

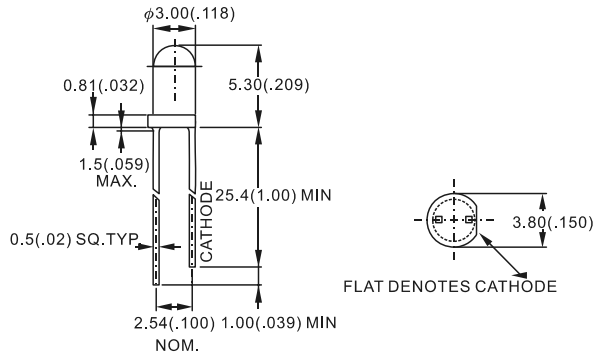
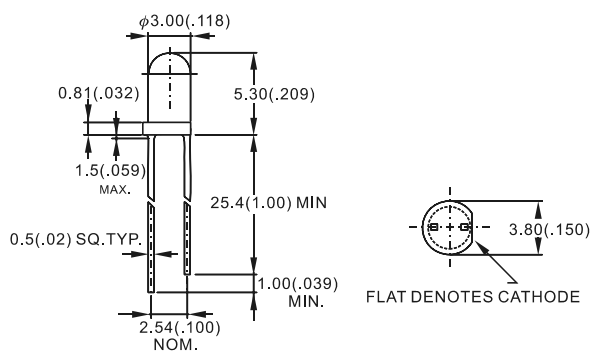
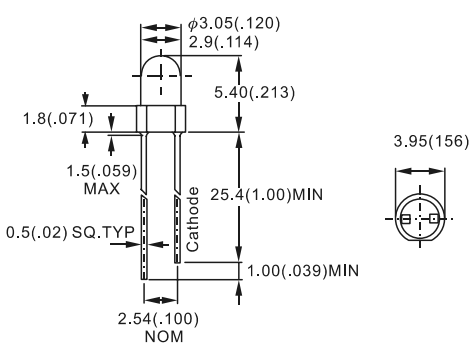
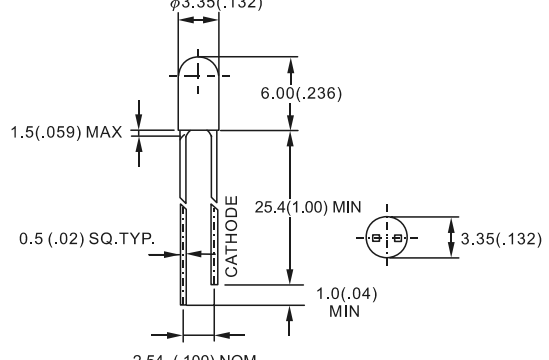
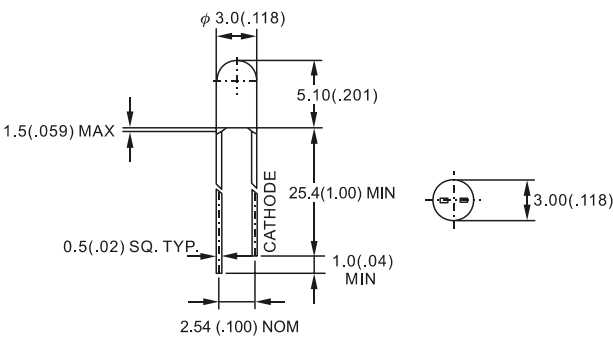
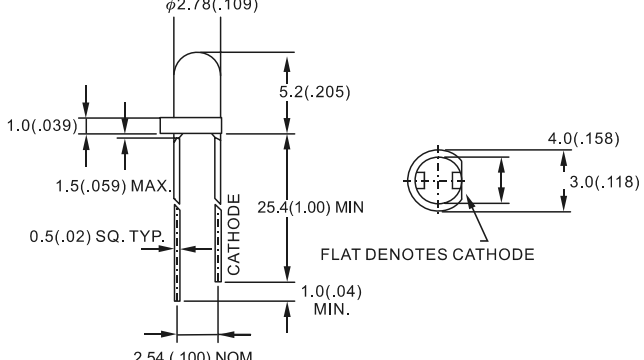
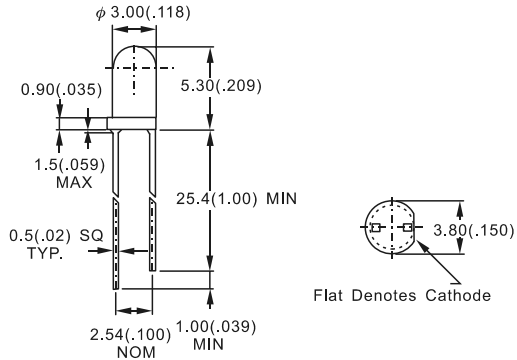
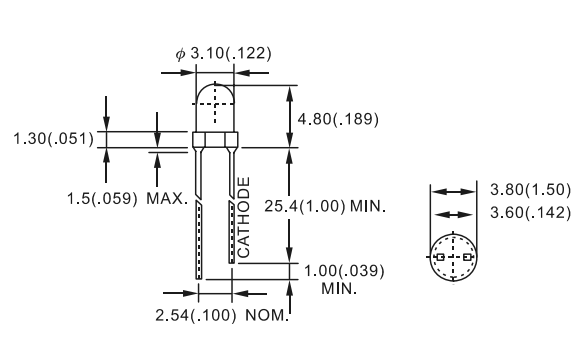


