

BuLED

BuLED-30E-BRI LED light accessory to replace MR16 fitting for Bridgelux modulars

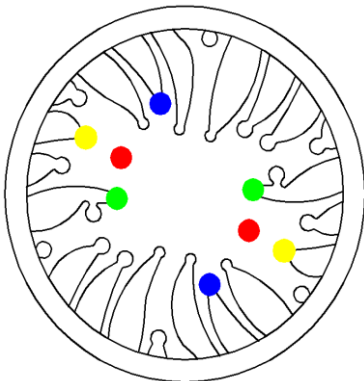
Features VS Benefits

- * BuLED-30E 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 400 to 1200 lumen.
- * Thermal resistance range Rth 4.2°C/W.
- * Heatsink Diameter 48mm - Standard height 30mm , 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-30E 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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The thermal data table

	 BuLED
Model No.	BuLED-30E-BRI
Heatsink Size	Φ48xH30mm
Housing Size	Φ50xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	110.0
Thermal Wattage	12.0W
HeatsinkOs-a²	22820
Thermal Resistance (°C/W)²	4.2

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-30E-BRI	BuLED-30E-BRI
2.5	6.2	15.5
4.5	5.8	26.1
7.0	5.2	36.4
9.5	4.8	45.6
12.0	4.2	50.4

