

## BBE MR16 – High Power LED Lamp Cup



### Benefits

- ▼ **Low Power Consumption** - 3W
- ▼ **High Brightness** - Up to 170 Lumens, **8 TIMES** than the incandescent lamps
- ▼ **Long Life** - Up to 50,000 Hours, adopted the PWM constant current power, protect the LEDs efficiently
- ▼ **Robust Design** - Shock and vibration resistant
- ▼ **Light Beam** - Low heat generated/No UV, adopted the integrative lamp cup & radiator, scatter heat quickly
- ▼ **Easy Installation** - Fits standard GU5.3 base socket and replace the traditional MR16 light source directly
- ▼ **Save Money** - Reduces labor and maintenance costs
- ▼ **Related Approvals** - CE, RoHS, UL

### Design For:

Apply to homes, shopping centers, conference rooms, display counters lighting and decoration, usually installed in the MR16 spotlight case.

### Special Features:

| No. | Special Features                                                                                                                                                                                                                                                                                                                   |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | With proprietary optical technology, high beam pattern definition and brightness uniformity;                                                                                                                                                                                                                                       |
| 2   | <b>Unique Integrated Lens and Lampshade Design.</b> The lens have both light focus and protection LED protection function, avoid the brightness wastage, let the product looks more concise beauty.                                                                                                                                |
| 3   | <b>Creative High Power LED Planar Combine Packaging, Radiator and Lamp holder Integration.</b> Fully protect LED life and heat dissipation requirements, satisfied with the structure and design of LED Lights fundamentally, which the most distinctive features of LED Lights;                                                   |
| 4   | <b>Tremendous Energy Saving,</b> Used the ultra high power, high brightness LED light source ,together with the high power efficiency power supply, which can save energy up to 80% than the conventional incandescent lamps, under the same power consumption, the brightness is 8 times than the traditional incandescent lamps; |
| 5   | <b>Long Life, Up to 50,000 Hours, 50 times than the conventional tungsten wire lamp:</b> Used highly reliable, advanced LED packaging technology - Eutectic Welding, fully guaranteed the LED long life;                                                                                                                           |
| 6   | <b>No Strobe Flashing,</b> Working under DC, eliminate the tireless which caused by the traditional strobe flashing;                                                                                                                                                                                                               |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7  | <b>Green and Environmental Protection:</b> no lead, no mercury, no environmental pollution;                                                                                                     |
| 8  | <b>Impact Resistance, Shock-proof, Without Ultraviolet (UV) and Infrared (IR) Radiation:</b> No filament and glass frames, avoid break of the traditional lamp, without harm to the human body; |
| 9  | <b>Work under Low-voltage and Low-Heat, Safe and Reliable:</b> The surface temperature is less than ( $T_a=25^{\circ}\text{C}$ ambient temperature);                                            |
| 10 | Adopting the PWM constant-current technology, with high efficiency, low heat and high precision constant current;                                                                               |
| 11 | Use the external adapter to work with the AC Electricity optional;                                                                                                                              |
| 12 | Global Wide Working Voltage, with constant-current under 85-264VAC entire voltage range, the brightness and lifetime will be not influenced by the voltage fluctuations;                        |
| 13 | Universal standard GU5.3 base, can replace the halogen lamp directly;                                                                                                                           |
| 14 | High brightness efficiency, up to 80lm/w, various color temperature optional, High Color Index, Nice Coloration;                                                                                |
| 15 | <b>Have a number of patents for inventions and utility model patents.</b>                                                                                                                       |

### Main Specifications:

| Item                 | Spec.                                                         |
|----------------------|---------------------------------------------------------------|
| Model Number         | MR16                                                          |
| Model Name           | High Power LED Spot Lamp                                      |
| Dimension            | $\varnothing 50 \times 45\text{mm}$                           |
| Emission Color       | Pure White, Warm White (Red, Yellow, Green and Blue optional) |
| Color Temperature    | Pure White: 5,000 – 7,000K, Warm White: 3,000 – 4,000K        |
| CRI                  | $R_a > 70$                                                    |
| Luminescence Angle   | $30^{\circ}$                                                  |
| Lumens               | 170 lm                                                        |
| Working Voltage      | 12VAC/DC (85-264VAC, working with external adapter)           |
| Power Consumption    | 3W                                                            |
| Lamp Lens            | Acryl                                                         |
| Lamp Cup Radiator    | Alloy Aluminum Plating                                        |
| Lamp Base            | GU5.3                                                         |
| Certification        | CE, RoHS                                                      |
| Packing              | 1 pc/White Box, 10 pcs/Middle Box, 100 pcs/Carton             |
| Carton Size          | 600 x 308 x 146 mm                                            |
| Container Q'ty (pcs) | 20'Q: 99,000 pcs 40'Q: 204,000 pcs, 40'HQ: 244,800 pcs        |
| Warranty             | 12 Months                                                     |