



## LED Retrofit Bulb Lighting

Available in a variety of styles and wattages, in two colour temperatures

Available in a variety of base fixtures, input voltages, wattages and colour temperatures, the LBL series of LED retrofit bulbs provides an easy path to energy efficient, long life LED illumination. They are available in G4, G9, E14, E27 and E40 bases.

LBL-BA series G4 and LBL-BB series G9 base lights are ideal replacements for halogen lamps and are used in cabinet lights, designer fittings, RV & caravan lamps, in bathrooms & kitchens and more. The LBL-BC series E14 base lights replace small fittings such as those found in appliance lighting, whereas the much larger LBL-BD (E27 base) and BE (E40 base) series lights are heavy duty LED replacements for inefficient lamp post bulbs and metal-halide high bay bulbs.

- Replacement bulbs for a wide range of base fixtures.
- Improve energy efficiency & save on relamping costs.
- 30,000 hours rated service life and high colour accuracy.
- Power flexible: Includes 12VDC and 240VAC input models.

## Series Specifications

| Model                   | LBL-BA3-1                       |  | LBL-BA3-2   |  | LBL-BA3-3    |  | LBL-BA2     |  | LBL-BB5-1                       |  | LBL-BB5-2   |  |
|-------------------------|---------------------------------|--|-------------|--|--------------|--|-------------|--|---------------------------------|--|-------------|--|
| Product Image           |                                 |  |             |  |              |  |             |  |                                 |  |             |  |
| Series Name             | LBL-BA Series G4 Base LED Bulbs |  |             |  |              |  |             |  | LBL-BB Series G9 Base LED Bulbs |  |             |  |
| <b>Optical</b>          |                                 |  |             |  |              |  |             |  |                                 |  |             |  |
| Luminous Flux           | 200lm                           |  | 200lm       |  | 300lm        |  | 140lm       |  | 360lm                           |  | 550lm       |  |
| Luminous Efficacy       | 67lm/W                          |  | 67lm/W      |  | 100lm/W      |  | 70lm/W      |  | 65lm/W                          |  | 100lm/W     |  |
| Colour Temperature      | 3000K / 6000K                   |  |             |  |              |  |             |  |                                 |  |             |  |
| Colour Rendering Index  | >80                             |  |             |  |              |  |             |  |                                 |  |             |  |
| Beam Angle              | 360°                            |  |             |  | 180°         |  |             |  | 360°                            |  |             |  |
| Light Decay             | <15% at 10,000 hours            |  |             |  |              |  |             |  |                                 |  |             |  |
| Rated Lifespan          | 30,000 hours                    |  |             |  |              |  |             |  |                                 |  |             |  |
| <b>Electrical</b>       |                                 |  |             |  |              |  |             |  |                                 |  |             |  |
| Power Consumption       | 3W                              |  |             |  | 2W           |  |             |  | 5.5W                            |  |             |  |
| Input Voltage           | 12VDC                           |  | 240VAC      |  | 12VDC        |  | 12VDC       |  | 240VAC                          |  | 240VAC      |  |
| Power Factor            | >0.4                            |  | >0.4        |  | >0.4         |  | >0.4        |  | >0.6                            |  | >0.5        |  |
| Dimmable                | N/A                             |  |             |  |              |  |             |  |                                 |  |             |  |
| <b>General</b>          |                                 |  |             |  |              |  |             |  |                                 |  |             |  |
| Construction / Material | Silicon base                    |  |             |  | Ceramic base |  |             |  | Plastic base                    |  |             |  |
| Plug / Socket / Base    | G4 bi-pin                       |  |             |  |              |  |             |  | G9 bi-pin                       |  |             |  |
| Operating Environment   | -20 ~ +40°C                     |  |             |  |              |  |             |  |                                 |  |             |  |
| Dimensions              | Ø15 x 43mm                      |  | Ø16 x 43mm  |  | Ø15 x 44mm   |  | 20 x 30mm   |  | Ø17 x 61mm                      |  | Ø15 x 60mm  |  |
| Equivalent Wattage      | 12W halogen                     |  | 12W halogen |  | 15W halogen  |  | 10W halogen |  | 20W halogen                     |  | 25W halogen |  |

| Model                   | LBL-BC1                               |  | LBL-BD36                              |  | LBL-BE120                             |  |
|-------------------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|--|
| Product Image           |                                       |  |                                       |  |                                       |  |
| Series Name             | LBL-BC Series E14 Base Retrofit Bulbs |  | LBL-BD Series E27 Base Retrofit Bulbs |  | LBL-BE Series E40 Base Retrofit Bulbs |  |
| <b>Optical</b>          |                                       |  |                                       |  |                                       |  |
| Luminous Flux           | 120lm                                 |  | 3600lm                                |  | 12000lm                               |  |
| Luminous Efficacy       | 80lm/W                                |  | 100lm/W                               |  |                                       |  |
| Colour Temperature      | 3000K / 6000K                         |  |                                       |  |                                       |  |
| Colour Rendering Index  | >80                                   |  |                                       |  |                                       |  |
| Beam Angle              | 360°                                  |  |                                       |  |                                       |  |
| Light Decay             | <15% at 10,000 hours                  |  |                                       |  |                                       |  |
| Rated Lifespan          | 30,000 hours                          |  |                                       |  |                                       |  |
| <b>Electrical</b>       |                                       |  |                                       |  |                                       |  |
| Power Consumption       | 1.5W                                  |  | 36W                                   |  | 120W                                  |  |
| Input Voltage           | 220 ~ 240VAC                          |  | 85 ~ 265VAC                           |  |                                       |  |
| Power Factor            | >0.80                                 |  | >0.95                                 |  |                                       |  |
| Dimmable                | N/A                                   |  |                                       |  |                                       |  |
| <b>General</b>          |                                       |  |                                       |  |                                       |  |
| Construction / Material | Glass / Ceramic                       |  | Aluminium / Polycarbonate             |  |                                       |  |
| Plug / Socket / Base    | E14 screw                             |  | E27 screw                             |  | E40 screw                             |  |
| Operating Environment   | -20 ~ +40°C                           |  |                                       |  |                                       |  |
| Dimensions              | Ø23 x 50mm                            |  | Ø93 x 222mm                           |  | Ø120 x 354mm                          |  |
| Equivalent Wattage      | 10W halogen                           |  | 150W halogen                          |  | 250W metal-halide                     |  |

## Ordering Information

| Type | Series     | Wattage                      | Colour Temperature                 | Other |
|------|------------|------------------------------|------------------------------------|-------|
| LBL  | - BA<br>BB | 2 (2W)<br>3 (3W)<br>5 (5.5W) | - C (Cool white)<br>W (Warm white) | 1~9   |

LBL-BA3-W2: 3W G4 Base LED Retrofit Bulb in Warm White

| Type | Series           | Wattage                            | Colour Temperature                 |
|------|------------------|------------------------------------|------------------------------------|
| LBL  | - BC<br>BD<br>BE | 1 (1.5W)<br>36 (36W)<br>120 (120W) | - C (Cool white)<br>W (Warm white) |

LBL-BD36-C: 36W E27 Base LED Retrofit Bulb in Cool White