

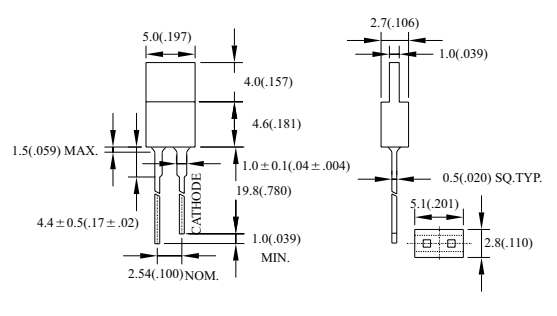
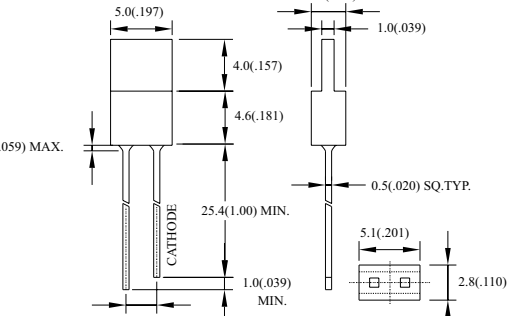
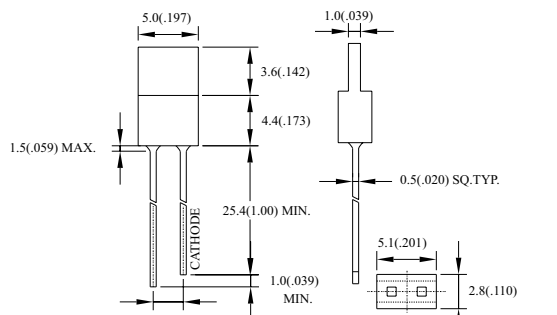
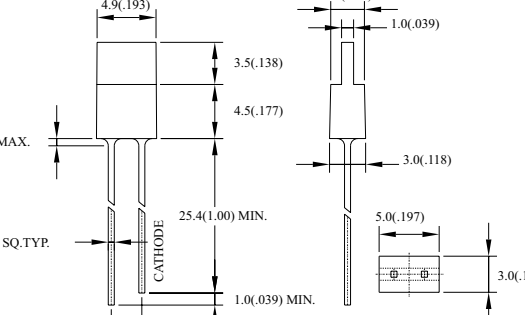
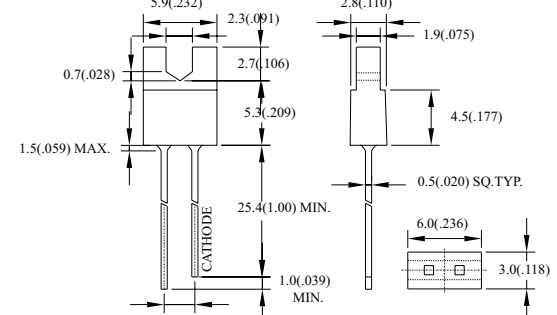
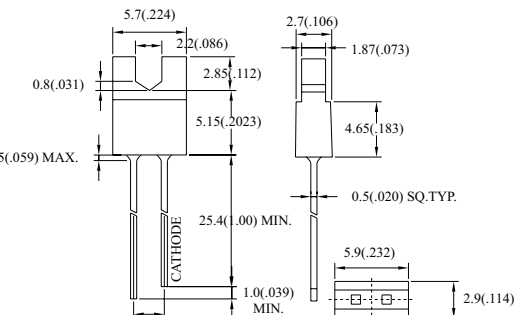
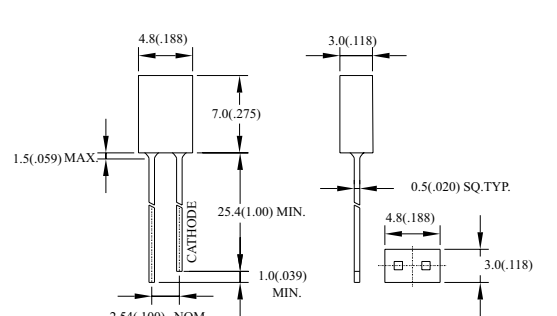
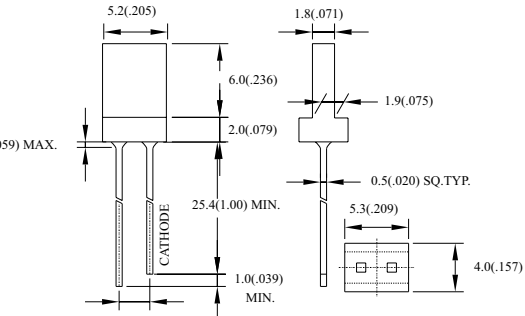
STANDARD LED LAMPS(RECTANGULAR TYPES)

