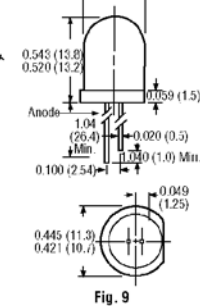
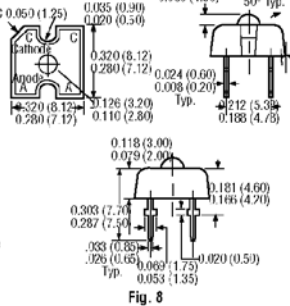
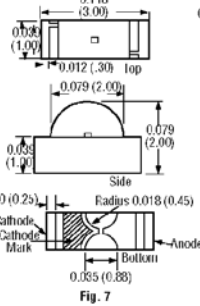
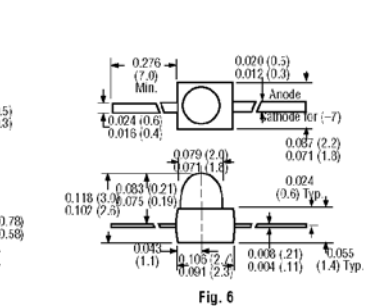
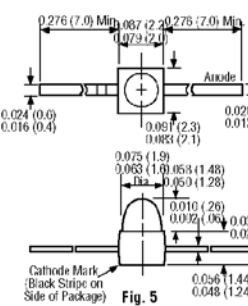
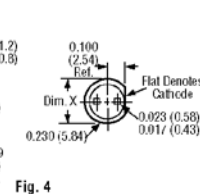
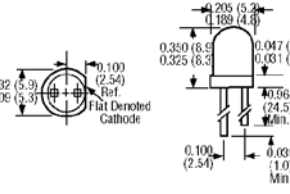
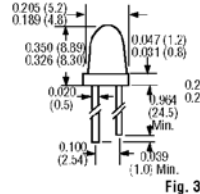
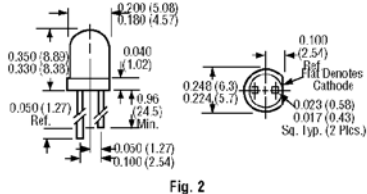
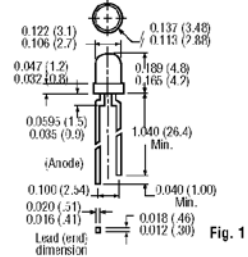


Super Bright LED Lamps



T-100 Super Bright Clear Lens — Fig. 1

Stock No.	Mfr.'s Type	Source Color	Wave Lgth. λ_p (nm)	Lens Color	Typ. Vwng. Angle	Forward Voltage V_f (V)		Luminous Intensity I_v (mcd)		Notes*	EACH	
						Typ.	Max.	Min.	Typ.		1-99	100
990-3242	MV7042	AlInGaP Red	645	Water Clr.	60°	2.10	2.80	100.0	150	1	.30	.24
990-3244	MV7043	AlInGaP Red	645	Water Clr.	60°	2.10	2.80	160.0	240	1	.33	.26
990-3246	MV7044	AlInGaP Red	645	Water Clr.	60°	2.10	2.80	250.0	375	1	.35	.28
990-3248	MV7342	AlInGaP Yell.	590	Water Clr.	60°	2.10	2.80	100.0	150	1	.30	.24
990-3250	MV7343	AlInGaP Yell.	590	Water Clr.	60°	2.10	2.80	160.0	240	1	.33	.26
990-3252	MV7344	AlInGaP Yell.	590	Water Clr.	60°	2.10	2.80	250.0	375	1	.35	.28
990-3254	MV7441	Gm.	570	Water Clr.	60°	2.10	2.80	100.0	150	1	.23	.18
990-3256	MV7442	Gm.	570	Water Clr.	60°	2.00	2.80	160.0	240	1	.25	.20
990-3258	MV7742	AlInGaP Org.	620	Water Clr.	60°	2.10	2.80	100.0	150	1	.30	.24
990-3260	MV7743	AlInGaP Org.	620	Water Clr.	60°	2.10	2.80	160.0	240	1	.33	.26
990-3262	MV7744	AlInGaP Org.	620	Water Clr.	60°	2.10	2.80	250.0	375	1	.35	.28
990-3264	MV7744	AlInGaP Org. Red	630	Water Clr.	60°	2.10	2.80	100.0	150	1	.30	.24
990-3266	MV7843	AlInGaP Org. Red	630	Water Clr.	60°	2.10	2.80	160.0	240	1	.33	.26
990-3268	MV7844	AlInGaP Org. Red	630	Water Clr.	60°	2.10	2.80	250.0	375	1	.35	.28
990-3146	MV5860	GaN/SiC Blue	430	Water Clr.	35°	3.80	5.50	200.0	350	1	2.50	2.00
990-3148	MV58640	GaN/SiC Blue	430	Blue Diff.	45°	3.80	5.50	80.0	120	1	2.75	2.20

