



for

LED



**BuLED**

**BuLED-50F-SAM LED light accessory to replace MR16 fitting for Samsung modulars**

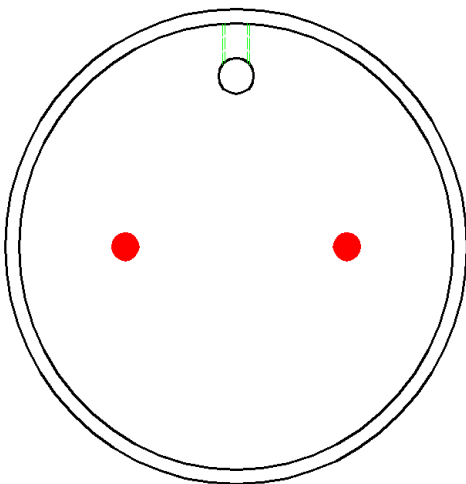
**Features VS Benefits**

- \* BuLED-50F LED light accessory includes one LED cooler and one LED housing to be assembled with Samsung 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 form 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 samsung COB LED engines.
- \* Forged from highly conductive aluminum.



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

- \* Below you find an overview of Samsung COB's and LED modules which standard fit on the BuLED-50F 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.



**Samsung LED Modules Mounting indicator marks overview**

**For the LC013 B LED engines.**

- SPHWW1HDNA27YHW31F;
- SPHWW1HDNA27YHV31F;
- SPHWW1HDNA27YHU31F;
- SPHWW1HDNA27YHT31F;
- SPHWW1HDNA25YHW31F;
- SPHWW1HDNA25YHV31F;
- SPHWW1HDNA25YHU31F;
- SPHWW1HDNA25YHT31F;
- SPHCW1HDNA25YHRT1F;

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

### Mounting Options and Drawings & Dimensions

Example: BuLED-50F-SAM-B-1

Example: BuLED-50F-SAM-**1**-**2**

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

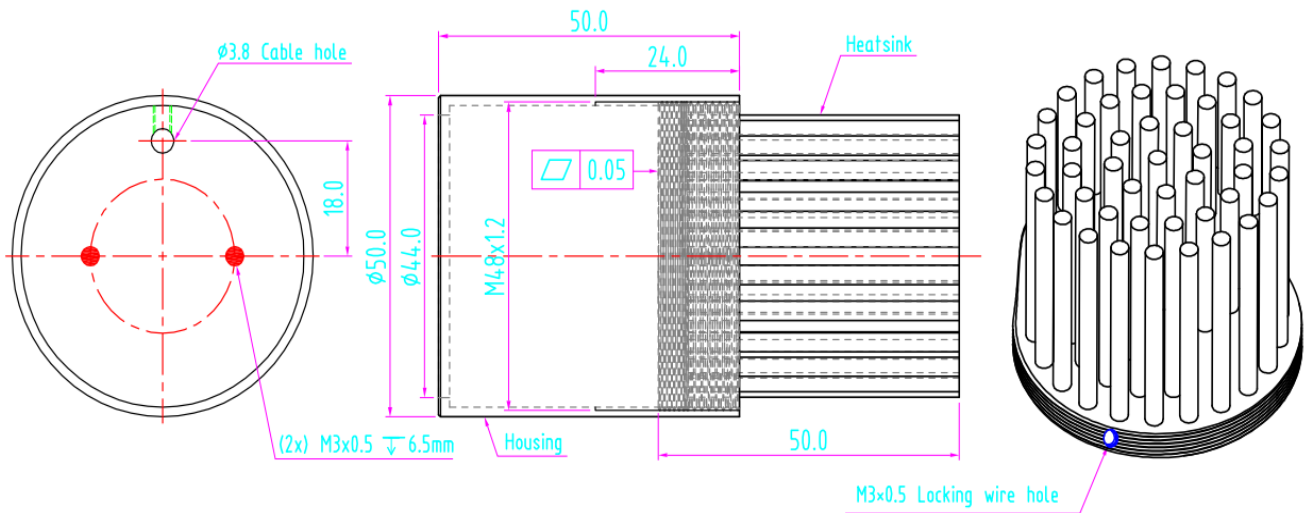
- 2** Mounting Options - see graphics for details Combinations available
  - Ex.order code - 12 means option 1 and 2 combined



**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	LC013	/	M3	6.5mm	24.0mm/ 2-@180°




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**The thermal data table**

	 <b>BuLED</b>
<b>Model No.</b>	<b>BuLED-50F-SAM</b>
<b>Heatsink Size</b>	<b>Φ48xH50mm</b>
<b>Housing Size</b>	<b>Φ50xH50mm</b>
<b>Material (Heatsink + Housing)</b>	<b>AL1070 + AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>93.0</b>
<b>Thermal Wattage</b>	<b>15.0W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>23458</b>
<b>Thermal Resistance</b>	<b>3.7</b>

	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-50F-SAM	BuLED-50F-SAM
Dissipated Power Pq(W)	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

