

STANDARD LED LAMPS(ROUND TYPES)

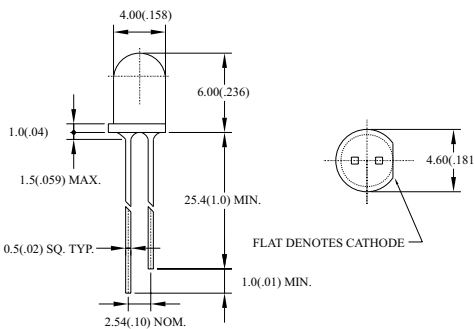
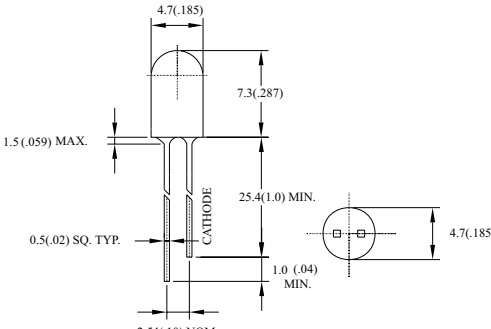
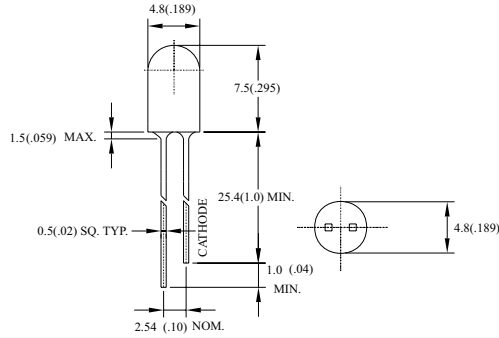
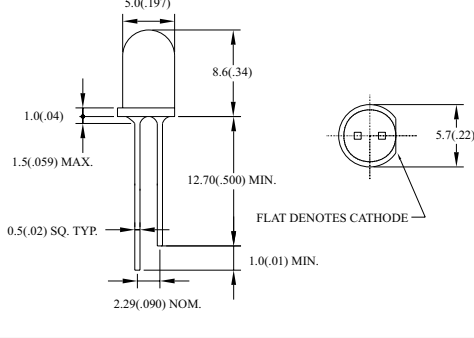
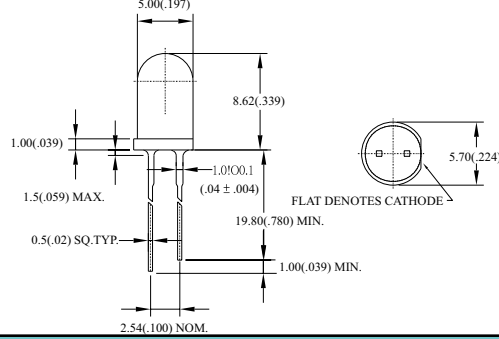
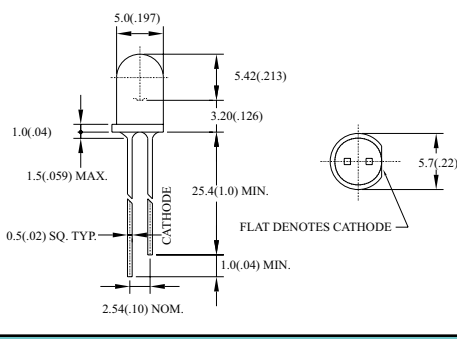
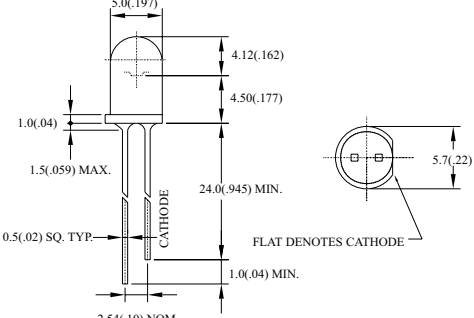
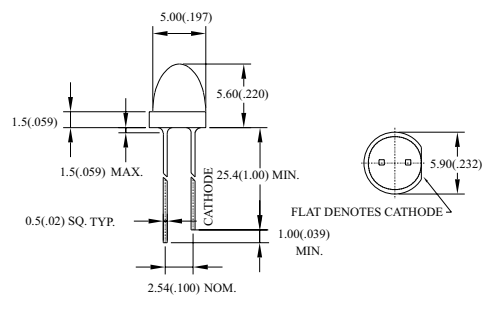
Package	Part No.	Chip		Lens Appearance	Absolute Maximum Ratings				Electro-optical Data(At 20mA)			Viewing Angle 2 θ 1/2 (deg)	Drawing No.	
		Material/ Emitted Color	Peak Wave Length λ p (nm)		Δ λ (nm)	Pd (mw)	If (mA)	Peak (mA)	Vf (V)		Iv (mcd)			
									Typ	Max	Typ			
Standard 1.0" Lead 4.0 ϕ	BL-B1132	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	9.0	55	L-033	
	BL-B5132	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	12.0			
	BL-B4532	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	70.0			
	BL-B2132	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	70.0			
	BL-B3132	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	60.0			
	BL-B4132	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	70.0			
	BL-B4632	GaAsP/GaP /Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	120.0	35		
Medium Profile Flangeless 1.0" Lead 4.7 ϕ	BL-B4533	GaAsP/GaP/ Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	80.0	40	L-034	
	BL-B2133	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0			
	BL-B3133	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0			
	BL-B4133	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	80.0			
	BL-B3333	GaAsP/GaP/ Yellow	585	Water Clear	35	80	30	150	2.1	2.6	100.0	30		
	BL-B2333	GaP/GaP/ Green	568		30	80	30	150	2.2	2.6	130.0			
	BL-B4333	GaAsP/GaP/ Orange	635		45	80	30	150	2.0	2.6	130.0			
Medium Profile Flangeless 1.0" Lead 4.8 ϕ	BL-B1133N	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	15.0	40	L-035	
	BL-B5133N	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	25.0			
	BL-B4533N	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	80.0			
	BL-B2133N	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0			
	BL-B3133N	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0			
	BL-B2433N	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	130.0	30		
	BL-B3433N	GaAsP/GaP/ Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	100.0			
T-13/4 Standard 0.5"Lead 5.0 ϕ	BL-B4524	GaAsP/GaP/ Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	25.0	40	L-036	
	BL-B2124	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	25.0			
	BL-B3124	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	20.0			
	BL-B4124	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	25.0			
	BL-B2424	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	65.0	30		
	BL-B3424	GaAsP/GaP/ Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	50.0			
	BL-B2324	GaP/GaP / Green	568	Water Clear	30	80	30	150	2.2	2.6	65.0			
T-13/4 Standard 0.8"Lead 5.0 ϕ	BL-B1114	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	4.0	45	L-037	
	BL-B5114	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	6.0			
	BL-B4114	GaAsP/GaP/ Orange	635		45	80	30	150	2.0	2.6	50.0			
	BL-B2114	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	50.0			
	BL-B3114	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	40.0			
	BL-B2414	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	55.0	35		
	BL-B4614	GaAsP/GaP/ Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	55.0			
T-13/4 Standard 1.0"Lead 5.0 ϕ	BL-B1134	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	8.0	35	L-038	
	BL-B5134	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	12.0			
	BL-B4534	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	80.0			
	BL-B2134	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0			
	BL-B3134	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0			
	BL-B2434	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	200	12		
	BL-B4634	GaAsP/GaP/ Yellow	635	Red Trans	45	80	30	150	2.0	2.6	200			
T-13/4 Wide Viewing Angle 1.0"Lead 5.0 ϕ	BL-B1134-I	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	5.0	40	L-039	
	BL-B5134-I	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	8.0			
	BL-B4534-I	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	65.0			
	BL-B2134-I	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	65.0			
	BL-B3134-I	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	55.0			
	BL-B2434-I	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	160	20		
T-13/4 Low Profile 1.0"Lead 5.0 ϕ	BL-B4334A	GaAsP/GaP/ Orange	635	Water Clear	45	80	30	150	2.0	2.6	60.0	30	L-040	
	BL-B2334A	GaP/GaP/ Green	568		30	80	30	150	2.0	2.6	60.0			
	BL-B3334A	GaAsP/GaP/ Yellow	585		35	80	30	150	2.1	2.6	50.0			
	BL-B4434A	GaAsP/GaP/ Orange	635	Orange Trans	45	80	30	150	2.0	2.6	60.0			
	BL-B2434A	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	60.0			

