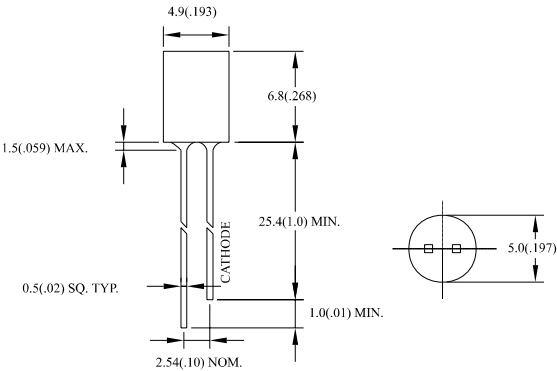
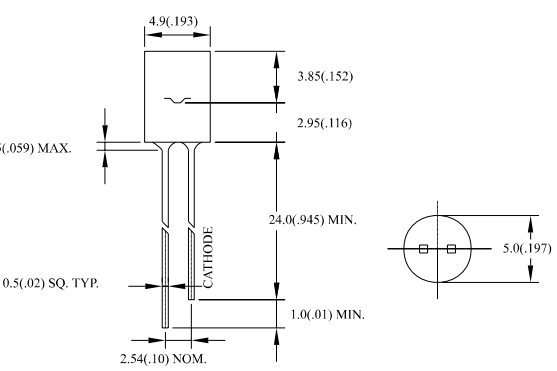
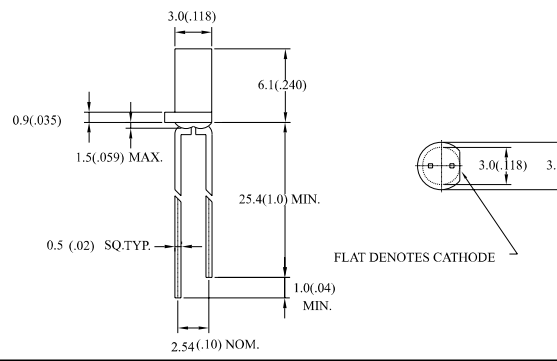
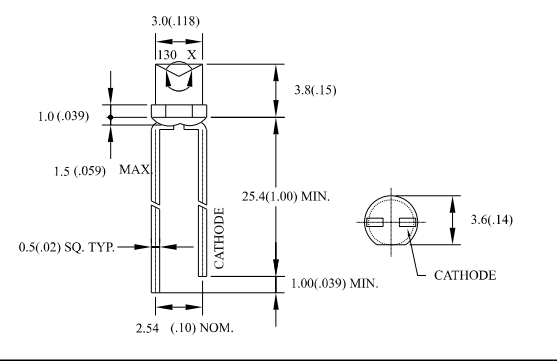
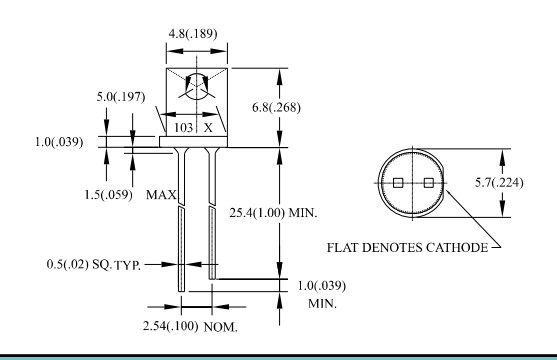
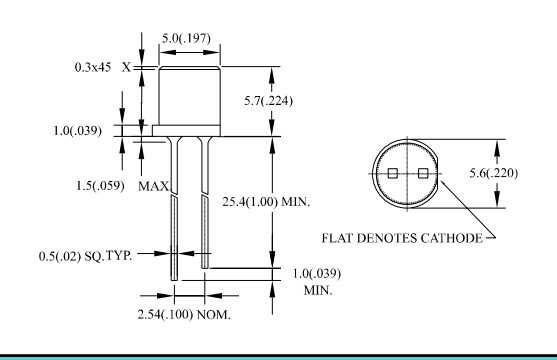
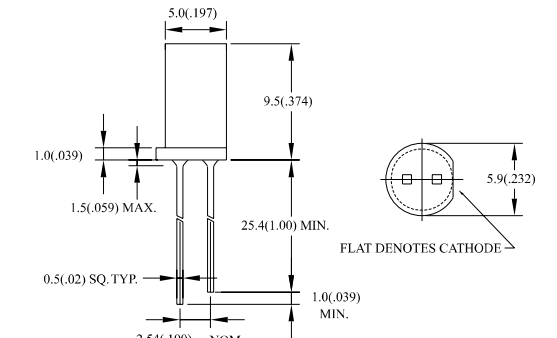
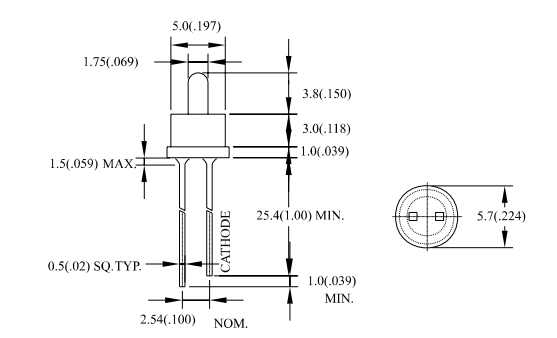




