



# Ultra Bright 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			
T-1 Standard 1.0" Lead 3φ	BL-BS03V1	GaAlAs/ SH Super Red	660	Water Clear	20	60	30	150	1.7	2.6	300	30	L-009
	BL-BF03V1	GaAlAs/ DDH Super Red	660		20	65	30	150	2.0	2.6	500		
	BL-BU03V1	InGaAlP/ Ultra Red	645		20	65	30	150	2.0	2.6	400		
	BL-BG33V1	InGaAlP/ Ultra Green	575		30	75	30	150	2.2	2.6	350		
	BL-BG43V1	InGaN/SiC/ Ultra Green	505		30	110	30	100	3.5	4.0	600		
	BL-BJ03V1	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	800		
	BL-BK33V1	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	900		
T-1 1.0" Lead 3φ	BL-BD03V1G	GaAlAs/ DH Super Red	660	Water Clear	20	60	30	150	1.7	2.6	300	30	L-010
	BL-BF13V1G	GaAlAs/ DDH Super Red	660		20	65	30	150	2.0	2.6	500		
	BL-BU13V1G	InGaAlP/ Ultra Red	645		20	65	30	150	2.0	2.6	400		
	BL-BG23V1G	InGaAlP/ Super Green	562		30	75	30	150	2.2	2.6	350		
	BL-BJ13V1G	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	600		
	BL-BJ23V1G	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	800		
	BL-BK43V1G	InGaAlP/ Ultra Yellow	590		15	75	30	150	2.2	2.6	900		
T-1 Narrow Viewing 1.0" Lead 3φ	BL-BD03V1M	GaAlAs/ DH Super Red	660	Water Clear	20	60	30	150	1.7	2.6	600	15	L-011
	BL-BF43V1M	GaAlAs/ DDH Super Red	660		20	65	30	150	2.0	2.6	1000		
	BL-BU23V1M	InGaAlP/ Ultra Red	645		20	65	30	150	2.0	2.6	800		
	BL-BG43V1M	InGaN/SiC/ Ultra Green	505		30	110	30	100	3.5	4.0	700		
	BL-BJ33V1M	InGaAlP/ Ultra Orange	630		17	75	30	150	2.2	2.6	1200		
	BL-BJ53V1M	InGaAlP/ Soft Orange	610		17	65	30	150	2.0	2.6	1200		
	BL-BK63V1M	InGaAlP/ Ultra Yellow	595		15	75	30	150	2.2	2.6	1400		
T-1 1.0" Lead 3φ	BL-BS03V5D	GaAlAs/ SH Super Red	660	Water Clear	20	60	30	150	1.7	2.6	300	30	L-012
	BL-BD03V5D	GaAlAs/ DH Super Red	660		20	60	30	150	1.7	2.6	500		
	BL-BF43V5D	GaAlAs/ DDH Super Red	660		20	65	30	150	2.0	2.6	400		
	BL-BU03V5D	InGaAlP/ Ultra Red	645		20	65	30	150	2.0	2.6	350		
	BL-BG33V5D	InGaAlP/ Ultra Green	575		30	75	30	150	2.2	2.6	600		
	BL-BJ03V5D	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	800		
	BL-BK3V5D	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	900		
T-1 3/4 Standard 1.0"Lead 5φ	BL-BD03J4	GaAlAs/ DH Super Red	660	Water Clear	20	60	30	150	1.7	2.6	550	12	L-013
	BL-BG33J4	InGaAlP/ Ultra Green	575		30	75	30	150	2.2	2.6	800		
	BL-BG43J4	InGaN/SiC/ Ultra Green	505		30	110	30	100	3.5	4.0	1800		
	BL-BG63J4	InGaN/SiC/ Ultra Green	525		36	110	30	150	3.5	4.0	1300		
	BL-BK23J4	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	2000		
	BL-BK33J4	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	2200		
	BL-BD03J4G-1	GaAlAs/ DH Super Red	660		20	60	30	150	1.7	2.6	450		
T-1 3/4 Standard 1.0"Lead 5φ	BL-BG43J4G-1	InGaN/SiC/ Ultra Green	505	Water Clear	30	110	30	100	3.5	4.0	1500	20	L-014
	BL-BU13J4G-1	InGaAlP/ Ultra Red	645		20	65	30	150	2.0	2.6	550		
	BL-BJ13J4G-1	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	1800		
	BL-BK23J4G-1	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	1800		
	BL-BK33J4G-1	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	1800		
	BL-BF43R4G-1	GaAlAs/ DDH Super Red	660		20	65	30	150	2.0	2.6	1200		
	BL-BD03J7M	GaAlAs/ DDH Super Red	660		20	60	30	150	1.7	2.6	1500		
T-1 3/4 Narrow Viewing 1.0"Lead 5φ	BL-BF43R7M	GaAlAs/ DDH Super Red	660	Water Clear	20	65	30	150	2.0	2.6	4000	8	L-015
	BL-BJ13J7M	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	3500		
	BL-BJ53J7M	InGaAlP/ Soft-Orange	610		17	65	30	150	2.0	2.6	4000		
	BL-BK33J7M	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	4500		
	BL-BK63J7M	InGaAlP/ Ultra Yellow	595		17	65	30	150	2.0	2.6	7000		
	BL-WD03J4	GaAlAs/ DH Super Red	660		20	60	30	150	1.7	2.6	350		
	BL-WG33J4	InGaAlP/ Ultra Green	575		30	75	30	150	2.2	2.6	400		
4.3x5.1x 7.3mm 1.0" Lead Oval	BL-WU13J4	InGaAlP/ Ultra Red	645	Water Clear	20	65	30	150	2.0	2.6	500	X-X 35 Y-Y 25	L-016
	BL-WJ13J4	InGaAlP/ Ultra Orange	620		17	65	30	150	2.0	2.6	1700		
	BL-WK33J4	InGaAlP/ Ultra Yellow	590		15	65	30	150	2.0	2.6	1800		

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.

LMP-08



# Ultra Bright LED Lamps Round Types

L-009 BL-BxxV1 Series	L-010 BL-BxxV1G Series
L-011 BL-Bxx3V1M Series	L-012 BL-BxxV5D Series
L-013 BL-Bxxx3J4 Series	L-014 BL-Bxxx4G-1 Series
L-015 BL-Bxxx7M Series	L-016 BL-Wxx3J4 Series

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