

1. White LED Lamp



Updated: Nov 2006

Part No.	Chip CIE				Lens Color	Size	Electro-optical Data (At 20mA)				Viewing Angle (2θ 1/2)
	Material	Emitted color	X	Y			Vf(V)		Iv(mcd)		
							Typ.	Max.	Min.	Max.	
YE-W3N23N	InGaN	White	0.31	0.32	Water Clear	3mm	3.2	3.5	8000	15000	23°
YZ-W3D30N	InGaN	White	0.31	0.32	Water Clear	3mm	3.2	3.5	4000	7200	30°
YZ-W3D60N	InGaN	White	0.31	0.32	Water Clear	3mm	3.2	3.5	3200	6000	60°
YZ-W3N23N	InGaN	White	0.31	0.32	Water Clear	3mm	3.2	3.5	5000	9000	23°
YZ-W3N30N	InGaN	White	0.31	0.32	Water Clear	3mm	3.2	3.5	4000	7000	30°
YE-W5S20N	InGaN	White	0.31	0.32	Water Clear	5mm	3.2	3.5	15500	31000	20°
YZ-W5N30N	InGaN	White	0.31	0.32	Water Clear	5mm	3.2	3.5	4200	7500	30°
YZ-W5N40N	InGaN	White	0.31	0.32	Water Clear	5mm	3.2	3.5	2300	5300	40°
YZ-W5S20N	InGaN	White	0.31	0.32	Water Clear	5mm	3.2	3.5	11000	15500	20°
YZ-WS3D30N	InGaN	Sunny White	0.46	0.44	Water Clear	3mm	3.2	3.5	2400	4700	30°
YZ-WS3D60N	InGaN	Sunny White	0.46	0.44	Water Clear	3mm	3.2	3.5	1200	2400	60°
YZ-WS3N23N	InGaN	Sunny White	0.46	0.44	Water Clear	3mm	3.2	3.5	4000	7200	23°
YZ-WS5N30N	InGaN	Sunny White	0.46	0.44	Water Clear	5mm	3.2	3.5	3800	6800	30°
YZ-WS5N40N	InGaN	Sunny White	0.46	0.44	Water Clear	5mm	3.2	3.5	1900	4200	40°
YZ-WS5S20N	InGaN	Sunny White	0.46	0.44	Water Clear	5mm	3.2	3.5	6200	12400	20°
YZ-WG3D60N	InGaN	Golden White	0.49	0.45	Golden Tinted	3mm	3.2	3.5	1200	1800	60°
YZ-WG3N30N	InGaN	Golden White	0.49	0.45	Golden Tinted	3mm	3.2	3.5	2150	4500	30°
YZ-WG5N30N	InGaN	Golden White	0.49	0.45	Golden Tinted	5mm	3.2	3.5	3500	6400	30°
YZ-WG5S20N	InGaN	Golden White	0.49	0.45	Golden Tinted	5mm	3.2	3.5	6800	8500	20°

