



Standard LED Lamps BL-R Series

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)		Δ λ (nm)	Pd (mw)	If (mA)	Peak (mA)	Vf (V)		Iv (mcd)		
									Typ	Max			
1.8x5.0x 5.2mm 1.0" Lead Rectangular	BL-R1138A	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.5	125	L-097
	BL-R5138A	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.8		
	BL-R4538A	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	6.0		
	BL-R2138A	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	6.0		
	BL-RX1138A	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	8.0		
	BL-R3138A	GaAsP/GaP/ Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	5.0		
BL-R4138A	GaAsP/GaP/ Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	6.0			
1.9x5.4x 9.0mm 1.0" Lead Rectangular	BL-R1138B	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	125	L-098
	BL-R5138B	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.9		
	BL-R4538B	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	6.5		
	BL-R2138B	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	6.5		
	BL-RX1138B	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	8.5		
	BL-R3138B	GaAsP/GaP / Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	5.5		
BL-R4138B	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	6.5			
1.9x5.3x 8.0mm 1.0" Lead Rectangular	BL-R1138C	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	125	L-099
	BL-R5138C	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.9		
	BL-R4538C	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	6.5		
	BL-R2138C	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	6.5		
	BL-RX1138C	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	8.5		
	BL-R3138C	GaAsP/GaP / Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	5.5		
BL-R4138C	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	6.5			
2.5x7.0x 7.8mm 1.0" Lead Rectangular	BL-R1139-T	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	3.0	130	L-100
	BL-R5139-T	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	5.0		
	BL-R4539-T	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	12.0		
	BL-R2139-T	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	12.0		
	BL-RX1139-T	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	15.0		
	BL-R3139-T	GaAsP/GaP / Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	13.0		
BL-R4139-T	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	12.0			
2.3x7.0x 7.0mm 1.0" Lead Rectangular	BL-R1139A	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	1.2	130	L-101
	BL-R5139A	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	2.0		
	BL-R4539A	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0		
	BL-R2139A	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0		
	BL-RX1139A	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0		
	BL-R3139A	GaAsP/GaP / Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	6.0		
BL-R4139A	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	10.0			
4.0x7.0x 9.5mm 1.0" Lead Rectangular	BL-R1139B	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.4	120	L-102
	BL-R5139B	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	0.6		
	BL-R4539B	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0		
	BL-R2139B	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0		
	BL-RX1139B	GaP/GaP/ Hi-Eff Green	568		30	80	30	150	2.2	2.6	10.0		
	BL-R3139B	GaAsP/GaP / Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	6.0		
BL-R4139B	GaAsP/GaP / Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	7.0			
5.0x5.0x 7.1mm 1.0" Lead Rectangular	BL-R1130	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	150	L-103
	BL-R5130	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0		
	BL-R4530	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0		
	BL-R2130	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0		
	BL-R3130	GaAsP/GaP / Yellow	585		Yellow Diffused	35	80	30	150	2.1	2.6		
	BL-R4130	GaAsP/GaP / Orange	635	Orange Diffused	25	80	30	150	2.0	2.6	7.0		
5.0x5.0 9.5mm 1.0" Lead Rectangular	BL-R1130A-T	GaAsP/GaAs/Red	655	Red Diffused	40	80	40	200	1.7	2.0	0.6	150	L-104
	BL-R5130A-T	GaP/GaP/ Bright Red	700		90	40	15	50	2.2	2.6	1.0		
	BL-R4530A-T	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	7.0		
	BL-R2130A-T	GaP/GaP/ Green	568	Green Diffused	30	80	30	150	2.2	2.6	7.0		
	BL-R3130A-T	GaAsP/GaP/ Yellow	585		Yellow Diffused	35	80	30	150	2.1	2.6		

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

2.Trans / Transparent.

3.2 $\theta_{1/2}$ The off-axis angle at which the luminous intensity is half the axial luminous intensity.



L-097 BL-Rxx38A Series	L-098 BL-Rxx38B Series
L-099 BL-Rxx38C Series	L-100 BL-Rxx39-T Series
L-101 BL-Rxx39A Series	L-102 BL-Rxx39B Series
L-103 BL-Rxx30 Series	L-104 BL-Rxx30A-T Series

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