

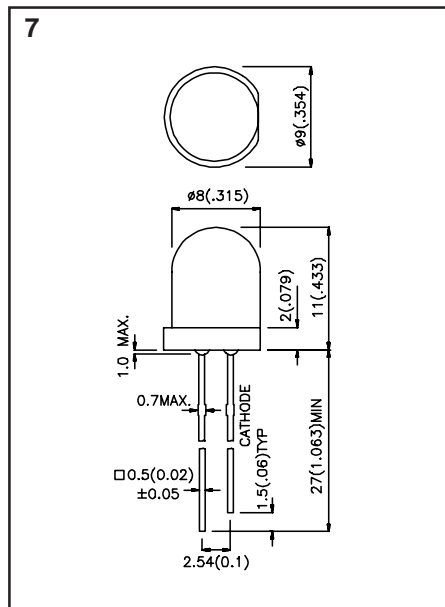
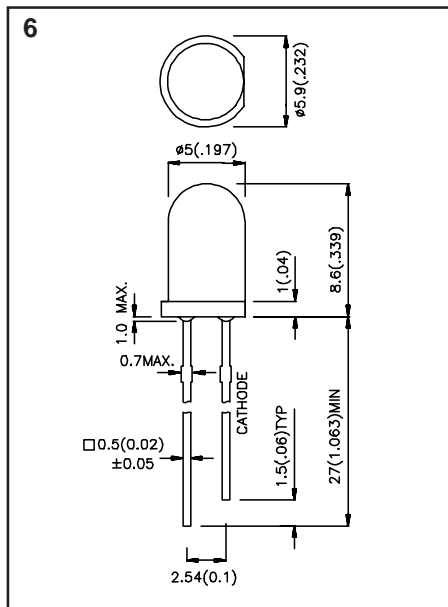


# Super Bright LED Lamps



Shape	Part No.	Material (Emitted Color)	Lens	Peak Wave Length (nm)	Electrical/Optical Data				Viewing Angle 2θ1/2	Figure No.
					Vf (V) If=20mA		Iv (mcd) If=20mA			
					Typ.	Max.	Min.	Typ.		
	XLMR12DD	GaAlAs(Red)	Red Diffused	660	1.85	2.5	200	240	30°	6
	XLMR12DE	GaAlAs(Red)	Red Diffused	660	1.85	2.5	300	390	30°	
	XLMR12DF	GaAlAs(Red)	Red Diffused	660	1.85	2.5	500	590	30°	
	XLMR12DG	GaAlAs(Red)	Red Diffused	660	1.85	2.5	700	890	30°	
	XLMR12DH	GaAlAs(Red)	Red Diffused	660	1.85	2.5	1000	1490	30°	
	XLMR12WDU	GaAlAs(Red)	Water Clear	660	1.85	2.5	1000	1190	20°	
	XLMR12WDV	GaAlAs(Red)	Water Clear	660	1.85	2.5	1300	1490	20°	
	XLMD12W	InGaAlP(Red)	Water Clear	640	1.9	2.5	1300	1790	20°	
	XLMR12WDW	GaAlAs(Red)	Water Clear	660	1.85	2.5	1600	1790	20°	
	XLMD12WE	InGaAlP(Red)	Water Clear	640	1.9	2.5	1600	2190	20°	
	XLME12W	InGaAlP(Red)	Water Clear	630	2.0	2.5	1600	4990	20°	
	XLMR12WE	GaAlAs(Red)	Water Clear	660	1.85	2.5	2000	2790	20°	
	XLMR12WF	GaAlAs(Red)	Water Clear	660	1.85	2.5	3500	3990	20°	
	XLZE12W	InGaAlP(Red)	Water Clear	640	2.2	2.8	7000	9990	20°	
	XLMO12D	InGaAlP(Orange)	Orange Diffused	610	2.0	2.5	400	790	30°	
	XLMO12C	InGaAlP(Orange)	Orange Transparent	610	2.0	2.5	700	2490	20°	
	XLMO12W	InGaAlP(Orange)	Water Clear	610	2.0	2.5	700	2490	20°	
	XLMG12D	GaP(Green)	Green Diffused	565	2.2	2.5	20	37	30°	
	XLMG12W	GaP(Green)	Water Clear	565	2.2	2.5	70	195	20°	
	XLSG12W	InGaAlP(Green)	Water Clear	574	2.1	2.5	480	990	20°	
	XLBG12WE	InGaN(Green)	Water Clear	518	4.0	4.5	2800	4490	20°	
	XLBG12WH	InGaN(Green)	Water Clear	520	3.7	4.1	8000	17995	20°	
	XLG12W	InGaN(Green)	Water Clear	500	3.6	4.4	1000	1498	20°	
	XLMY12D	InGaAlP(Yellow)	Yellow Diffused	590	2.0	2.5	100	390	30°	
XLMY12C	InGaAlP(Yellow)	Yellow Transparent	590	2.0	2.5	400	1190	20°		
XLMY12W	InGaAlP(Yellow)	Water Clear	590	2.0	2.5	400	1190	20°		
XLZY12W	InGaAlP(Yellow)	Water Clear	590	2.3	2.8	1500	2090	20°		

	XLMR81DC	GaAlAs(Red)	Red Diffused	660	1.85	2.5	200	290	60°	7
	XLMR81DD	GaAlAs(Red)	Red Diffused	660	1.85	2.5	350	390	60°	
	XLMR81DE	GaAlAs(Red)	Red Diffused	660	1.85	2.5	450	490	60°	
	XLMR81DF	GaAlAs(Red)	Red Diffused	660	1.85	2.5	550	590	60°	
	XLMR81DG	GaAlAs(Red)	Red Diffused	660	1.85	2.5	650	690	60°	
	XLMR81DH	GaAlAs(Red)	Red Diffused	660	1.85	2.5	800	1190	60°	
	XLMR81WC	GaAlAs(Red)	Water Clear	660	1.85	2.5	1000	1490	40°	
	XLMR81WD	GaAlAs(Red)	Water Clear	660	1.85	2.5	1600	1790	40°	
	XLMR81WE	GaAlAs(Red)	Water Clear	660	1.85	2.5	2000	2790	40°	
	XLMR81WF	GaAlAs(Red)	Water Clear	660	1.85	2.5	3000	3790	40°	
	XLSG81W	InGaAlP(Green)	Water Clear	574	2.1	2.5	400	795	20°	
	XLMY81W	InGaAlP(Yellow)	Water Clear	590	2.0	2.5	380	695	40°	



Dimension Unit : mm(inches), Tolerance :  $\pm 0.25$ mm (0.01")

We reserve the right to make changes at any time to enhance the design and / or performance of the product.