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

2. Trans / Transparent.

3. 2 θ 1/2 The off-axis angle at which the luminous intensity is half the axial luminous intensity.

STANDARD LED LAMPS(ROUND TYPES)

L-033 BL-Bxx32 Series  4.00(.158) 6.00(.236) 1.0(.04) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 25.4(1.0) MIN. 1.0(.01) MIN. 2.54(.10) NOM. 4.60(.181) FLAT DENOTES CATHODE	L-034 BL-Bxx33 Series  4.7(.185) 7.3(.287) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 25.4(1.0) MIN. 1.0(.04) MIN. 2.54(.10) NOM. 4.7(.185) CATHODE
L-035 BL-Bxx33N Series  4.8(.189) 7.5(.295) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 25.4(1.0) MIN. 1.0(.04) MIN. 2.54(.10) NOM. 4.8(.189) CATHODE	L-036 BL-Bxx24 Series  5.0(.197) 8.6(.34) 1.0(.04) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 12.70(.500) MIN. 1.0(.01) MIN. 2.29(.090) NOM. 5.7(.22) FLAT DENOTES CATHODE
L-037 BL-Bxx14 Series  5.00(.197) 8.62(.339) 1.00(.039) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 1.0(.001) (.04 ± .004) 19.80(.780) MIN. 1.00(.039) MIN. 2.54(.100) NOM. 5.70(.224) FLAT DENOTES CATHODE	L-038 BL-Bxx34 Series  5.0(.197) 5.42(.213) 1.0(.04) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 3.20(.126) 25.4(1.0) MIN. 1.0(.04) MIN. 2.54(.10) NOM. 5.7(.22) FLAT DENOTES CATHODE
L-039 BL-Bxx34-1 Series  5.0(.197) 4.12(.162) 1.0(.04) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 4.50(.177) 24.0(.945) MIN. 1.0(.04) MIN. 2.54(.10) NOM. 5.7(.22) FLAT DENOTES CATHODE	L-040 BL-Bxx34A Series  5.00(.197) 5.60(.220) 1.5(.059) 1.5(.059) MAX. 0.5(.02) SQ. TYP. 25.4(1.00) MIN. 1.00(.039) MIN. 2.54(.100) NOM. 5.90(.232) FLAT DENOTES CATHODE

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