STANDARD LED LAMPS (ROUND TYPES)

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.		
T-1 Standard 1.0" Lead 3 φ	BL-B4541	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	40.0	35	L-005
	BL-B2141	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	40.0		
	BL-B3141	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30.0		
	BL-B2441	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	80.0	30	
	BL-B3441	GaAsP/GaP/Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	65.0		
	BL-B2341	GaP/GaP/Green	568	Water Clear	30	80	30	150	2.2	2.6	80.0		
	BL-BX1341	GaP/GaP/Hi-Eff Green	568		35	80	30	150	2.1	2.6	120.0		
T-1 Standard 1.0" Lead 3 φ	BL-B45V1	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	40	35	L-006
	BL-B21V1	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	40		
	BL-B31V1	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30		
	BL-B24V1	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	80	30	
	BL-B34V1	GaAsP/GaP/Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	65		
	BL-B43V1	GaAsP/GaP/Hi-Eff Red	635	Water Clear	45	80	30	150	2.0	2.6	80		
	BL-BX13V1	GaP/GaP/Hi-Eff Green	568		35	80	30	150	2.1	2.6	120		
T-1 1.0" Lead 3 φ	BL-B45V1G	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	40	35	L-007
	BL-B21V1G	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	40		
	BL-B31V1G	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30		
	BL-B24V1G	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	80	30	
	BL-B34V1G	GaAsP/GaP/Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	65		
	BL-B43V1G	GaAsP/GaP/Hi-Eff Red	635	Water Clear	45	80	30	150	2.0	2.6	80		
	BL-BX13V1G	GaP/GaP/Hi-Eff Green	568		35	80	30	150	2.1	2.6	120		
1.0 Lead High Flangeless 3.4 φ	BL-B51V1H	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	13.0	30	L-008
	BL-B45V1H	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	40.0		
	BL-B21V1H	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	50.0		
	BL-B31V1H	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30.0	25	
	BL-B24V1H	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	100		
	BL-B46V1H	GaAsP/GaP/Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	100		
T-1 1.0 Lead High Flangeless 3.0 φ	BL-B51V1J	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	13.0	35	L-009
	BL-B45V1J	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	40.0		
	BL-B21V1J	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	50.0		
	BL-B31V1J	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30.0	30	
	BL-B24V1J	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.0	2.6	100		
T-1 1.0 Lead 3.0 φ	BL-B43V1M	GaAsP/GaP/Hi-Eff Red	635	Water Clear	45	80	30	150	2.0	2.6	100	15	L-010
	BL-B23V1M	GaP/GaP/Green	568		30	80	30	150	2.0	2.6	100		
	BL-B33V1M	GaAsP/GaP/Yellow	585	35	80	30	150	2.1	2.6	30			
	BL-B44V1M	GaAsP/GaP/Hi-Eff Red	635	Orange Trans	45	80	30	150	2.0	2.6	100	100	
	BL-B24V1M	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.0	2.6			
T-1 1.0 Lead 3.0 φ	BL-B2141P	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	35	40	L-011
	BL-B3141P	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30		
	BL-B4541P	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	35		
	BL-B2341P	GaP/GaP/Green	568	Water Clear	30	80	30	150	2.2	2.6	80	30	
	BL-B3341P	GaAsP/GaP/Yellow	585		35	80	30	150	2.1	2.6	60		
	BL-B4341P	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	80		
T-1 Standard 1.0 Lead 3.1 φ	BL-B4541Q	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	60.0	40	L-012
	BL-B2141Q	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	60.0		
	BL-B3141Q	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	50.0		
	BL-B4141Q	GaAsP/GaP/Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	60.0	35	
	BL-B3341Q	GaAsP/GaP/Yellow	585	Water Clear	35	80	30	150	2.1	2.6	90.0		
	BL-B2341Q	GaP/GaP/Green	568		30	80	30	150	2.2	2.6	110.0		
	BL-BX1341Q	GaP/GaP/Hi-Eff Green	568		30	80	30	150	2.1	2.6	150.0		

