

**BuLED**

**BuLED-50E-BRI LED light accessory to replace MR16 fitting for Bridgelux modulares**

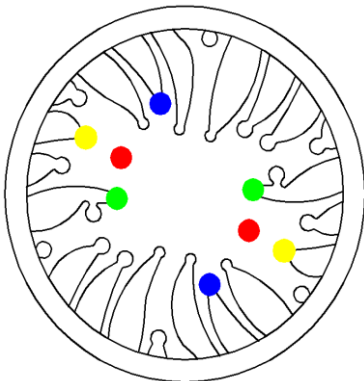
**Features VS Benefits**

- \* BuLED-50E LED light accessory includes one LED cooler and one LED housing to be assembled with Bridgelux modules to replace MR16.
- \* Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- \* For spotlight and downlight designs from 500 to 1800 lumen.
- \* Thermal resistance range Rth 3.7°C/W.
- \* Heatsink Diameter 48mm - Standard height 50mm , Other heights on request.
- \* Housing Diameter 50mm - Standard height 50mm , Other heights on request.
- \* Modular design with mounting holes foreseen for direct mounting of Bridgelux ES Star, Array V6, V8,V10 ,Vero 10 and Vero 13 Array LED engines.
- \* Extruded from highly conductive aluminum.



**Zhaga LED engine and radiator assembly is a unified future international standardization**

- \* Below you find an overview of Bridgelux COB's and LED modules which standard fit on the BuLED-50E series.
- \* In this way mechanical after work and related costs can be avoided, and lighting designers can standardize their designs on a limited number of Star LED Heat Sinks.



**Bridgelux LED Modules directly Mounting Options**

**ES Star Array Series LED engines names.**

- |                    |                    |
|--------------------|--------------------|
| BXRA-27E0540-A-03; | BXRA-30G0740-A-03; |
| BXRA-27G0540-A-03; | BXRA-40E0600-A-03; |
| BXRA-27E0740-A-03; | BXRA-40E0810-A-03; |
| BXRA-27G0740-A-03; | BXRA-50C1000-A-03; |
| BXRA-30E0540-A-03; | BXRA-56C0700-A-03; |
| BXRA-30G0540-A-03; | BXRA-56C1000-A-03; |
| BXRA-30E0740-A-03; |                    |

With the BJB holder:47.313.1001.80  
Mounting with machine screws M3x6.5mm;  
Green indicator marks.

**V8 Array Series LED engines: (With Bridgelux V6 / V8 star holder)**

- |                 |                 |
|-----------------|-----------------|
| BXRE-xxx0800-A; | BXRE-xxx0800-B; |
|-----------------|-----------------|

Mounting with machine screws M3x6.5mm;  
Red indicator marks.

**V10 Array Series LED engines: BJB holder(47.313.6101.50)**

- |                    |                    |
|--------------------|--------------------|
| BXRE-27E1000-B-03; | BXRE-40E1000-B-03; |
| BXRE-27G1000-B-03; | BXRE-50C1000-B-04; |
| BXRE-30E1000-B-03; | BXRE-50E1000-B-03; |
| BXRE-30G1000-B-03; |                    |

With Zhaga Book 11 for blue indicator marks:  
Direct mounting with machine screws M3x6.5mm;

**Vero 10 Array Series LED engines**

- BXRC-27xxxx-B-xx ;
- BXRC-30xxxx-B-xx ;
- BXRC-35xxxx-B-xx ;
- BXRC-40xxxx-B-xx ;
- BXRC-50xxxx-B-xx ;

Direct mounting with machine screws M3x6.5mm;  
Green indicator marks.

**Vero 13 Array Series LED engines**

- BXRC-27xxxx-C-xx ;
- BXRC-30xxxx-C-xx ;
- BXRC-35xxxx-C-xx ;
- BXRC-40xxxx-C-xx ;
- BXRC-50xxxx-C-xx ;

Direct mounting with machine screws M3x6.5mm;  
Yellow indicator marks.

