



# Standard LED Lamps Round Types

| Package                                  | Part No.                        | Chip                    |                                      | Lens Appearance | Absolute Maximum Ratings |         |         |           | Electro-optical Data(At 20mA) |      |                      | Viewing Angle<br>2θ 1/2 (deg) | Drawing No. |       |
|------------------------------------------|---------------------------------|-------------------------|--------------------------------------|-----------------|--------------------------|---------|---------|-----------|-------------------------------|------|----------------------|-------------------------------|-------------|-------|
|                                          |                                 | Material/ Emitted Color | Peak Wave Length λ <sub>p</sub> (nm) |                 | Δλ (nm)                  | Pd (mw) | If (mA) | Peak (mA) | V <sub>f</sub> (V)            |      | I <sub>v</sub> (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-048       |       |
|                                          | 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                 | 20                            |             |       |
|                                          | BL-B3334G-1                     | GaAsP/GaP/ Yellow       | 585                                  | Water Clear     | 35                       | 80      | 30      | 150       | 2.1                           | 2.6  | 140.0                |                               |             |       |
|                                          | 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-049       |       |
|                                          | 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                 | 20                            |             |       |
|                                          | BL-B3334J                       | GaAsP/GaP/ Yellow       | 585                                  | Water Clear     | 35                       | 80      | 30      | 150       | 2.1                           | 2.6  | 120.0                |                               |             |       |
|                                          | 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 Standard 1.0" Lead 5.0φ           | BL-B5134M                       | GaP/GaP/ Bright Red     | 700                                  | Red Diffused    | 90                       | 40      | 15      | 50        | 2.2                           | 2.6  | 12.0                 | 25                            | L-050       |       |
|                                          | BL-B4534M                       | GaAsP/GaP/ Hi-Eff Red   | 635                                  |                 | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 80.0                 |                               |             |       |
|                                          | BL-B2134M                       | GaP/GaP/ Green          | 568                                  | Green Diffused  | 30                       | 80      | 30      | 150       | 2.2                           | 2.6  | 80.0                 |                               |             |       |
|                                          | BL-B3134M                       | GaAsP/GaP/ Yellow       | 585                                  | Yellow Diffused | 35                       | 80      | 30      | 150       | 2.1                           | 2.6  | 70.0                 | 12                            |             |       |
|                                          | BL-B4134M                       | GaAsP/GaP/ Orange       | 635                                  | Orange Diffused | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 80.0                 |                               |             |       |
|                                          | BL-B2434M                       | GaP/GaP/ Green          | 568                                  | Green Trans     | 30                       | 80      | 30      | 150       | 2.2                           | 2.6  | 200.0                |                               |             |       |
|                                          | BL-B4534M-1                     | GaAsP/GaP/ Hi-Eff Red   | 635                                  | Red Diffused    | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 65.0                 |                               |             |       |
| T1 3/4 Wide Viewing Angle 1.0" Lead 5.0φ | BL-B2134M-1                     | GaP/GaP/ Green          | 568                                  | Green Diffused  | 30                       | 80      | 30      | 150       | 2.2                           | 2.6  | 65.0                 | 30                            | L-051       |       |
|                                          | BL-B3134M-1                     | GaAsP/GaP/ Yellow       | 585                                  | Yellow Diffused | 35                       | 80      | 30      | 150       | 2.1                           | 2.6  | 60.0                 |                               |             |       |
|                                          | BL-B4134M-1                     | GaAsP/GaP/ Orange       | 635                                  | Orange Diffused | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 65.0                 |                               |             |       |
|                                          | BL-B3334M-1                     | GaAsP/GaP/ Yellow       | 585                                  | Water Clear     | 35                       | 80      | 30      | 150       | 2.1                           | 2.6  | 140.0                | 15                            |             |       |