STANDARD LED LAMPS(CYLINDRICAL & TOWER TYPES)

| 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 λ p (nm) | | Δ λ (nm) | Pd (mw) | If (mA) | Peak (mA) | Vf (V) | | Iv (mcd) | | |
| | | | | | | | | | Typ | Max | Typ. | | |
| 1.0" Lead Cylindrical φ 5.0 | BL-C1131A | GaAsP/GaAs/ Red | 655 | Red Diffused | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.6 | 140 | L-113 |
| | BL-C5131A | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 1.0 | | |
| | BL-C4531A | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 6.0 | | |
| | BL-C2131A | GaP/GaP/ Green | 568 | Green Diffused | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 6.0 | | |
| | BL-CX1131A | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 8.0 | | |
| | BL-C3131A | GaAsP/GaP/ Yellow | 585 | Yellow Diffused | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 5.0 | | |
| BL-C4131A | GaAsP/GaP/ Orange | 635 | Orange Diffused | 45 | 100 | 30 | 150 | 2.0 | 2.6 | 6.0 | | | |
| 1.0" Lead Cylindrical φ 5.0 | BL-C1131A-1 | GaAsP/GaAs/ Red | 655 | Red Diffused | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.5 | 150 | L-114 |
| | BL-C5131A-1 | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 0.8 | | |
| | BL-C4531A-1 | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 5.0 | | |
| | BL-C2131A-1 | GaP/GaP/ Green | 568 | Green Diffused | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 5.0 | | |
| | BL-CX1131A-1 | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 7.0 | | |
| | BL-C3131A-1 | GaAsP/ GaP Yellow | 585 | Yellow Diffused | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 4.0 | | |
| BL-C4131A-1 | GaAsP/GaP/ Orange | 635 | Orange Diffused | 45 | 100 | 30 | 150 | 2.0 | 2.6 | 5.0 | | | |
| 1.0" Lead Cylindrical φ 3.0 | BL-C1132 | GaAsP/GaAs/ Red | 655 | Red Diffused | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 2.0 | 130 | L-115 |
| | BL-C5132 | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 3.0 | | |
| | BL-C4532 | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 9.0 | | |
| | BL-C2132 | GaP/GaP/ Green | 568 | Green Diffused | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 9.0 | | |
| | BL-CX1132 | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 12.0 | | |
| | BL-C3132 | GaAsP/GaP/ Yellow | 585 | Yellow Diffused | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 8.0 | | |
| BL-C4132 | GaAsP/GaP/ Orange | 635 | Orange Diffused | 45 | 100 | 30 | 150 | 2.0 | 2.6 | 9.0 | | | |
| 1.0" Lead Cylindrical φ 3.0 | BL-C1435 | GaAsP/GaAs/ Red | 655 | Red Trans | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 3.0 | 120 | L-116 |
| | BL-C5435 | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 5.0 | | |
| | BL-C4635 | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 15.0 | | |
| | BL-C2435 | GaP/GaP/ Green | 568 | Green Trans | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 15.0 | | |
| | BL-CX1435 | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 18.0 | | |
| | BL-C3435 | GaAsP/GaP/ Yellow | 585 | Yellow Trans | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 12.0 | | |
