



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/ Emittted 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 3φ	BL-B45V1	GaAsP/GaP/ Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	40	35	L-024
	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	568	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 3φ	BL-B45V1F	GaAsP/GaP/ Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	35	40	L-025
	BL-B21V1F	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	35		
	BL-B31V1F	GaAsP/GaP / Yellow	585	Yellow Diffused	35	80	30	150	2.1	2.6	30		
	BL-B24V1F	GaP/GaP / Green	568	Green Trans	30	80	30	150	2.2	2.6	80	30	
	BL-B34V1F	GaAsP/GaP / Yellow	585	Yellow Trans	35	80	30	150	2.1	2.6	60		
	BL-B43V1F	GaAsP/GaP/ Hi-Eff Red	568	Water Clear	45	80	30	150	2.0	2.6	80		
	BL-BX13V1F	GaP/GaP / Hi-Eff Green	568		35	80	30	150	2.1	2.6	120		
T-1 1.0" Lead 3φ	BL-B45V1G	GaAsP/GaP/ Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	40	35	L-026
	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	568	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 3.4φ	BL-B51V1H	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	13.0	30	L-027
	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		
	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 3.0φ	BL-B51V1J	GaP/GaP/Bright Red	700	Red Diffused	90	40	15	50	2.2	2.6	13.0	35	L-028
	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		
	BL-B24V1J	GaP/GaP / Green	568	Green Trans	30	80	30	150	2.0	2.6	100		
T-1 1.0" Lead 3.0φ	BL-B43V1M	GaAsP/GaP/ Hi-Eff Red	635	Water Clear	45	80	30	150	2.0	2.6	100	15	L-029
	BL-B23V1M	GaP/GaP / Green	568		30	80	30	150	2.0	2.6	100		
	BL-B33V1M	GaAsP/GaP / Yellow	585	Orange Trans	35	80	30	150	2.1	2.6	30		
	BL-B44V1M	GaAsP/GaP/ Hi-Eff Red	635		45	80	30	150	2.0	2.6	100		
	BL-B24V1M	GaP/GaP / Green	568		Green Trans	30	80	30	150	2.0	2.6		
T-1 1.0" Lead 3.0φ	BL-B2141P	GaP/GaP / Green	568	Green Diffused	30	80	30	150	2.2	2.6	35	40	L-030
	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 3.1φ	BL-B4541Q	GaAsP/GaP/ Hi-Eff Red	635	Red Diffused	45	80	30	150	2.0	2.6	60.0	40	L-031
	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.

LMP-14

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Standard LED Lamps Round Types

L-024 BL-BxxV1 Series	L-025 BL-BxxV1F Series
L-026 BL-BxxV1G Series	L-027 BL-BxxV1H Series
L-028 BL-BxxV1J Series	L-029 BL-BxxV1M Series
L-030 BL-Bxx41P Series	L-031 BL-Bxx41Q Series

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