

# eLucent™

## E Series LED Globe Bulb



ATG ELECTRONICS



When you choose eLucent™ E Series LED Globe Bulb, you will get more than just stylish colored lighting and pretty atmosphere. They are the best choice for decoration in events, parties, fairs and amusement parks.

Suitable for dry environment, eLucent™ E Series consume less than 1W and last extremely long compared to incandescent bulbs, up to 20,000 hours.

Assembled with strong polycarbonate housing, they can be directly drop into standard E27 socket and emit RGB, white, red, yellow, blue and green colors. No extra controller required, the RGB version can produce seven-color dynamic changing (red, cyan, yellow, green, white, blue, and purple) in 38 seconds circle.

eLucent™ E Series come with blister packs or color boxes, both are well-suited for retail use.

**ATG**  
**Electronics Corp.**

Light your world  
Color your life!

**Features & Benefits:**

Energy saving up to 80% (Less than 1W);  
Gentle and soft light output;  
Compact size, fast turn on;  
Low maintenance (weatherproof, non breakable illumination globes);

No mercury, environmental friendly;

Long life, up to 20,000 hours;  
UV resistant polycarbonate bulb.

**Recommended Applications:**

Decoration lighting for parties, events, fairs, and amusement parks.

## eLucent™ E Series for Decoration Lighting



eLucent™ E Series LED Globe Bulbs are reliable and safe decoration lighting solutions. Just add some color to your parties, events, fairs, and amusement parks to build happy and exciting atmosphere. When you choose eLucent™ E Series LED Globe Bulbs, you'll find that you've got more than just a great choice of colored lighting.

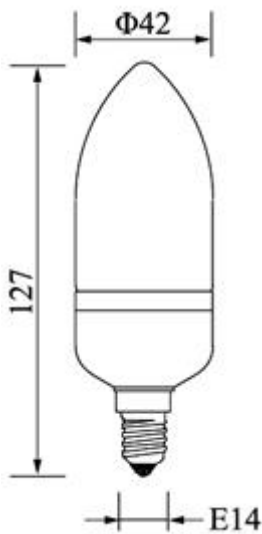


# eLucent™ E40

## Part Numbers

| Part Number         | Description   | Unit |
|---------------------|---|------|
| HGB-4012N-046000-H1 | eLucent E40, 12LEDs, Natural White, E14, 120VAC, 120 degree | PCs  |
| HGB-4012T-046000-H1 | eLucent E40, 12LEDs, RGB, E14, 120VAC, 120 degree           | PCs  |
| HGB-4012N-046000-H2 | eLucent E40, 12LEDs, Natural White, E14, 240VAC, 120 degree | PCs  |
| HGB-4012T-046000-H2 | eLucent E40, 12LEDs, RGB, E14, 240VAC, 120 degree           | PCs  |

## Physical Dimensions (Unit: mm)



## Technical Specifications

### Physical Specifications

|                  |                                 |
|------------------|---------------------------------|
| Dimension        | D42 * H127 mm (D1.65 * H5 inch) |
| Base             | E14                             |
| Housing          | Acrylics                        |
| Work environment | applicable for dry environment  |

### Electrical Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Lighting Source       | High Intensity LEDs                |
| LED Quantity          | 12 LEDs                            |
| Operation Voltage     | 120VAC or 240VAC                   |
| Operation Current     | 10~15 mA (White)<br>50~55 mA (RGB) |
| Power Consumption     | 0.4~0.8w (White)<br>0.8~1.5w (RGB) |
| Operation Temperature | -25 °C~40 °C (-13°F~104°F)         |

## Optical Specifications

|                                 |               |              |               |                |
|---------------------------------|---------------|--------------|---------------|----------------|
| Color Range                     | White         | RGB          |               |                |
| Luminous Intensity (single LED) | 1200 mcd      | —            |               |                |
| Lumens ( one pcs)               | 35 lm         | 2~12 lm      |               |                |
| Efficiency                      | 40 lm/W       | 10~46 lm/W   |               |                |
| Wavelength                      | —*            | Red: 620~630 | Blue: 465~475 | Green: 510~520 |
| Beam Angle                      | 120 degree    |              |               |                |
| Lumen Maintenance               | >95%@1,000hrs |              |               |                |

\* Color Temperature: 2700~8000K

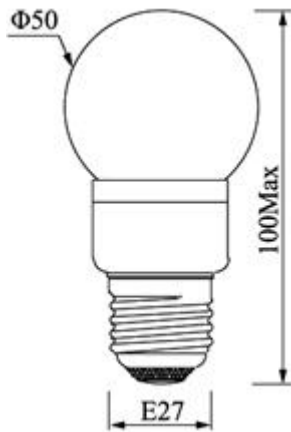
## eLucent™ E50

### Part Numbers

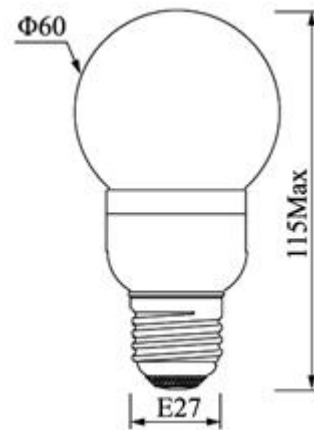
| Part Number         | Description   | Unit |
|---------------------|---|------|
| HGB-2012N-056000-H1 | eLucent E50, 12LEDs, Natural White, E27, 120VAC, 120 degree | PCs  |
| HGB-2012T-056000-H1 | eLucent E50, 12LEDs, RGB, E27, 120VAC, 120 degree           | PCs  |
| HGB-2012N-056000-H2 | eLucent E50, 12LEDs, Natural White, E27, 240VAC, 120 degree | PCs  |
| HGB-2012T-056000-H2 | eLucent E50, 12LEDs, RGB, E27, 240VAC, 120 degree           | PCs  |

### Physical Dimensions (Unit: mm)

#### Natural White



#### RGB



## Technical Specifications

### Physical Specifications

|                  |  |
|------------------|--|
| Dimension        | Natural White: D50 * H100 mm (D1.96 * H3.93 inch)<br>RGB: D60 * H115 mm (D1.96 * H3.93 inch) |
| Base             | E27  |
| Housing          | Acrylics   |
| Work environment | applicable for dry environment   |

### Electrical Specifications

|                       |                                    |
|-----------------------|------------------------------------|
| Lighting Source       | High Intensity LEDs                |
| LED Quantity          | 12 LEDs                            |
| Operation Voltage     | 120VAC or 240 VAC                  |
| Operation Current     | 10~15 mA (White)<br>45~55 mA (RGB) |
| Power Consumption     | 0.6~0.8W (White)<br>0.8~1.5W (RGB) |
| Operation Temperature | -25 °C~40 °C (-13°F~104°F)         |

### Optical Specifications

| Color Range                        | White         | RGB          |               |                |
|------------------------------------|---------------|--------------|---------------|----------------|
| Luminous Intensity<br>(single LED) | 1200 mcd      | —            |               |                |
| Lumens ( one pcs)                  | 32 lm         | 2~10 lm      |               |                |
| Efficiency                         | 40 lm/W       | 10~45 lm/W   |               |                |
| Wavelength                         | —*            | Red: 620~630 | Blue: 465~475 | Green: 510~520 |
| Beam Angle                         | 120 degree    |              |               |                |
| Lumen Maintenance                  | >95%@1,000hrs |              |               |                |

\* Color Temperature: 2700~8000K



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