T-1¼ Super Bright Diff. Lens — Fig. 2

990-3310	MV8190	AlGaAs Red	660	Red Diff.	40°	1.70	2.40	63.0	100	1	.28	.22
990-3312	MV8191	AlGaAs Red	660	Red Diff.	40°	1.70	2.40	100.0	200	1	.33	.26

T-1¼ Super Bright Tapered Clear Lens — Fig. 3

990-3348	MV8713	AlInGaP Org.	620	Water Clr.	12°	2.10	2.80	630.0	940	1	.60	.48
990-3350	MV8714	AlInGaP Org.	620	Water Clr.	12°	2.10	2.80	1000.0	1500	1	.65	.52
990-3352	MV8715	AlInGaP Org.	620	Water Clr.	12°	2.10	2.80	1600.0	2400	1	.75	.60
990-3354	MV8716	AlInGaP Org.	620	Water Clr.	12°	2.10	2.80	2500.0	3500	1	.80	.64
990-3296	MV8111	AlGaAs Red	660	Water Clr.	12°	1.70	2.40	250.0	370	1	.28	.22
990-3298	MV8112	AlGaAs Red	660	Water Clr.	12°	1.70	2.40	630.0	950	1	.30	.24
990-3300	MV8113	AlGaAs Red	660	Water Clr.	12°	1.70	2.40	1000.0	1500	1	.45	.36
990-3302	MV8114	AlGaAs Red	660	Water Clr.	12°	1.70	2.40	1600.0	2400	1	.60	.48
990-3320	MV8313	AlInGaP Yell.	590	Water Clr.	12°	2.10	2.80	630.0	940	1	.58	.46
990-3322	MV8314	AlInGaP Yell.	590	Water Clr.	12°	2.10	2.80	1000.0	1500	1	.65	.52
990-3324	MV8315	AlInGaP Yell.	590	Water Clr.	12°	2.10	2.80	1600.0	2400	1	.75	.60
990-3326	MV8316	AlInGaP Yell.	590	Water Clr.	12°	2.10	2.80	2500.0	3500	1	.80	.64
990-3336	MV8410	Gm.	565	Water Clr.	12°	2.10	2.80	160.0	240	1	.28	.22
990-3338	MV8411	Gm.	565	Water Clr.	12°	2.10	2.80	250.0	370	1	.33	.26
990-3340	MV8412	Gm.	565	Water Clr.	12°	2.10	2.80	400.0	600	1	.38	.30
990-3370	MV8813	AlInGaP Org. Red	630	Water Clr.	12°	2.10	2.80	630.0	940	1	.35	.28
990-3372	MV8814	AlInGaP Org. Red	630	Water Clr.	12°	2.10	2.80	1000.0	1500	1	.40	.32
990-3374	MV8815	AlInGaP Org. Red	630	Water Clr.	12°	2.10	2.80	1600.0	2400	1	.45	.36
990-3376	MV8816	AlInGaP Org. Red	630	Water Clr.	12°	2.10	2.80	2500.0	3500	1	.50	.40
990-3276	MV8012	AlInGaP Red	645	Water Clr.	12°	2.10	2.80	630.0	950	1	.45	.36
990-3278	MV8013	AlInGaP Red	645	Water Clr.	12°	2.10	2.80	1000.0	1500	1	.48	.38
990-3280	MV8014	AlInGaP Red	645	Water Clr.	12°	2.10	2.80	1600.0	2400	1	.50	.40
990-3282	MV8015	AlInGaP Red	645	Water Clr.	12°	2.10	2.80	2500.0	3500	1	.53	.42

