



Standard LED Lamps BL-R, BL-C Series

Rectangular & Cylindrical 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			
8.0x8.0x 12.0mm 1.0" Lead Rectangular	BL-R1130G	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	1.0	140	L-105
	BL-R5130G	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.5		
	BL-R4530G	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	10.0		
	BL-R2130G	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	10.0		
	BL-RX1130G	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0		
	BL-R3130G	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	8.0		
	BL-R4130G	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	10.0		
5.0x5.0x 7.1mm 1.0" Lead Rectangula	BL-R1130N	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	150	L-106
	BL-R5130N	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0		
	BL-R4530N	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0		
	BL-R2130N	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0		
	BL-RX1130N	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0		
	BL-R3130N	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	6.0		
	BL-R4130N	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	7.0		
3.6x6.3x 6.8mm 1.0" Lead Rectangular	BL-R113P	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	1.2	120	L-107
	BL-R513P	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	2.0		
	BL-R453P	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	8.0		
	BL-R213P	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	8.0		
	BL-RX113P	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	11.0		
	BL-R313P	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	7.0		
	BL-R413P	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	8.0		
2.5x6.5x 7.6mm 1.0" Lead Rectangular	BL-R113Q-T	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	1.0	130	L-108
	BL-R513Q-T	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	2.0		
	BL-R453Q-T	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	10.0		
	BL-R213Q-T	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	10.0		
	BL-RX113Q-T	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	12.0		
	BL-R313Q-T	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	9.0		
	BL-R413Q-T	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	10.0		
3.6x3.6x 7.2mm 1.0" Lead Rectangular	BL-R113T	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	20	L-109
	BL-R513T	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0		
	BL-R453T	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	6.0		
	BL-R213T	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	6.0		
	BL-RX113T	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	8.0		
	BL-R313T	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	5.0		
	BL-R413T	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	6.0		
1.7x4.7x 4.75mm 1.0" Lead Rectangular	BL-R143Y	GaAsP/GaAs/ Red	655	Red Trans	40	80	40	200	1.7	2.0	4.0	100	L-110
	BL-R543Y	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	8.0		
	BL-R463Y	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	25.0		
	BL-R243Y	GaP/GaP/ Green	568	Green Trans	30	80	30	150	2.2	2.6	25.0		
	BL-RX143Y	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	30.0		
	BL-R343Y	GaAsP/GaP/ Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	23.0		
	BL-R443Y	GaAsP/GaP/ Orange	635	Orange Trans	45	80	30	150	2.0	2.6	25.0		
3.0x5.0x 8.4mm 1.0" Lead Rectangular	BL-R113W	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	120	L-111
	BL-R513W	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0		
	BL-R453W	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0		
	BL-R213W	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0		
	BL-R313W	GaP/GaP/ Hi-Eff Green	585	Yellow Diffused	35	80	30	150	2.1	2.6	6.0		
	BL-R413W	GaAsP/GaP/ Yellow	635	Orange Diffused	25	80	30	150	2.0	2.6	7.0		
Cyclindrical 0.5" Lead 4.5 ϕ	BL-C1121	GaAsP/GaAs/ Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.8	150	L-112
	BL-C5121	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.2		
	BL-C4521	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	9.0		
	BL-C2121	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	9.0		
	BL-C3121	GaP/GaP/ Hi-Eff Green	585	Yellow Diffused	35	80	30	150	2.1	2.6	8.0		

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.



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<p>L-105 BL-Rxx30G Series</p>	<p>L-106 BL-Rxx30N Series</p>
<p>L-107 BL-Rxx3P Series</p>	<p>L-108 BL-Rxx3Q-T Series</p>
<p>L-109 BL-Rxx3T Series</p>	<p>L-110 BL-Rxx3Y Series</p>
<p>L-111 BL-Rxx3W Series</p>	<p>L-112 BL-Cxx21 Series</p>

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