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)		$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Peak (mA)	Vf (V)		Iv (mcd)					
									Typ	Max	Typ.					
1.0x5.0x 8.6mm 0.8" Lead Rectangular	BL-R1115	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.4	120	L-089			
	BL-R5115	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.8					
	BL-R4515	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	5.0					
	BL-R2115	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	5.0					
	BL-RX1115	GaAsP/GaP / Hi-Eff Green	568		30	80	30	150	2.2	2.6	8.0					
	BL-R3115	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	7.0					
	BL-R4115	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	8.0					
1.0x5.0x 8.6mm 1.0" Lead Rectangular	BL-R1135	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.8	120	L-090			
	BL-R5135	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.5					
	BL-R4535	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	8.0					
	BL-R2135	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	8.0					
	BL-RX1135	GaAsP/GaP / Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0					
	BL-R3135	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	7.0					
	BL-R4135	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	8.0					
1.0x5.0x 8.0mm 1.0" Lead Rectangular	BL-R1135A	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.8	120	L-091			
	BL-R5135A	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.5					
	BL-R4535A	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	8.0					
	BL-R2135A	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	8.0					
	BL-RX1135A	GaAsP/GaP / Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0					
	BL-R3135A	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	7.0					
	BL-R4135A	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	8.0					
1.0x4.9x 8.0mm 1.0" Lead Rectangular	BL-R1135B	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.8	120	L-092			
	BL-R5135B	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.5					
	BL-R4535B	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	8.0					
	BL-R2135B	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	8.0					
	BL-RX1135B	GaAsP/GaP / Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0					
	BL-R3135B	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	7.0					
	BL-R4135B	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	8.0					
1.9x6.0x 8.0mm 1.0" Lead Rectangular	BL-R1136	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.4	120	L-093			
	BL-R5136	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.6					
	BL-R4536	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	4.0					
	BL-R2136	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	4.0					
	BL-R3136	GaAsP/GaP/ Yellow	585		35	80	30	150	2.1	2.6	3.0					
	BL-R4136	GaAsP/GaP/ Orange	635	Orange Diffused	25	80	30	150	2.0	2.6	4.0					
	BL-R9136	GaP/GaP/ Pure Green	555	Green Diffused	30	80	30	150	2.2	2.6	0.4					
187x5.7x 6.8mm 1.0" Lead Rectangular	BL-R1136A	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.4	120	L-094			
	BL-R5136A	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.6					
	BL-R4536A	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	4.0					
	BL-R2136A	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	4.0					
	BL-R3136A	GaAsP/GaP/ Yellow	585		35	80	30	150	2.1	2.6	3.0					
	BL-R4136A	GaAsP/GaP / Orange	635	Orange Diffused	25	80	30	150	2.0	2.6	4.0					
	BL-R9136A	GaP/GaP/Pure Green	555	Green Diffused	30	80	30	150	2.2	2.6	0.4					
3.0x4.8x 7.0mm 1.0" Lead Rectangular	BL-R1137	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.4	120	L-095			
	BL-R5137	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.6					
	BL-R4537	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	4.0					
	BL-R2137	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	4.0					
	BL-R3137	GaAsP/GaP/ Yellow	585		35	80	30	150	2.1	2.6	3.0					
	BL-R4137	GaAsP/GaP/ Orange	635	Orange Diffused	25	80	30	150	2.0	2.6	4.0					
1.8x5.2 8.0mm 1.0" Lead Rectangular	BL-R1138	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	120	L-096			
	BL-R5138	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0					
	BL-R4538	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0					
	BL-R2138	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0					
	BL-R3138	GaAsP/GaP/ Yellow	585		35	80	30	150	2.1	2.6	6.0					

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.

L-089 BL-Rxx15 Series  Dimensions (mm): 5.0(.197), 4.0(.157), 4.6(.181), 1.0 ± 0.1(.04 ± .004), 19.8(.780), 1.0(.039) MIN., 2.54(.100) NOM., 1.5(.059) MAX., 4.4 ± 0.5(.17 ± .02), 2.7(.106), 1.0(.039), 0.5(.020) SQ.TYP., 5.1(.201), 2.8(.110).	L-090 BL-Rxx35 Series  Dimensions (mm): 5.0(.197), 4.0(.157), 4.6(.181), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.100) NOM., 1.5(.059) MAX., 2.7(.106), 1.0(.039), 0.5(.020) SQ.TYP., 5.1(.201), 2.8(.110).
L-091 BL-Rxx35A Series  Dimensions (mm): 5.0(.197), 3.6(.142), 4.4(.173), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.100) NOM., 1.5(.059) MAX., 1.0(.039), 0.5(.020) SQ.TYP., 5.1(.201), 2.8(.110).	L-092 BL-Rxx35B Series  Dimensions (mm): 4.9(.193), 3.5(.138), 4.5(.177), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.10) NOM., 1.5(.059) MAX., 0.5(.020) SQ.TYP., 2.8(.110), 1.0(.039), 3.0(.118), 5.0(.197), 3.0(.118).
L-093 BL-Rxx36 Series  Dimensions (mm): 5.9(.232), 2.3(.091), 2.7(.106), 5.3(.209), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.100) NOM., 0.7(.028), 1.5(.059) MAX., 2.8(.110), 1.9(.075), 4.5(.177), 0.5(.020) SQ.TYP., 6.0(.236), 3.0(.118).	L-094 BL-Rxx36A Series  Dimensions (mm): 5.7(.224), 2.2(.086), 2.85(.112), 5.15(.2023), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.100) NOM., 0.8(.031), 1.5(.059) MAX., 2.7(.106), 1.87(.073), 4.65(.183), 0.5(.020) SQ.TYP., 5.9(.232), 2.9(.114).
L-095 BL-Rxx37 Series  Dimensions (mm): 4.8(.188), 7.0(.275), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.100) NOM., 1.5(.059) MAX., 3.0(.118), 0.5(.020) SQ.TYP., 4.8(.188), 3.0(.118).	L-096 BL-Rxx38 Series  Dimensions (mm): 5.2(.205), 6.0(.236), 2.0(.079), 25.4(1.00) MIN., 1.0(.039) MIN., 2.54(.100) NOM., 1.5(.059) MAX., 1.8(.071), 1.9(.075), 0.5(.020) SQ.TYP., 5.3(.209), 4.0(.157).

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