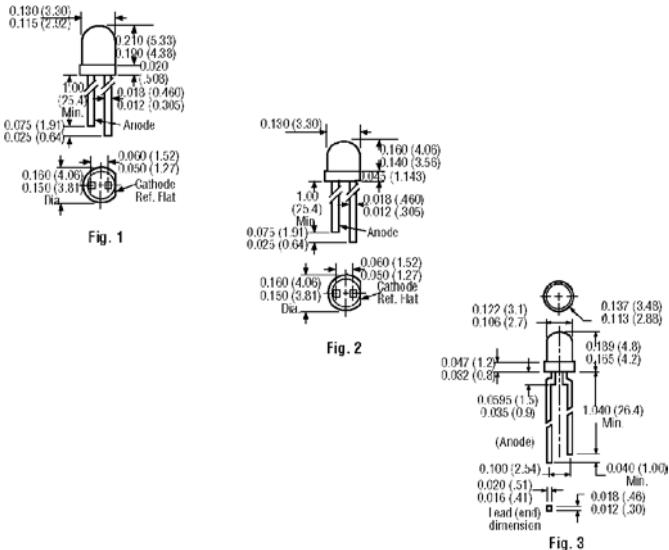


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3 mm LED Lamps



T-1 Lamps — Fig. 1

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Stock No.	Mfr.'s Type	Source Color	Wave Length λ (nm)	Lens Color	Typical Viewing Angle	Forward Voltage V_f (V)	Luminous Intensity I_v (mcd)	Notes*	EACH		
									Typ.	Max.	Min.
990-3048	MV5074C	Red	660	Red Diff.	70°	1.6	2.0	0.7	2.5	2	.20 .16
990-3050	MV5075C	Red	660	Red Diff.	85°	1.6	2.0	0.6	1.5	2	.20 .16
990-3142	MV5774C	HER	630	Red Diff.	85°	2.0	3.0	1.5	9.0	2	.20 .16
990-3106	MV5474C	Grn.	565	Grn. Diff.	85°	2.0	3.0	1.2	9.0	2	.23 .18
990-3082	MV5374C	Yell.	585	Yell. Diff.	85°	2.1	3.0	1.5	9.0	2	.23 .18

T-1 Low Profile Lens — Fig. 2

990-3052	MV5077C	Red	660	Red Diff.	180°	1.6	2.0	0.3	1.8	2	.20 .16
990-3144	MV5777C	HER	635	Red Diff.	180°	2.0	3.0	1.0	7.0	2	.20 .16
990-3108	MV5477C	Grn.	565	Grn. Diff.	180°	2.2	3.0	1.0	7.0	2	.23 .18
990-3084	MV5377C	Yell.	585	Yell. Diff.	180°	2.2	3.0	1.0	7.0	2	.20 .16

T-100 Clear Lens — Fig. 3

990-1020	MHMP-1320	HER	635	Pale Orng. Tint	45°	2.0	3.0	6.0	12.0	1	.18 .14
990-1022	MHMP-1321	HER	635	Red Clear	45°	2.0	3.0	6.0	12.0	1	.20 .16
990-1024	MHMP-1340	HER	635	Pale Orng. Tint	45°	2.2	3.0	24.0	60.0	2	.18 .14
990-3128	MV5760	HER	635	Pale Orng. Tint	45°	2.0	3.0	6.0	12.0	1	.18 .14
990-3130	MV57620	HER	635	Red Clear	45°	2.0	3.0	1.5	2.0	1	.18 .14
990-3132	MV57621	HER	635	Red Clear	45°	2.0	3.0	3.0	4.0	1	.20 .16
990-3134	MV57622	HER	635	Red Clear	45°	2.0	3.0	6.0	12.0	1	.23 .18
990-3136	MHMP-1520	Grn.	565	Pale Grn. Tint	45°	2.1	3.0	6.0	12.0	2	.18 .14
990-1036	MHMP-1520	Grn.	565	Grn. Clear	45°	2.1	3.0	6.0	12.0	2	.20 .16
990-1038	MHMP-1540	Grn.	565	Pale Grn. Tint	45°	2.2	3.0	24.0	60.0	2	.18 .14
990-3098	MV5460	Grn.	565	Pale Grn. Tint	45°	2.1	3.0	6.0	12.0	2	.18 .14
990-3108	MV54624	Grn.	565	Grn. Clear	45°	2.1	3.0	6.0	12.0	2	.18 .14
990-1028	MHMP-1420	Yell.	585	Pale Yell. Tint	45°	2.1	3.0	6.0	12.0	1	.18 .14
990-1030	MHMP-1440	Yell.	585	Pale Yell. Tint	45°	2.2	3.0	24.0	60.0	2	.18 .14
990-3070	MV5360	Yell.	585	Yell. Clear	45°	2.1	3.0	6.0	12.0	1	.18 .14
990-3072	MV53621	Yell.	585	Yell. Clear	45°	2.1	3.0	3.0	4.0	1	.18 .14
990-3074	MV53622	Yell.	585	Yell. Clear	45°	2.1	3.0	6.0	8.0	1	.20 .16
990-1163	MHMP-K105†	AlGaAS Red	660	Red Clear	35°	1.8	2.2	35.0	70.0	2	.25 .20
990-1176	MHMP-K640	Pure Grn.	565	Water Clear	45°	2.2	3.0	4.2	3.0	2	.23 .18