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.

STANDARD LED LAMPS (ROUND TYPES)

L-005 BL-Bxx41 Series	L-006 BL-BxxV1 Series
 <p>Technical drawing of BL-Bxx41 Series LED lamp. Side view dimensions: diameter $\phi 3.00(.118)$, height $5.30(.209)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.80(.150)$. Top view shows a diameter of $3.80(.150)$. A flat surface denotes the cathode. Other dimensions include $0.81(.032)$, $0.5(.02)$ SQ. TYP., and $1.00(.039)$ MIN.</p>	 <p>Technical drawing of BL-BxxV1 Series LED lamp. Side view dimensions: diameter $\phi 3.00(.118)$, height $5.30(.209)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.80(.150)$. Top view shows a diameter of $3.80(.150)$. A flat surface denotes the cathode. Other dimensions include $0.81(.032)$, $0.5(.02)$ SQ. TYP., and $1.00(.039)$ MIN.</p>
L-007 BL-BxxV1G Series	L-008 BL-BxxV1H Series
 <p>Technical drawing of BL-BxxV1G Series LED lamp. Side view dimensions: diameter $\phi 3.05(.120)$, height $5.40(.213)$, max height $1.8(.071)$, cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.95(.156)$. Top view shows a diameter of $3.95(.156)$. A flat surface denotes the cathode. Other dimensions include $1.5(.059)$ MAX. and $0.5(.02)$ SQ. TYP.</p>	 <p>Technical drawing of BL-BxxV1H Series LED lamp. Side view dimensions: diameter $\phi 3.35(.132)$, height $6.00(.236)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.35(.132)$. Top view shows a diameter of $3.35(.132)$. A flat surface denotes the cathode. Other dimensions include $0.5(.02)$ SQ. TYP. and $1.0(.04)$ MIN.</p>
L-009 BL-BxxV1J Series	L-010 BL-BxxV1M Series
 <p>Technical drawing of BL-BxxV1J Series LED lamp. Side view dimensions: diameter $\phi 3.0(.118)$, height $5.10(.201)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.00(.118)$. Top view shows a diameter of $3.00(.118)$. A flat surface denotes the cathode. Other dimensions include $0.5(.02)$ SQ. TYP. and $1.0(.04)$ MIN.</p>	 <p>Technical drawing of BL-BxxV1M Series LED lamp. Side view dimensions: diameter $\phi 2.78(.109)$, height $5.2(.205)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.00(.118)$. Top view shows a diameter of $3.00(.118)$. A flat surface denotes the cathode. Other dimensions include $1.0(.039)$, $0.5(.02)$ SQ. TYP., and $1.0(.04)$ MIN.</p>
L-011 BL-Bxx41P Series	L-012 BL-Bxx41Q Series
 <p>Technical drawing of BL-Bxx41P Series LED lamp. Side view dimensions: diameter $\phi 3.00(.118)$, height $5.30(.209)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.80(.150)$. Top view shows a diameter of $3.80(.150)$. A flat surface denotes the cathode. Other dimensions include $0.90(.035)$, $0.5(.02)$ SQ. TYP., and $1.00(.039)$ MIN.</p>	 <p>Technical drawing of BL-Bxx41Q Series LED lamp. Side view dimensions: diameter $\phi 3.10(.122)$, height $4.80(.189)$, max height $1.5(.059)$ MAX., cathode length $25.4(1.00)$ MIN., base width $2.54(.100)$ NOM., and cathode diameter $3.80(.150)$. Top view shows a diameter of $3.80(.150)$. A flat surface denotes the cathode. Other dimensions include $1.30(.051)$, $0.5(.02)$ SQ. TYP., and $1.00(.039)$ MIN.</p>

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

STANDARD LED LAMPS (ROUND TYPES)

