



# Standard LED Lamps Rectangular & Cylindrical

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.		
8.0x8.0x12.0mm 1.0" Lead Rectangular	BL-R5130G	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	1.5	140	L-112
	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			
5.0x5.0x7.1mm 1.0" Lead Rectangular	BL-R5130N	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	1.0	150	L-113
	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			
3.7x6.3x6.8mm 1.0" Lead Rectangular	BL-R513P	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	2.0	120	L-114
	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			
2.5x6.5x7.6mm 1.0" Lead Rectangular	BL-R513Q-T	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	2.0	130	L-115
	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			
3.6x3.6x7.2mm 1.0" Lead Rectangular	BL-R513T	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	1.0	120	L-116
	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			
1.7x4.7x4.75mm 1.0" Lead Rectangular	BL-R543Y	GaP/GaP/ Bright Red	700	Red Trans	90	40	15	50	2.2	2.6	8.0	100	L-117
	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			
3.0x5.0x8.4mm 1.0" Lead Rectangular	BL-R513W	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	1.0	120	L-118
	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		
Cylindrical 0.5" Lead 4.5φ	BL-C5121	GaP/GaP/ Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	1.2	150	L-119
	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. 2θ 1/2 The off-axis angle at which the luminous intensity is half the axial luminous intensity.



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L-112 BL-Rxx30G Series	L-113 BL-Rxx30N Series
L-114 BL-Rxx3P Series	L-115 BL-Rxx3Q-T Series
L-116 BL-Rxx3T Series	L-117 BL-Rxx3Y Series
L-118 BL-Rxx3W Series	L-119 BL-Cxx21 Series

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