



STANDARD LED LAMPS(ROUND TYPES)

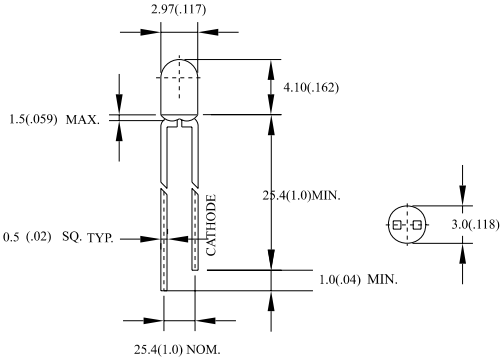
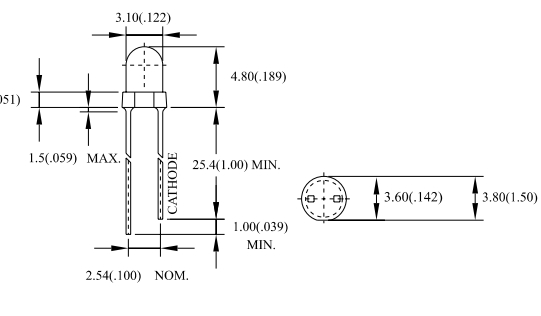
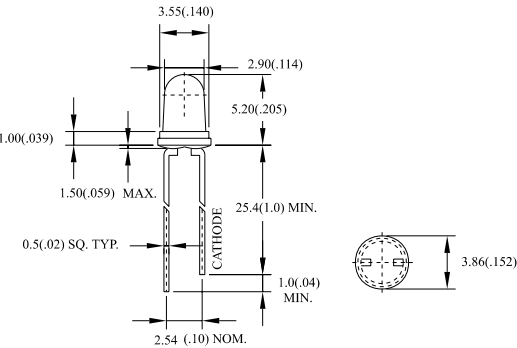
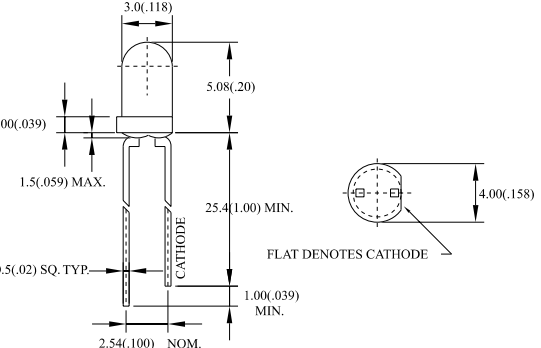
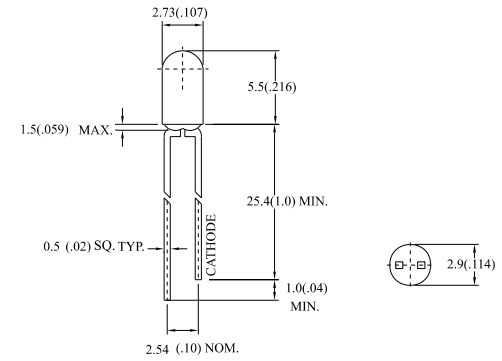
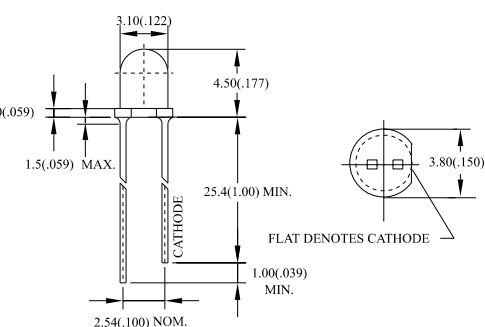
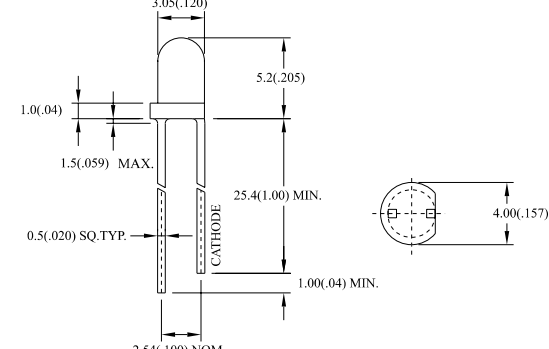
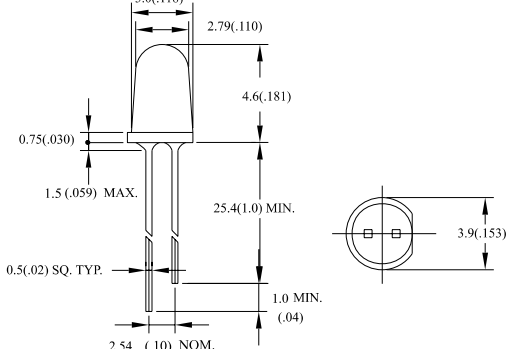
Package	Part No.	Chip		Lens Appearance	Absolute Maximum Ratings				Electro-optical Data(At 20mA)			Viewing Angle 2 θ 1/2 (deg)	Drawing No.	
		Material/ Emitted Color	Peak Wave Length λ p (nm)		Δ λ (nm)	Pd (mw)	If (mA)	Peak (mA)	Vf (V)		Iv (mcd)			
									Typ	Max	Typ.			
T-1 Flangeless 1.0" Lead 3.0 ϕ	BL-B1131N	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	2.0	55	L-025	
	BL-B5131N	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	3.0			
	BL-B4531N	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	12.0			
	BL-B2131N	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	12.0			
	BL-B3131N	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	10.0			
	BL-B4131N	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	12.0			
	BL-B4631N	GaAsP/GaP/ Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	60.0	50		
T1 Standard 1.0" Lead 3.1 ϕ	BL-B4541Q	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	60.0	40	L-026	
	BL-B2141Q	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	60.0			
	BL-B3141Q	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	50.0			
	BL-B4141Q	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	60.0			
	BL-B3341Q	GaAsP/GaP / Yellow	585	Water Clear	35	80	30	150	2.1	2.6	90.0			
	BL-B2341Q	GaP/GaP/ Green	568		30	80	30	150	2.2	2.6	110.0	35		
	BL-BX1341Q	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.1	2.6	150.0			
T-1 1.0" Lead 3.55 ϕ	BL-B1131T	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	4.0	35	L-027	
	BL-B5131T	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	6.0			
	BL-B4531T	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	70.0			
	BL-B2131T	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	70.0			
	BL-B3131T	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	60.0			
	BL-B2431T	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	120.0	30		
	BL-B3431T	GaAsP/GaP/ Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	100.0			
T-1 Profile 1.0"Lead 3.0 ϕ	BL-B4531U	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	15.0	50	L-028	