|                                          | BL-B2334M-1                     | GaP/GaP/ Green          | 568                                  |                 | 30                       | 80      | 30      | 150       | 2.2                           | 2.6  | 150.0                |                               |             |       |
|                                          | BL-B4334M-1                     | GaAsP/GaP/ Orange       | 635                                  |                 | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 150.0                |                               |             |       |
|                                          | T-13/4 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  |
| 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                 | 20                            |             |       |
| BL-B2434N                                |                                 | GaP/GaP/ Green          | 568                                  | Green Trans     | 30                       | 80      | 30      | 150       | 2.0                           | 2.6  | 140.0                |                               |             |       |
| BL-B4334N                                |                                 | GaAsP/GaP/ Orange       | 635                                  | Water Clear     | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 140.0                |                               |             |       |
| BL-B5134N-1                              |                                 | GaP/GaP/ Bright Red     | 700                                  | Red Diffused    | 90                       | 40      | 15      | 50        | 2.2                           | 2.6  | 9.0                  |                               | 45          | L-053 |
| BL-B4534N-1                              | GaAsP/GaP/ Hi-Eff Red           | 635                     | 45                                   |                 | 80                       | 30      | 150     | 2.0       | 2.6                           | 70.0 |                      |                               |             |       |
| BL-B2134N-1                              | GaP/GaP/ Green                  | 568                     | Green Diffused                       | 30              | 80                       | 30      | 150     | 2.2       | 2.6                           | 70.0 |                      |                               |             |       |
| T-13/4 Flangeless 1.0"Lead 5.0φ          | BL-B3134N-1                     | GaAsP/GaP/ Yellow       | 585                                  | Yellow Diffused | 35                       | 80      | 30      | 150       | 2.1                           | 2.6  | 60.0                 | 30                            |             |       |
|                                          | BL-B2434N-1                     | GaP/GaP/ Green          | 568                                  | Green Trans     | 30                       | 80      | 30      | 150       | 2.0                           | 2.6  | 120.0                |                               |             |       |
|                                          | BL-B4334N-1                     | GaAsP/GaP/ Orange       | 635                                  | Water Clear     | 45                       | 80      | 30      | 150       | 2.0                           | 2.6  | 120.0                |                               |             |       |
|                                          | T-13/4 Flangeless 1.0"Lead 5.0φ | BL-B5134P               | GaP/GaP/ Bright Red                  | 700             | Red Diffused             | 90      | 40      | 15        | 50                            | 2.2  | 2.6                  | 2.0                           | 160         |       |
|                                          |                                 | BL-B4534P               | GaAsP/GaP/ Hi-Eff Red                | 635             |                          | 45      | 80      | 30        | 150                           | 2.0  | 2.6                  | 10.0                          |             |       |
|                                          |                                 | BL-B2134P               | GaP/GaP/ Green                       | 568             | Green Diffused           | 30      | 80      | 30        | 150                           | 2.2  | 2.6                  | 10.0                          |             |       |
|                                          |                                 | BL-B3134P               | GaAsP/GaP/ Yellow                    | 585             | Yellow Diffused          | 35      | 80      | 30        | 150                           | 2.1  | 2.6                  | 8.0                           | 100         |       |
| BL-B2434P                                |                                 | GaP/GaP/ Green          | 568                                  | Green Trans     | 30                       | 80      | 30      | 150       | 2.0                           | 2.6  | 20.0                 |                               |             |       |
| T-13/4 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-055       |       |
|                                          | 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                   |                               |             |       |

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-20

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# Standard LED Lamps Round Types

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| <p><b>L-048 BL-Bxx34G-1 Series</b></p> | <p><b>L-049 BL-Bxx34J Series</b></p>   |
| <p><b>L-050 BL-Bxx34M Series</b></p>   | <p><b>L-051 BL-Bxx34M-1 Series</b></p> |
| <p><b>L-052 BL-Bxx34N Series</b></p>   | <p><b>L-053 BL-Bxx34N-1 Series</b></p> |
| <p><b>L-054 BL-Bxx34P Series</b></p>   | <p><b>L-055 BL-Bxx34Q Series</b></p>   |

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