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.		
T-1 1.0" Lead 3.55 φ	BL-B51V1T	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	6.0	35	L-013
	BL-B45V1T	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	70.0		
	BL-B21V1T	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	70.0		
	BL-B31V1T	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	60.0	30	
	BL-B24V1T	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	120.0		
	BL-B34V1T	GaAsP/GaP/Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	100.0		
Standard 1.0" Lead 4.0 φ	BL-B5132	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	12.0	55	L-014
	BL-B4532	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	70.0		
	BL-B2132	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	70.0		
	BL-B3132	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	60.0	35	
	BL-B4132	GaAsP/GaP/Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	70.0		
	BL-B4632	GaAsP/GaP/Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	120.0		
Medium Profile Flangeless 1.0" Lead 4.7 φ	BL-B4533	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	80.0	40	L-015
	BL-B2133	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0		
	BL-B3133	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0		
	BL-B4133	GaAsP/GaP/Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	80.0	30	
	BL-B3333	GaAsP/GaP/Yellow	585	Water Clear	35	80	30	150	2.1	2.6	100.0		
	BL-B2333	GaP/GaP/Green	568		30	80	30	150	2.2	2.6	130.0		
	BL-B4333	GaAsP/GaP/Orange	635		45	80	30	150	2.0	2.6	130.0		
1.0" Lead 4.8 φ	BL-B5134B	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	4.0	30	L-016
	BL-B4534B	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	25.0		
	BL-B2134B	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	25.0		
	BL-B3134B	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	20	20	
	BL-B2434B	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	100		
	BL-B4634B	GaAsP/GaP/Orange	635	Red Trans	45	80	30	150	2.0	2.6	100		
Medium Profile Flangeless 1.0" Lead 4.8 φ	BL-B5133N	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	25.0	40	L-017
	BL-B4533N	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	80.0		
	BL-B2133N	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0		
	BL-B3133N	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0	35	
	BL-B2433N	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	130.0		
	BL-B3433N	GaAsP/GaP/Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	100.0		
T-13/4 Standard 0.8" Lead 5.0 φ	BL-B5114	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	6.0	45	L-018
	BL-B4114	GaAsP/GaP/Orange	635		45	80	30	150	2.0	2.6	50.0		
	BL-B2114	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	50.0		
	BL-B3114	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	40.0	35	
	BL-B2414	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.0	2.6	55.0		
	BL-B4614	GaAsP/GaP/Hi-Eff Red	635	Red Trans	45	80	30	150	2.0	2.6	55.0		
T-13/4 Standard 0.5" Lead 5.0 φ	BL-B4524	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	25.0	40	L-019
	BL-B2124	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	25.0		
	BL-B3124	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	20.0		
	BL-B4124	GaAsP/GaP/Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	25.0	30	
	BL-B2424	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.2	2.6	65.0		
	BL-B3424	GaAsP/GaP/Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	50.0		
	BL-B2324	GaP/GaP/Green	568	Water Clear	30	80	30	150	2.2	2.6	65.0		
T-13/4 Standard 1.0" Lead 5.0 φ	BL-B5134	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	12.0	35	L-020
	BL-B4534	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	80.0		
	BL-B2134	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0		
	BL-B3134	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0	12	
	BL-B2434	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.0	2.6	200		
	BL-B4634	GaAsP/GaP/Yellow	635	Red Trans	45	80	30	150	2.0	2.6	200		

STANDARD LED LAMPS (ROUND TYPES)

L-013 BL-BxxV1T Series	L-014 BL-Bxx32 Series
L-015 BL-Bxx33 Series	L-016 BL-Bxx34B Series
L-017 BL-Bxx33N Series	L-018 BL-Bxx14 Series
L-019 BL-Bxx24 Series	L-020 BL-Bxx34 Series

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

STANDARD LED LAMPS (ROUND TYPES)