	BL-B2131U	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	15.0			
	BL-B3131U	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	10.0			
	BL-B4131U	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	15.0			
	BL-B2431U	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	65.0			
	BL-B3431U	GaAsP/GaP /Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	50.0	45		
	BL-B2331U	GaP/GaP/ Green	568	Water Clear	30	80	30	150	2.2	2.6	65.0			
BL-B3331U	GaAsP/GaP /Yellow	585	35	80	30	150	2.1	2.6	50.0					
T-1 Flangeless 1.0"Lead 2.9 ϕ	BL-B1131V	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	6.0	45	L-029	
	BL-B5131V	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	8.0			
	BL-B4531V	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	20.0			
	BL-B2131V	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	20.0			
	BL-B3131V	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	15.0			35
	BL-B2431V	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	100			
	BL-B4631V	GaAsP/GaP/ Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	100			
T-1 Flangeless 1.0"Lead 3.1 ϕ	BL-B1131W	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	6.0	50	L-030	
	BL-B5131W	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	8.0			
	BL-B4531W	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	25.0			
	BL-B2131W	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	25.0			
	BL-B3131W	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	20.0			40
	BL-B2431W	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	100			
	BL-B4631W	GaAsP/GaP/ Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	100			
T-1 1.0"Lead 3.0 ϕ	BL-B1141X	GaAsP/GaAs /Red	655	Red Diffused	40	80	40	200	1.7	2.0	6.0	40	L-031	
	BL-B5141X	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	8.0			
	BL-B4541X	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	25.0			
	BL-B2141X	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	25.0			35
	BL-B3141X	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	20.0			
	BL-B2441X	GaP/GaP/ Hi-Eff Green	568	Green Trans	30	80	30	150	2.0	2.6	100			
T-1 1.0"Lead 3.0 ϕ	BL-B4331Z	GaAsP/GaP/ Orange	635	Red Trans	45	80	30	150	2.0	2.6	100	35	L-032	
	BL-B2331Z	GaP/GaP/ Green	568		30	80	30	150	2.0	2.6	100			
	BL-B3331Z	GaAsP/GaP / Yellow	585		35	80	30	150	2.1	2.6	80.0			
	BL-B4431Z	GaAsP/GaP/ Orange	635	Orange Trans	45	80	30	150	2.0	2.6	100			
	BL-B2431Z	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.0	2.6	100			