2. LED Lamp



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Part No.	Chip				Lens Color	Size	Electro-optical Data (At 20mA)				Viewing Angle (2θ 1/2)
	Material	Emitted color	λP (nm)	λD (nm)			Vf(V)		Iv(mcd)		
							Typ.	Max.	Min.	Max.	
YE-B3D30N	InGaN	Blue	465	460~480	Water Clear	3mm	3.2	3.5	1500	3200	30°
YE-B3D60N	InGaN	Blue	465	460~480	Water Clear	3mm	3.2	3.5	880	1500	60°
YE-B3N23N	InGaN	Blue	465	460~480	Water Clear	3mm	3.2	3.5	3200	5500	23°
YE-B5N15N	InGaN	Blue	465	460~480	Water Clear	5mm	3.2	3.5	5500	9300	15°
YE-B5N30N	InGaN	Blue	465	460~480	Water Clear	5mm	3.2	3.5	4200	7200	30°
YE-G3D30N	InGaN	Green	525	515~535	Water Clear	3mm	3.2	3.5	5500	15700	30°
YE-G3D60N	InGaN	Green	525	515~535	Water Clear	3mm	3.2	3.5	1150	3200	60°
YE-G3N23N	InGaN	Green	525	515~535	Water Clear	3mm	3.2	3.5	7200	21000	23°
YE-G5N15N	InGaN	Green	525	515~535	Water Clear	5mm	3.2	3.5	15700	27300	15°
YE-G5N30N	InGaN	Green	525	515~535	Water Clear	5mm	3.2	3.5	12000	21000	30°
YZ-Y3D30N	AllnGaP	Yellow	590	585~595	Water Clear	3mm	2.3	2.5	1900	4200	30°
YZ-Y3D60N	AllnGaP	Yellow	590	585~595	Water Clear	3mm	2.3	2.5	1150	2500	60°
YZ-Y3N23N	AllnGaP	Yellow	590	585~595	Water Clear	3mm	2.3	2.5	4200	7200	23°
YZ-Y5N15N	AllnGaP	Yellow	590	585~595	Water Clear	5mm	2.3	2.5	12000	27300	15°
YZ-Y5N30N	AllnGaP	Yellow	590	585~595	Water Clear	5mm	2.3	2.5	4200	9300	30°
YZ-R3D30N	AllnGaP	Red	625	620~630	Water Clear	3mm	2.3	2.5	1900	4200	30°
YZ-R3D60N	AllnGaP	Red	625	620~630	Water Clear	3mm	2.3	2.5	1150	2500	60°
YZ-R3N23N	AllnGaP	Red	625	620~630	Water Clear	3mm	2.3	2.5	4200	5500	23°
YZ-R5N15N	AllnGaP	Red	625	620~630	Water Clear	5mm	2.3	2.5	12000	27300	15°
YZ-R5N30N	AllnGaP	Red	625	620~630	Water Clear	5mm	2.3	2.5	4200	7200	30°
YO-RGB5N30N-A	AllnGaP	U/B Red	625	620~630	Water Clear	5mm	2.2	2.5	1500 (typ.)		25.6°
	InGaN	U/B Green	525	520~530			3.2	3.5	4000 (typ.)		21.6°
	InGaN	U/B Blue	470	465~475			3.2	3.5	1300 (typ.)		21.6°
YO-RGB5N30N-C	AllnGaP	U/B Red	625	620~630	Water Clear	5mm	2.2	2.5	1500 (typ.)		25.6°
	InGaN	U/B Green	525	520~530			3.2	3.5	4000 (typ.)		21.6°
	InGaN	U/B Blue	470	465~475			3.2	3.5	1300 (typ.)		21.6°
YT-FS5N30N	AllnGaP	Red	625	620~630	Water Clear	5mm	3.2	2.5	1000 (typ.)		26°
	InGaN	Green	525	520~530			3.2	3.5	1800 (typ.)		21.6°
	InGaN	Blue	470	465~475			3.2	3.5	550 (typ.)		21.6°
YT-SS5N30N	AllnGaP	Red	625	620~630	Water Clear	5mm	3.2	2.5	1000 (typ.)		29°
	InGaN	Green	525	520~530			3.2	3.5	1800 (typ.)		29°
	InGaN	Blue	470	465~475			3.2	3.5	1200 (typ.)		29°

3. UV and Infrared Lamps



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Infrared Part NO	Chip				Lens Color	Size	Electro-optical Data				Viewing Angle (2θ 1/2)
	Material	Emitted color	λP (nm)	λD (nm)			(At 20mA)				
							Vf(V)		Power (Mw/sr)Typ		
							Typ.	Max.	Typ.		
YA-314IR-850-30B	GaAIAs/GaAs	Infrared	850	.....	Blue Transparent	3mm	1.5	1.8	43	30°
YA-314IR-850-30C	GaAIAs/GaAs	Infrared	850	.....	Clear Transparent	3mm	1.5	1.8	43	30°
YA-314IR-940-30B	GaAIAs/GaAs	Infrared	940	.....	Blue Transparent	3mm	1.3	1.45	53	30°
YA-314IR-940-30C	GaAIAs/GaAs	Infrared	940	.....	Clear Transparent	3mm	1.3	1.45	53	30°
YA-513IR-850-30B	GaAIAs/GaAs	Infrared	850	.....	Blue Transparent	5mm	1.5	1.8	43	30°
YA-513IR-850-30C	GaAIAs/GaAs	Infrared	850	.....	Clear Transparent	5mm	1.5	1.8	43	30°
YA-513IR-940-30B	GaAIAs/GaAs	Infrared	940	.....	Blue Transparent	5mm	1.3	1.45	55	30°
YA-513IR-940-30C	GaAIAs/GaAs	Infrared	940	.....	Clear Transparent	5mm	1.3	1.45	55	30°

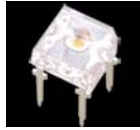
UV Part No.	Chip				Lens Color	Size	Electro-optical Data				Viewing Angle (2θ 1/2)
	Material	Emitted color	λP (nm)	λD (nm)			(At 20mA)				
							Vf(V)		Radiant Power		
							Typ.	Max.	Min.	Typ.	
YA-UV3N20N	SiC	.....	395	390~410	Water Clear	3mm	3.5	4.2	6	10	20°
YA-UV5N30N	SiC	.....	395	390~410	Water Clear	5mm	3.5	4.2	6	10	30°

4. MR16



Part NO.	Color	Base	Voltage
YO-125W3C-12V-MR16	White	MR16	12V
YO-125WSC-12V-MR16	Sunny	MR16	12V
YO-125B5C-12V-MR16	Blue	MR16	12V
YO-125G3C-12V-MR16	Green	MR16	12V
YO-125Y5C-12V-MR16	Yellow	MR16	12V
YO-125R5C-12V-MR16	Red	MR16	12V