| BL-C4435 | GaAsP/GaP/ Orange | 635 | Orange Trans | 45 | 100 | 30 | 150 | 2.0 | 2.6 | 15.0 | | | |
| 1.0" Lead Cylindrical φ 5.0 | BL-C1436 | GaAsP/GaAs/ Red | 655 | Red Trans | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 3.0 | 120 | L-117 |
| | BL-C5436 | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 5.0 | | |
| | BL-C4636 | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 14.0 | | |
| | BL-C2436 | GaP/GaP/ Green | 568 | Green Trans | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 14.0 | | |
| | BL-CX1436 | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 16.0 | | |
| | BL-C3436 | GaAsP/GaP/ Yellow | 585 | Yellow Trans | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 13.0 | | |
| BL-C4436 | GaAsP/GaP/ Orange | 635 | Orange Trans | 45 | 100 | 30 | 150 | 2.0 | 2.6 | 14.0 | | | |
| 1.0" Lead Cylindrical φ 5.0 | BL-C1336M | GaAsP/GaAs/ Red | 655 | Water Clear | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 3.0 | 20 | L-118 |
| | BL-C5336M | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 5.0 | | |
| | BL-C4336M | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 14.0 | | |
| | BL-C2336M | GaP/GaP/ Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 14.0 | | |
| | BL-CX1336M | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 16.0 | | |
| | BL-C3336M | GaAsP/GaP/ Yellow | 585 | | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 13.0 | | |
| BL-C9336M | GaP/GaP/ Pure Green | 555 | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 1.2 | | | | |
| 1.0" Lead Cylindrical φ 5.0 | BL-C1137-T | GaAsP/GaAs/ Red | 655 | Red Diffused | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 1.0 | 120 | L-119 |
| | BL-C5137-T | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 2.0 | | |
| | BL-C4537-T | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 9.0 | | |
| | BL-C2137-T | GaP/GaP/ Green | 568 | Green Diffused | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 9.0 | | |
| | BL-CX1137-T | GaP/GaP/ Hi-Eff Green | 568 | | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 12.0 | | |
| | BL-C3137-T | GaAsP/GaP/ Yellow | 585 | Yellow Diffused | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 8.0 | | |
| Panel Dot 1.0" Lead φ 1.75 | BL-S1131 | GaAsP/GaAs/ Red | 655 | Red Diffused | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.8 | 75 | L-120 |
| | BL-S5131 | GaP/GaP/ Bright Red | 700 | | 90 | 40 | 15 | 50 | 2.2 | 2.6 | 1.2 | | |
| | BL-S4531 | GaAsP/GaP/ Hi-Eff Red | 635 | | 45 | 80 | 30 | 150 | 2.0 | 2.6 | 6.0 | | |
| | BL-S2131 | GaP/GaP/ Green | 568 | Green Diffused | 30 | 80 | 30 | 150 | 2.2 | 2.6 | 6.0 | | |
| | BL-S3131 | GaAsP/GaP/ Yellow | 585 | Yellow Diffused | 35 | 80 | 30 | 150 | 2.1 | 2.6 | 4.0 | | |

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.

| | |
|---|---|
| <p>L-113 BL-Cxx31A Series</p>  | <p>L-114 BL-Cxx31A-1 Series</p>  |
| <p>L-115 BL-Cxx32 Series</p>  | <p>L-116 BL-Cxx35 Series</p>  |
| <p>L-117 BL-Cxx36 Series</p>  | <p>L-118 BL-Cxx36M Series</p>  |
| <p>L-119 BL-Cxx37-T Series</p>  | <p>L-120 BL-Sxx31 Series</p>  |

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