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.

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L-025 BL-Bxx31N Series  2.97(.117) 4.10(.162) 1.5(.059) MAX. 0.5 (.02) SQ. TYP. CATHODE 25.4(1.0) MIN. 1.0(.04) MIN. 25.4(1.0) NOM. 3.0(.118)	L-026 BL-Bxx41Q Series  3.10(.122) 4.80(.189) 1.30(.051) 1.5(.059) MAX. CATHODE 25.4(1.00) MIN. 1.00(.039) MIN. 2.54(.100) NOM. 3.60(.142) 3.80(.150)
L-027 BL-Bxx31T Series  3.55(.140) 2.90(.114) 5.20(.205) 1.00(.039) 1.50(.059) MAX. 0.5(.02) SQ. TYP. CATHODE 25.4(1.0) MIN. 1.0(.04) MIN. 2.54 (.10) NOM. 3.86(.152)	L-028 BL-Bxx31U Series  3.0(.118) 5.08(.20) 1.00(.039) 1.5(.059) MAX. 0.5(.02) SQ. TYP. CATHODE 25.4(1.00) MIN. 1.00(.039) MIN. 2.54(.100) NOM. 4.00(.158) FLAT DENOTES CATHODE
L-029 BL-Bxx31V Series  2.73(.107) 5.5(.216) 1.5(.059) MAX. 0.5 (.02) SQ. TYP. CATHODE 25.4(1.0) MIN. 1.0(.04) MIN. 2.54 (.10) NOM. 2.9(.114)	L-030 BL-Bxx31W Series  3.10(.122) 4.50(.177) 1.50(.059) 1.5(.059) MAX. CATHODE 25.4(1.00) MIN. 1.00(.039) MIN. 2.54(.100) NOM. 3.80(.150) FLAT DENOTES CATHODE
L-031 BL-Bxx41X Series  3.05(.120) 5.2(.205) 1.0(.04) 1.5(.059) MAX. 0.5(.020) SQ. TYP. CATHODE 25.4(1.00) MIN. 1.00(.04) MIN. 2.54(.100) NOM. 4.00(.157)	L-032 BL-Bxx31Z Series  3.0(.118) 2.79(.110) 4.6(.181) 0.75(.030) 1.5(.059) MAX. 0.5(.02) SQ. TYP. CATHODE 25.4(1.0) MIN. 1.0 MIN. (.04) 2.54 (.10) NOM. 3.9(.153)

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