T-100 Diffused Lens — Fig. 3

990-3046	MV50640	Red	660	Red Diff.	60°	1.6	2.0	0.5	1.5	2	.18 .14
990-1014	MHMP-1300	HER	635	Red Diff.	60°	2.0	3.0	1.0	2.0	1	.20 .16
990-1016	MHMP-1301	HER	635	Red Diff.	60°	2.0	3.0	2.0	2.5	1	.23 .18
990-1018	MHMP-1320	HER	635	Red Diff.	60°	2.2	3.0	3.0	4.0	1	.25 .20
990-1026	MHMP-1385	HER	635	Red Diff.	60°	2.0	3.0	8.6	11.0	1	.23 .18
990-3136	MV57640	HER	635	Red Diff.	60°	2.0	3.0	1.0	2.0	1	.18 .14
990-3138	MV57641	HER	635	Red Diff.	60°	2.0	3.0	2.0	2.5	1	.20 .16
990-3140	MHMP-1422	HER	635	Red Diff.	60°	2.0	3.0	3.0	4.0	1	.23 .18
990-1034	MHMP-1503	Grn.	565	Grn. Diff.	75°	2.2	3.0	2.0	5.0	2	.18 .14
990-1040	MHMP-1523	Grn.	565	Grn. Diff.	75°	2.2	3.0	6.0	10.0	2	.18 .14
990-1044	MHMP-1585	Grn.	565	Grn. Diff.	75°	2.2	3.0	4.2	8.5	1	.23 .18
990-3102	MV54643	Grn.	565	Grn. Diff.	75°	2.2	3.0	2.0	5.0	2	.18 .14
990-3104	MV54644	Grn.	565	Grn. Diff.	75°	2.2	3.0	6.0	10.0	2	.20 .16
990-3076	MV53640	Yell.	585	Yell. Diff.	70°	2.1	3.0	1.0	2.0	1	.18 .14
990-3078	MV53641	Yell.	585	Yell. Diff.	70°	2.1	3.0	1.5	3.0	1	.20 .16
990-3080	MV53642	Yell.	585	Yell. Diff.	70°	2.1	3.0	2.5	4.5	1	.23 .18
990-1032	MHMP-1485	Yell.	585	Yell. Diff.	70°	2.1	3.0	5.7	10.0	1	.23 .18
990-1162	MHMP-K101	AlGaAS Red	660	Red Diff.	60°	1.8	2.2	22.0	45.0	2	.25 .20
990-1174	MHMP-K600	Pure Grn.	565	Grn. Diff.	90°	2.1	2.7	1.0	4.5	1	.23 .18
990-1168	MHMP-K400	Soft Orng.	612	Orng. Diff.	90°	1.9	2.4	1.0	4.0	1	.20 .16
990-1170	MHMP-K401	Soft Orng.	612	Orng. Diff.	90°	1.9	2.4	2.0	5.0	1	.20 .16
990-1172	MHMP-K402	Soft Orng.	612	Orng. Diff.	90°	1.9	2.4	3.0	6.5	1	.23 .18