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### Mounting Options and Drawings & Dimensions

Example: BuLED-50E-BRI-B-1,2

Example: BuLED-50E-BRI-**1** - **2**

- 1** Anodising Color  
 B-Black  
 C-Clear  
 Z-Custom

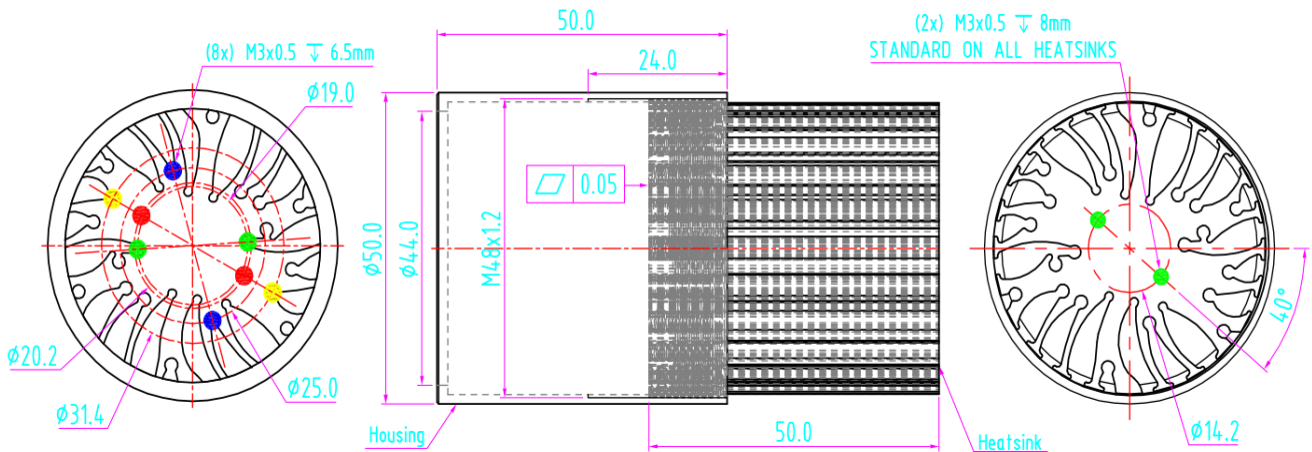
- 2** Mounting Options - see graphics for details Combinations available  
 Ex.order code - 12  
 means option 1 and 2 combined



#### Notes:

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.

| MOUNTING OPTION | Module type           | Holder NO.             | THREAD | THREAD DEPTH | THREAD HOLE DISTANCE |
|-----------------|-----------------------|------------------------|--------|--------------|----------------------|
| 1               | Vero-10 ES-Star Array | /                      | M3     | 6.5mm        | 19.0mm/ 2-@180°      |
| 2               | V6-Array V8-Array     | V6/V8 With Satr holder | M3     | 6.5mm        | 20.2mm/ 2-@180°      |
| 3               | V10-Array             | BJB 47.319.6101.50     | M3     | 6.5mm        | 25.0mm/ 2-@180°      |
| 4               | Vero-13               | /                      | M3     | 6.5mm        | 31.4mm/ 2-@180°      |



## BuLED

BuLED-50E-BRI LED light accessory to replace MR16 fitting for Bridgelux modulars

### The thermal data table

|  |  |
|--|--|
|  |  |
|  | <i>BuLED</i>   |
| <b>Model No.</b>                             | <b>BuLED-50E-BRI</b>   |
| <b>Heatsink Size</b>                         | <b>Φ48xH50mm</b>   |
| <b>Housing Size</b>                          | <b>Φ50xH50mm</b>   |
| <b>Material</b>                              | <b>AL6063-T5</b>   |
| <b>Finish</b>                                | <b>Black Anodized</b>  |
| <b>Weight(g)</b>                             | <b>160.0</b>   |
| <b>Thermal Wattage</b>                       | <b>15.0W</b>   |
| <b>HeatsinkOs-a<sup>2</sup></b>              | <b>36868</b>   |
| <b>Thermal Resistance (°C/W)<sup>2</sup></b> | <b>3.7</b>   |

| Dissipated Power Pd(W) | Pd = Pe x (1-ηL)                                       |  |
|------------------------|--|--|
|                        | Heat sink to ambient thermal resistance Rhs-amb (°C/W) | Heat sink to ambient temperature rise Ths-amb (°C) |
|                        | BuLED-50E-BRI  | BuLED-50E-BRI                                      |
| 2.5                    | 5.6  | 14.0   |
| 4.5                    | 5.3  | 24.0   |
| 7.0                    | 4.6  | 32.0   |
| 9.5                    | 4.3  | 41.0   |
| 12.0                   | 4.1  | 49.0   |
| 15.0                   | 3.7  | 55.0   |