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.		
T1 3/4 Wide Viewing Angle 1.0" Lead 5.0φ	BL-B4534G-1	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	65.0	45	L-021
	BL-B2134G-1	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	65.0		
	BL-B3134G-1	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	60.0		
	BL-B4134G-1	GaAsP/GaP/Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	65.0		
	BL-B3334G-1	GaAsP/GaP/Yellow	585	Water Clear	35	80	30	150	2.1	2.6	140.0	20	
	BL-B2334G-1	GaP/GaP/Green	568		30	80	30	150	2.2	2.6	150.0		
	BL-B4334G-1	GaAsP/GaP/Orange	635		45	80	30	150	2.0	2.6	150.0		
T1 3/4 Wide Viewing Angle 1.0" Lead 5.0φ	BL-B4534J	GaAsP/GaP/Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	65.0	40	L-022
	BL-B2134J	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	65.0		
	BL-B3134J	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	60.0		
	BL-B4134J	GaAsP/GaP/Orange	635	Orange Diffused	45	80	30	150	2.0	2.6	65.0		
	BL-B3334J	GaAsP/GaP/Yellow	585	Water Clear	35	80	30	150	2.1	2.6	120.0	20	
	BL-B2334J	GaP/GaP/Green	568		30	80	30	150	2.2	2.6	140.0		
	BL-B4334J	GaAsP/GaP/Orange	635		45	80	30	150	2.0	2.6	140.0		
T1 3/4 Flangeless 1.0" Lead 5.0φ	BL-B5134N	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	13.0	40	L-023
	BL-B4534N	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	80.0		
	BL-B2134N	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	80.0		
	BL-B3134N	GaAsP/GaP/Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	70.0		
	BL-B2434N	GaP/GaP/Green	568	Green Trans	30	80	30	150	2.0	2.6	140.0	20	
	BL-B4334N	GaAsP/GaP/Orange	635	Water Clear	45	80	30	150	2.0	2.6	140.0		
T1 3/4 Flangeless 1.0" Lead 5.0φ	BL-B5134Q	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	5.0	50	L-024
	BL-B4534Q	GaAsP/GaP/Hi-Eff Red	635		45	80	30	150	2.0	2.6	55		
	BL-B2134Q	GaP/GaP/Green	568	Green Diffused	30	80	30	150	2.2	2.6	55		

STANDARD LED LAMPS (ROUND TYPES)

L-021 BL-Bxx34G-1 Series	L-022 BL-Bxx34J Series
<p>Technical drawing of the BL-Bxx34G-1 Series LED lamp. The side view shows a diameter of $\phi 5.0(.197)$ mm. The total height is 8.62(.339) mm. The top section has a height of 1.0(.04) mm. The maximum height of the top section is 1.5(.059) mm. The height of the main body is 25.4(1.00) mm. The height of the cathode section is 1.0(.04) mm. The bottom section has a height of 0.5(.02) mm, which is square (SQ. TYP.). The bottom diameter is 2.54(.100) mm. The end view shows a diameter of 5.7(.22) mm. A note indicates 'FLAT DENOTES CATHODE'.</p>	<p>Technical drawing of the BL-Bxx34J Series LED lamp. The side view shows a diameter of $\phi 5.00(.197)$ mm. The total height is 8.70(.343) mm. The top section has a height of 1.00(.039) mm. The maximum height of the top section is 1.5(.059) mm. The height of the main body is 25.4(1.00) mm. The height of the cathode section is 1.0(.039) mm. The bottom section has a height of 0.50(.020) mm, which is square (SQ. TYP.). The bottom diameter is 2.54(.100) mm. The end view shows a diameter of 5.80(.228) mm. A note indicates 'FLAT DENOTES CATHODE'.</p>
L-023 BL-Bxx34N Series	L-024 BL-Bxx34Q Series
<p>Technical drawing of the BL-Bxx34N Series LED lamp. The side view shows a diameter of $\phi 5.0(.197)$ mm. The total height is 8.80(.346) mm. The top section has a height of 1.50(.059) mm. The height of the main body is 25.4(1.00) mm. The height of the cathode section is 1.0(.01) mm. The bottom section has a height of 0.5(.02) mm, which is square (SQ. TYP.). The bottom diameter is 2.54(.100) mm. The end view shows a diameter of 5.0(.197) mm. A note indicates 'FLAT DENOTES CATHODE'.</p>	<p>Technical drawing of the BL-Bxx34Q Series LED lamp. The side view shows a diameter of $\phi 5.10(.200)$ mm. The total height is 7.6(.299) mm. The top section has a height of 1.0(.04) mm. The maximum height of the top section is 1.5(.059) mm. The height of the main body is 25.4(1.00) mm. The height of the cathode section is 1.0(.04) mm. The bottom section has a height of 0.5(.02) mm, which is square (SQ. TYP.). The bottom diameter is 2.54(.100) mm. The end view shows a diameter of 5.60(.220) mm. A note indicates 'FLAT DENOTES CATHODE'.</p>

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