



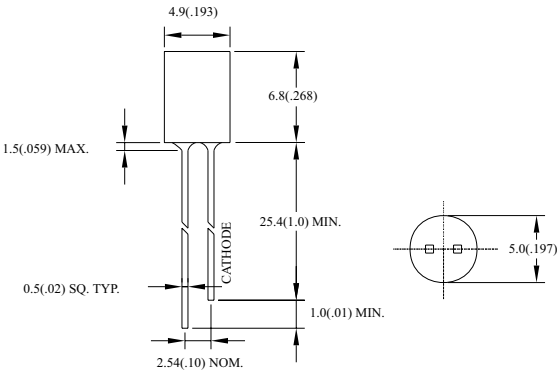
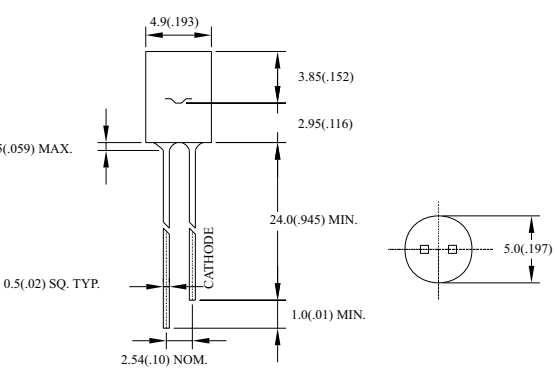
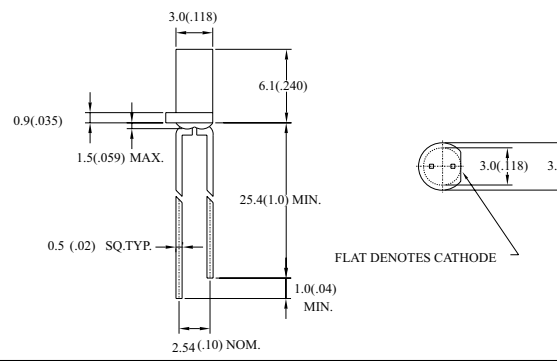
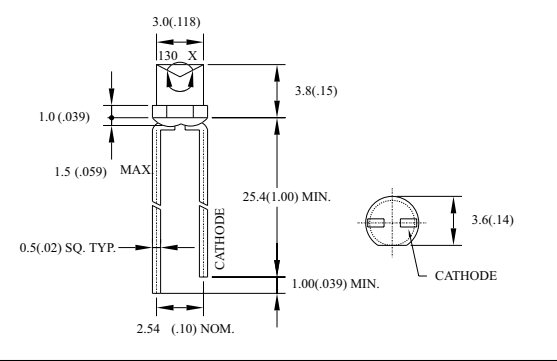
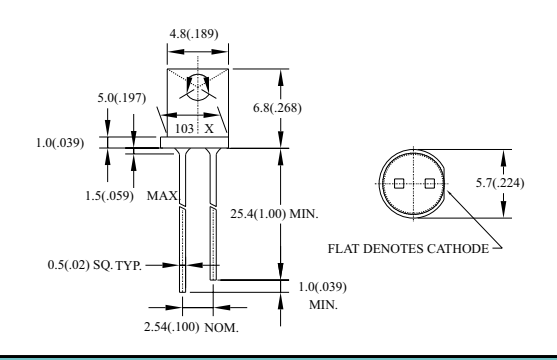
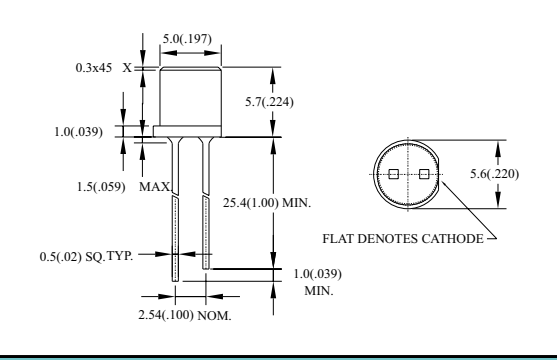
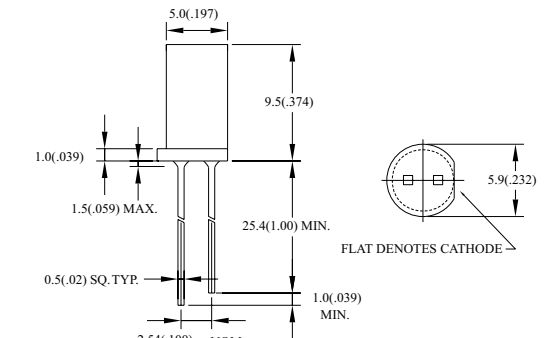
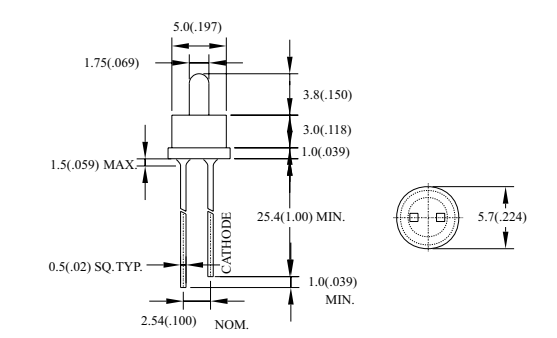
# STANDARD LED LAMPS(CYLINDRICAL & TOWER TYPES)