5. SuperFlux



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Part Number	Color			Lens Color	Electro-optical Data			Viewing Angle (2θ 1/2)
	Emitted Color	λP (nm)	λD (nm)		(At 20mA)		Iv(mcd) Typ.	
					Typ.	Max.		
					Vf(V)			
YO-SF30EUW5C	Super White	.....	X:0.31 Y:0.32	Yellow Diffused	3.2	3.5	3500	50°
YO-SF30EUB5C	Super Blue	470	465~475	Water Clear	3.2	3.5	2000	50°
YO-SF30EUG5C	Super Green	525	520~530	Water Clear	3.2	3.5	5500	50°
YO-SF30EUTYC	Super Yellow	590	585~595	Water Clear	2.2	2.5	4000	50°
YO-SF30EUTRC	Super Red	625	620~630	Water Clear	2.2	2.5	4200	50

6. SMD0603



Updated: Oct 2006

Part No.	Chip				Lens Color	Electro-optical Data				Viewing Angle (2θ 1/2)
	Material	Emitted Color	λP (nm)	λD (nm)		(at 20mA)		Iv(mcd) Min.	Iv(mcd) Typ.	
						Typ.	Max.			
						Vf(V)				
UBSM0603NB261	InGaN	Blue	470	470~475	Water Clear	3.2	3.7	-----	110	120°
UBSM0603LG161	InGaN	Pure Green	525	520~530	Water Clear	3.5	4	-----	500	120°
UBSM0603UYG21	AllnGap	Yellow Green	570	568~575	Water Clear	2	2.5	-----	80	120°
UBSM0603UY21	AllnGap	Super Yellow	592	588~594	Water Clear	2.1	2.6	-----	100	120°
UBSM0603USO21	AllnGap	Amber	608	600~610	Water Clear	2.1	2.6	-----	100	120°
UBSM0603USR21	AllnGap	Orange Red	630	625~630	Water Clear	2.1	2.6	-----	100	120°
UBSM0603WL363	InGaN	White	-----	X:0.31 Y:0.32	Yellow Diffused	3.2	3.7	-----	500	120°
UBSM0603WL263	InGaN	White	-----	X:0.31 Y:0.32	Yellow Diffused	3.2	3.7	-----	400	120°
UBSM0603WW	InGaN	Sunny White	-----		Yellow Diffused	3.2	3.7	-----	300	120°
UBSM0603WG	InGaN	Golden White	-----		Yellow Diffused	3.2	3.7	-----	300	120°

7. SMD1206



Updated: Oct 2006

Part Number	Chip				Lens Color	Electro-optical Data (at 20mA)				Viewing Angle (2θ 1/2)
	Material	Emitted color	λP (nm)	λD (nm)		Vf(V)		Iv(mcd)		
						Typ.	Max.	Min.	Typ.	
UBSM1206NB261	InGaN	Blue	470	470~475	Water Clear	3.2	3.7	-----	110	120°
UBSM1206LG161	InGaN	Pure Green	525	520~530	Water Clear	3.5	4	-----	500	120°
UBSM1206UYG21	AllnGap	Yellow Green	570	568~575	Water Clear	2	2.5	-----	80	120°
UBSM1206UY21	AllnGap	Super Yellow	592	588~594	Water Clear	2.1	2.6	-----	100	120°
UBSM1206USO21	AllnGap	Amber	608	600~610	Water Clear	2.1	2.6	-----	100	120°
UBSM1206USR21	AllnGap	Orange Red	630	625~630	Water Clear	2.1	2.6	-----	100	120°
UBSM1206WL363	InGaN	White	-----	X:0.31 Y:0.32	Yellow Diffused	3.2	3.7	-----	500	120°
UBSM1206WL263	InGaN	White	-----	X:0.31 Y:0.32	Yellow Diffused	3.2	3.7	-----	400	120°
UBSM1206WW	InGaN	Sunny White	-----		Yellow Diffused	3.2	3.7	-----	350	120°

8. SMD0805



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Part No.	Chip				Lens Color	Electro-optical Data (at 20mA)				Viewing Angle (2θ 1/2)
	Material	Emitted Color	λP (nm)	λD (nm)		Vf(V)		Iv(mcd)		
						Typ.	Max.	Min.	Typ.	
UBSM0805NB261	InGaN	Blue	470	465~475	Water Clear	3.2	3.7	-----	110	120°
UBSM0805LG161	InGaN	Pure Green	525	520~530	Water Clear	3.5	4	-----	500	120°
UBSM0805UYG21	AllnGap	Yellow Green	570	568~575	Water Clear	2	2.5	-----	80	120°
UBSM0805UY21	AllnGap	Super Yellow	592	585~595	Water Clear	2.1	2.6	-----	100	120°
UBSM0805USO21	AllnGap	Amber	608	600~610	Water Clear	2.1	2.6	-----	100	120°
UBSM0805USR21	AllnGap	Orange Red	630	620~630	Water Clear	2.1	2.6	-----	100	120°
UBSM0805WL363	InGaN	White	-----	X:0.31 Y:0.32	Yellow Diffused	3.2	3.7	-----	500	120°
UBSM0805WL263	InGaN	White	-----	X:0.31 Y:0.32	Yellow Diffused	3.2	3.7	-----	400	120°