



Package	Part No.	Chip		Lens Appearance	Absolute Maximum Ratings				Electro-Optical Data (At 10mA)			Viewing Angle 2θ 1/2 (deg)	Drawing No.
		Emitted Color	Peak Wave Length λp(nm)		Δλ (nm)	Pd (mw)	If(mA)	Peak If(mA)	Vf(V)		Iv Typ. (mcd)		
									Typ.	Max.			
1.0 x 5.0mm 0.8" Lead Rectangular Flangeless	BL-R1115	Red	655	Red Diffused	40	110	40	200	1.7	2.0	0.4	120	L-26
	R5115	Bright Red	700	Red Diffused	90	50	15	50	2.1	2.6	0.5	120	
	R4115R	Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	1.0	120	
	R2115	Green	568	Green Diffused	30	100	30	150	2.1	2.6	1.0	120	
	R3115	Yellow	585	Yellow Diffused	35	90	30	150	2.1	2.6	0.8	120	
	R4115	Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	1.0	120	
1.0 x 5.0mm 1" Lead High Performance Rectangular	BL-R1135	Red	655	Red Diffused	40	110	40	200	1.7	2.0	0.6	120	L-27
	R5135	Bright Red	700	Red Diffused	90	50	15	50	2.1	2.6	0.8	120	
	R4135R	Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	1.2	120	
	R2135	Green	568	Green Diffused	30	100	30	150	2.1	2.6	1.2	120	
	R3135	Yellow	585	Yellow Diffused	35	90	30	150	2.1	2.6	1.0	120	
	R4135	Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	1.2	120	
2.5 x 7.0mm 1" Lead Rectangular	BL-R1139	Red	655	Red Diffused	40	110	40	200	1.7	2.0	0.7	130	L-28
	R5139	Bright Red	700	Red Diffused	90	50	15	50	2.1	2.6	0.9	130	
	R4139R	Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	1.4	130	
	R2139	Green	568	Green Diffused	30	100	30	150	2.1	2.6	1.4	130	
	R3139	Yellow	585	Yellow Diffused	35	90	30	150	2.1	2.6	1.2	130	
	R4139	Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	1.4	130	
5.0 x 5.0mm 0.8" Lead Rectangular	BL-R1110	Red	655	Red Diffused	40	110	40	200	1.7	2.0	0.4	150	L-29
	R5110	Bright Red	700	Red Diffused	90	50	15	50	2.1	2.6	0.5	150	
	R4110R	Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	1.0	150	
	R2110	Green	568	Green Diffused	30	100	30	150	2.1	2.6	1.0	150	
	R3110	Yellow	585	Yellow Diffused	35	90	30	150	2.1	2.6	0.8	150	
	B4110	Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	1.0	150	
5.0 x 5.0mm 1" Lead High Performance Rectangular	BL-R1130	Red	655	Red Diffused	40	110	40	200	1.7	2.0	0.6	150	L-30
	R5130	Bright Red	700	Red Diffused	90	50	15	50	2.1	2.6	0.8	150	
	R4130R	Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	1.2	150	
	R2130	Green	568	Green Diffused	30	100	30	150	2.1	2.6	1.2	150	
	R3130	Yellow	585	Yellow Diffused	35	90	30	150	2.1	2.6	1.0	150	
	R4130	Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	1.2	150	
5.0 x 5.0mm 1" Lead High Performance Rectangular Flangeless	BL-R1130N	Red	655	Red Diffused	40	110	40	200	1.7	2.0	0.6	150	L-31
	R5130N	Bright Red	700	Red Diffused	90	50	15	50	2.1	2.6	0.8	150	
	R4130NR	Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	1.2	150	
	R2130N	Green	568	Green Diffused	30	100	30	150	2.1	2.6	1.2	150	
	R3130N	Yellow	585	Yellow Diffused	35	90	30	150	2.1	2.6	1.0	150	
	R4130N	Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	1.2	150	

Remark: • Hi-Eff Red - High Efficiency Red
• Trans - Transparent
• $2\theta_{1/2}$ is THE Off-axis angle at which the luminous intensity is half the axial luminous intensity

PACKAGE DIMENSIONS

NOTES

1. All Dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ ($.010''$) unless otherwise specified.
3. Protuded resin under flange is 1.5mm ($.059''$) max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

