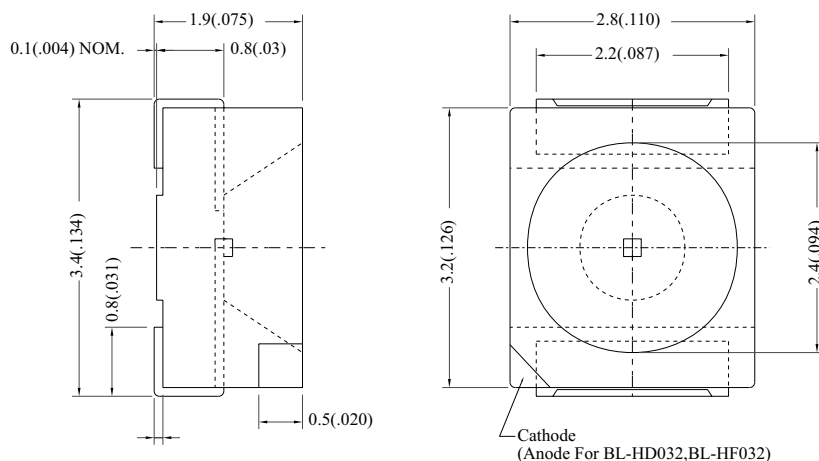




STANDARD CHIP LED LAMPS



BL-HXXX2A Series



Absolute Maximum Ratings (Ta=25°C)

| | UNIT | SPEC. |
|----------------|------|---------|
| IF | mA | 30 |
| IFp | mA | 100 |
| V _R | V | 5 |
| IR | uA | 100 |
| Top | °C | -25~+80 |
| Tstg | °C | -30~+85 |

NOTE:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.10(.004)$ unless otherwise specified.
3. Specifications are subject to change without notice.
4. Condition for IFp is pulse of 1/10 duty and 0.1msec width.

| Part No. | Chip | | | | Lens Appearance | Electro-optical Data (At 20mA) | | | | Viewing Angle 2θ 1/2 (deg) |
|-------------|---------------|---------------|----------|----------|-----------------|--------------------------------|------|---------|------|-------------------------------|
| | Material | Emitted Color | λ p (nm) | Δ λ (nm) | | Vf(V) | | Iv(mcd) | | |
| | | | | | | Typ. | Max. | Min. | Typ. | |
| BL-HH032A | GaP/GaP | Bright Red | 700 | 90 | Water Clear | 2.2 | 2.6 | 1.4 | 4.2 | 120 |
| BL-HG032A | GaP/GaP | Green | 568 | 30 | | 2.2 | 2.6 | 6.0 | 18.0 | |
| BL-HGC32A | GaP/GaP | Green | 568 | 30 | | 2.1 | 2.6 | 16.0 | 35.0 | |
| BL-HX132A | GaP/GaP | Hi-Eff Green | 568 | 30 | | 2.0 | 2.6 | 11.0 | 22.0 | |
| BL-HW132A | GaP/GaP | Pure Green | 555 | 25 | | 2.2 | 2.6 | 1.4 | 3.5 | |
| BL-HY032A | GaAsP/GaP | Yellow | 585 | 35 | | 2.1 | 2.6 | 4.0 | 13.0 | |
| BL-HE032A | GaAsP/GaP | H-Eff Red | 630 | 45 | | 2.0 | 2.6 | 4.5 | 14.5 | |
| BL-HE132A | GaAsP/GaP | Hi-Eff Red | 640 | 45 | | 2.0 | 2.6 | 4.5 | 14.5 | |
| BL-HA132A | GaAsP/GaP | Soft-Orange | 610 | 35 | | 2.0 | 2.6 | 2.1 | 10.0 | |
| * BL-HS032A | GaAlAs/GaAs | Super Red | 660 | 20 | | 1.7 | 2.6 | 24.0 | 50.0 | |
| * BL-HS132A | GaAlAs/GaAs | Super Red | 660 | 20 | | 1.8 | 2.6 | 24.0 | 55.0 | |
| * BL-HD032A | GaAlAs/GaAs | Super Red | 660 | 20 | | 1.8 | 2.6 | 20.0 | 60.0 | |
| * BL-HF032A | GaAlAs/GaAlAs | Super Red | 660 | 20 | | 2.1 | 2.6 | 22.0 | 65.0 | |
| * BL-HF132A | GaAlAs/GaAlAs | Super Red | 660 | 20 | | 2.1 | 2.6 | 37.0 | 75.0 | |
| * BL-HF532A | GaAlAs/GaAlAs | Super Red | 660 | 20 | | 2.2 | 2.6 | 24.0 | 62.0 | |