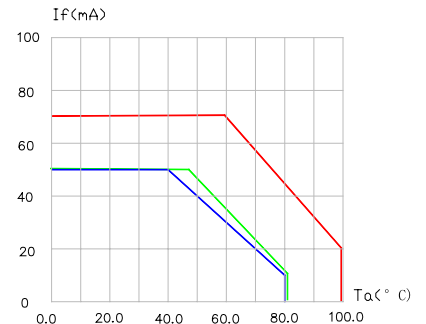


FIG.5 MAXIMUM FORWARD DC CURRENT VS. AMBIENT TEMPERATURE (Tjmax=95° C).


Features

- . Red Green Blue matched for color consistency across the whole horizontal field.
- . Reliability engineered to stand outdoor environment.

Application

- . Multi-color Sign Board
- . Outdoor Video Sign
- . Indoor Video Sign
- . Information Sign

Part NO.	Viewing Angle (deg)	Size	Lens Color	Chip			IV(mcd) (IF=20mA)		Vf(V) (IF=20mA)	
				Material	Emitting Color	λ_D (nm)(IF=20mA)	Min	Typ	Typ	Max
WCN-310WW1-120N	120	3.6*2.7	Water Clear	AllInGaN	White	---	900	1500	3.3	3.6
WCN-511HR4-110	110	3.9*3.0	Red Diffused	AllInGaP	Red	623	300	450	2.2	2.4
WCN-511PG4-110	110	3.9*3.0	Green Diffused	InGaN	Pure Green	525	800	1400	3.4	3.8
WCN-511CB4-110	110	3.9*3.0	Blue Diffused	InGaN	Blue	470	200	350	3.4	3.8
WCN-512HR4-110	110	5.2*3.8	Red Diffused	AllInGaP	Red	623	300	450	2.2	2.4
WCN-512PG4-110	110	5.2*3.8	Green Diffused	InGaN	Pure Green	525	800	1400	3.4	3.8
WCN-512CB4-110	110	5.2*3.8	Blue Diffused	InGaN	Blue	470	200	350	3.4	3.8
WCN-511HR4-100	100	5.2*4.6	Red Diffused	AllInGaP	Red	623	300	450	2.2	2.4
WCN-511PG4-100	100	5.2*4.6	Green Diffused	InGaN	Pure Green	525	800	1600	3.4	3.8
WCN-511CB4-100	100	5.2*4.6	Blue Diffused	InGaN	Blue	470	200	350	3.4	3.8
WCN-512HR4-100	100	5.8*4.6	Red Diffused	AllInGaP	Red	623	300	500	2.2	2.4
WCN-512PG4-100	100	5.8*4.6	Green Diffused	InGaN	Pure Green	525	800	1600	3.4	3.8
WCN-512CB3-100	100	5.8*4.6	Blue Diffused	InGaN	Blue	470	200	350	3.4	3.8
WCN-511HR3-70N	70	4.2*3.25	Red Diffused	AllInGaP	Red	623	1000	1200	2.2	2.4
WCN-511YG3-70N	70	4.2*3.25	Green Diffused	InGaN	Yellow Green	570	500	800	3.4	3.8
WCN-511HY3-70N	70	4.2*3.25	Blue Diffused	InGaN	Yellow	590	800	1000	3.4	3.8