T-1¼ Super Bright Clear Lens — Fig. 4

990-3242	MV8703	AlInGaP Org.	620	Water Clr.	20°	2.10	2.80	630.0	940	1	.30	.24
990-3244	MV8704	AlInGaP Org.	620	Water Clr.	20°	2.10	2.80	1000.0	1500	1	.33	.26
990-3246	MV8705	AlInGaP Org.	620	Water Clr.	20°	2.10	2.80	1600.0	2400	1	.35	.28
990-3356	MV8731	AlInGaP Org.	620	Water Clr.	30°	2.10	2.80	400.0	600	1	.53	.42
990-3358	MV8732	AlInGaP Org.	620	Water Clr.	30°	2.10	2.80	630.0	940	1	.68	.54
990-3360	MV8741	AlInGaP Org.	620	Water Clr.	45°	2.10	2.80	250.0	370	1	.58	.46
990-3362	MV8742	AlInGaP Org.	620	Water Clr.	45°	2.10	2.80	400.0	600	1	.73	.58
990-3290	MV8102	AlGaAs Red	660	Water Clr.	20°	1.70	2.40	250.0	370	1	.25	.20
990-3292	MV8103	AlGaAs Red	660	Water Clr.	20°	1.70	2.40	630.0	940	1	.23	.18
990-3294	MV8104	AlGaAs Red	660	Water Clr.	20°	1.70	2.40	1000.0	1500	1	.48	.38
990-3304	MV8132	AlGaAs Red	660	Water Clr.	30°	1.70	2.40	630.0	940	1	.48	.38

*1: V_f and I_v @ I_f = 20 mA. 2: V_f and I_v @ I_f = 70 mA.

T-1¼ Super Bright Clear Lens — Fig. 4 (continued)

Stock No.	Mfr.'s Type	Source Color	Wave Lgth. λ_p (nm)	Lens Color	Typ. Vwng. Angle	Forward Voltage V_f (V)		Luminous Intensity I_v (mcd)		Notes*	EACH	
						Typ.	Max.	Min.	Typ.		1-99	100
990-3306	MV8140	AlGaAs Red	660	Water Clr.	40°	1.70	2.40	120.0	220	1	.28	.22
990-3308	MV8141	AlGaAs Red	660	Water Clr.	40°	1.70	2.40	250.0	370	1	.33	.26
990-3314	MV8303	AlInGaP Yell.	590	Water Clr.	20°	2.10	2.80	630.0	940	1	.58	.46
990-3316	MV8304	AlInGaP Yell.	590	Water Clr.	20°	2.10	2.80	1000.0	1500	1	.65	.52
990-3318	MV8305	AlInGaP Yell.	590	Water Clr.	20°	2.10	2.80	1600.0	2400	1	.75	.60
990-3328	MV8331	AlInGaP Yell.	590	Water Clr.	30°	2.10	2.80	400.0	600	1	.73	.58
990-3330	MV8332	AlInGaP Yell.	590	Water Clr.	30°	2.10	2.80	630.0	940	1	.83	.66
990-3332	MV8341	AlInGaP Yell.	590	Water Clr.	45°	2.10	2.80	160.0	220	1	.60	.48
990-3334	MV8342	AlInGaP Red	645	Water Clr.	20°	1.60	1.90	250.0	370	1	.35	.28
990-3364	MV8803	AlInGaP Org. Red	630	Water Clr.	20°	2.10	2.80	630.0	940	1	.40	.32
990-3366	MV8804	AlInGaP Org. Red	630	Water Clr.	20°	2.10	2.80	1000.0	1500	1	.45	.36
990-3368	MV8805	AlInGaP Org. Red	630	Water Clr.	20°	2.10	2.80	1600.0	2400	1	.50	.40
990-3378	MV8831	AlInGaP Org. Red	630	Water Clr.	30°	2.10	2.80	400.0	600	1	.45	.36
990-3380	MV8832	AlInGaP Org. Red	630	Water Clr.	30°	2.10	2.80	630.0	940	1	.50	.40
990-3270	MV8003	AlInGaP Red	645	Water Clr.	20°	2.10	2.80	630.0	940	1	.55	.44
990-3272	MV8004	AlInGaP Red	645	Water Clr.	20°	2.10	2.80	1000.0	1500	1	.58	.46
990-3274	MV8005	AlInGaP Red	645	Water Clr.	20°	2.10	2.80	1600.0	2400	1	.60	.48
990-3284	MV8031	AlInGaP Red	645	Water Clr.	30°	2.10	2.80	400.0	600	1	.50	.40
990-3286	MV8032	AlInGaP Red	645	Water Clr.	30°	2.10	2.80	630.0	940	1	.53	.42
990-3288	MV8041	AlInGaP Red	645	Water Clr.	45°	2.10	2.80	160.0	220	1	.50	.40