Package	Part No.	Chip		Lens Appearance	Absolute Maximum Ratings				Electro-optical Data(At 20mA)			Viewing Angle 2θ 1/2 (deg)	Drawing No.
		Material/ Emitted Color	Peak Wave Length λp (nm)		Δλ (nm)	Pd (mw)	If (mA)	Peak (mA)	Vf (V)		Iv (mcd)		
									Typ	Max	Typ.		
1.0" Lead Cylindrical φ 5.0	BL-C1131A	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	140	L-113
	BL-C5131A	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0		
	BL-C4531A	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	6.0		
	BL-C2131A	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	6.0		
	BL-CX1131A	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	8.0		
	BL-C3131A	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	5.0		
BL-C4131A	GaAsP/GaP/ Orange	635	Orange Diffused	45	100	30	150	2.0	2.6	6.0			
1.0" Lead Cylindrical φ 5.0	BL-C1131A-1	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.5	150	L-114
	BL-C5131A-1	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.8		
	BL-C4531A-1	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	5.0		
	BL-C2131A-1	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	5.0		
	BL-CX1131A-1	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	7.0		
	BL-C3131A-1	GaAsP/ GaP Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	4.0		
BL-C4131A-1	GaAsP/GaP/ Orange	635	Orange Diffused	45	100	30	150	2.0	2.6	5.0			
1.0" Lead Cylindrical φ 3.0	BL-C1132	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	2.0	130	L-115
	BL-C5132	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	3.0		
	BL-C4532	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	9.0		
	BL-C2132	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	9.0		
	BL-CX1132	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	12.0		
	BL-C3132	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	8.0		
BL-C4132	GaAsP/GaP/ Orange	635	Orange Diffused	45	100	30	150	2.0	2.6	9.0			
1.0" Lead Cylindrical φ 3.0	BL-C1435	GaAsP/GaAs/ Red	655	Red Trans	40	80	40	200	1.7	2.0	3.0	120	L-116
	BL-C5435	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	5.0		
	BL-C4635	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	15.0		
	BL-C2435	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	15.0		
	BL-CX1435	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	18.0		
	BL-C3435	GaAsP/GaP/ Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	12.0		
BL-C4435	GaAsP/GaP/ Orange	635	Orange Trans	45	100	30	150	2.0	2.6	15.0			
1.0" Lead Cylindrical φ 5.0	BL-C1436	GaAsP/GaAs/ Red	655	Red Trans	40	80	40	200	1.7	2.0	3.0	120	L-117
	BL-C5436	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	5.0		
	BL-C4636	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	14.0		
	BL-C2436	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	14.0		
	BL-CX1436	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	16.0		
	BL-C3436	GaAsP/GaP/ Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	13.0		
BL-C4436	GaAsP/GaP/ Orange	635	Orange Trans	45	100	30	150	2.0	2.6	14.0			
1.0" Lead Cylindrical φ 5.0	BL-C1336M	GaAsP/GaAs/ Red	655	Water Clear	40	80	40	200	1.7	2.0	3.0	20	L-118
	BL-C5336M	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	5.0		
	BL-C4336M	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	14.0		
	BL-C2336M	GaP/GaP/ Green	568		30	80	30	150	2.2	2.6	14.0		
	BL-CX1336M	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	16.0		
	BL-C3336M	GaAsP/GaP/ Yellow	585		35	80	30	150	2.1	2.6	13.0		
BL-C9336M	GaP/GaP/ Pure Green	555	30	80	30	150	2.2	2.6	1.2				
1.0" Lead Cylindrical φ 5.0	BL-C1137-T	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	1.0	120	L-119
	BL-C5137-T	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	2.0		
	BL-C4537-T	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	9.0		
	BL-C2137-T	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	9.0		
	BL-CX1137-T	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	12.0		
	BL-C3137-T	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	8.0		
Panel Dot 1.0" Lead φ 1.75	BL-S1131	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.8	75	L-120
	BL-S5131	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.2		
	BL-S4531	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	6.0		
	BL-S2131	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	6.0		
	BL-S3131	GaAsP/GaP/ Yellow	585		Yellow Diffused	35	80	30	150	2.1	2.6		

Remark : 1.Hi-Eff Red / High-Efficiency Red.

2.Trans / Transparent.

3.2θ 1/2 The off-axis angle at which the luminous intensity is half the axial luminous intensity.

<p><b>L-113 BL-Cxx31A Series</b></p> 	<p><b>L-114 BL-Cxx31A-1 Series</b></p> 
<p><b>L-115 BL-Cxx32 Series</b></p> 	<p><b>L-116 BL-Cxx35 Series</b></p> 
<p><b>L-117 BL-Cxx36 Series</b></p> 	<p><b>L-118 BL-Cxx36M Series</b></p> 
<p><b>L-119 BL-Cxx37-T Series</b></p> 	<p><b>L-120 BL-Sxx31 Series</b></p> 

Notes : 1.All Dimensions are in millimeters (inches).  
2.Tolerance is  $\pm 0.25\text{mm}$  (.010").