



AXIAL LED LAMPS WITH / Z / LEAD



BL-Xxx61-F9 Series

Top View Dimensions:
 Lead length: 0.4 ± 0.03 ($.016 \pm 0.001$)
 Lens diameter: 5.84 ($.230$) MAX.
 Anode length: 0.5 ± 0.03 ($.020 \pm 0.001$)

Side View Dimensions:
 Total height: 2.70 ± 0.1 ($.106 \pm 0.004$)
 Lens height: 1.35 ± 0.5 ($.053 \pm 0.002$)
 Lead height: 0.20 ($.008$)
 Lens diameter: 2.1 ± 0.2 ($.08 \pm 0.008$)
 Lead diameter: 0.65 ($.026$)
 Lens diameter (bottom): 4.32 ($.170$)
 Lead diameter (bottom): 2.20 ± 0.2 ($.087 \pm 0.002$)
 Lead diameter (top): 2.20 ± 0.2 ($.087 \pm 0.002$)
 Lead diameter (middle): 0.83 ($.033$)

NOTE:
 1. All dimensions are in millimeters (inches).
 2. Tolerance is ± 0.25 (.010") unless otherwise specified.
 3. Specifications are subject to change without notice.

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	UNIT	SPEC.
IF	mA	30
IFp	mA	100
V _R	V	5
Top	°C	-25~+80
T _{stg}	°C	-30~+85

Part No.	Chip				Lens Appearance	Electro-optical Data (At 20mA)				Viewing Angle $2\theta_{1/2}$ (deg)
	Material	Emitted Color	λ_p (nm)	$\Delta\lambda$ (nm)		V _f (V)		I _v (mcd)		
						Typ.	Max.	Min.	Typ.	
BL-X1161-F9	GaAsP/GaAs	Red	655	40	Red Diffused	1.7	2.0	0.8	2.0	55
BL-X2161-F9	GaP/GaP	Green	568	30	Green Diffused	2.2	2.6	3.0	7.0	
BL-X3161-F9	GaAsP/GaP	Yellow	585	35	Yellow Diffused	2.1	2.6	1.5	4.0	
BL-X4561-F9	GaAsP/GaP	Hi-Eff Red	635	45	Red Diffused	2.0	2.6	2.5	6.0	
BL-X5161-F9	GaP/GaP	Bright Red	700	90	Red Diffused	2.2	2.6	1.2	3.0	
BL-X6161-F9	GaAlAs	Super Red	660	20	Red Diffused	1.7	2.6	6.0	15.0	
BL-X2361-F9	GaP/GaP	Green	568	30	Water Clear	2.2	2.6	18.0	45.0	35
BL-X3361-F9	GaAsP/GaP	Yellow	585	35	Water Clear	2.1	2.6	12.0	30.0	
BL-X4361-F9	GaAsP/GaP	Orange	635	45	Water Clear	2.0	2.6	16.0	40.0	
BL-X6361-F9	GaAlAs	Super Red	660	20	Water Clear	1.7	2.6	24.0	60.0	
BL-X9361-F9	GaP/GaP	Pure Green	555	25	Water Clear	2.2	2.6	6.0	15.0	
BL-XJ361-F9	AlGaInP	Super Orange	620	17	Water Clear	2.0	2.6	60.0	150.0	
BL-XK361-F9	AlGaInP	Super Yellow	588	15	Water Clear	2.0	2.6	60.0	150.0	