



for

LED



**BuLED**

**BuLED-50F-CIT LED light accessory to replace MR16 fitting for Citizen modulars**

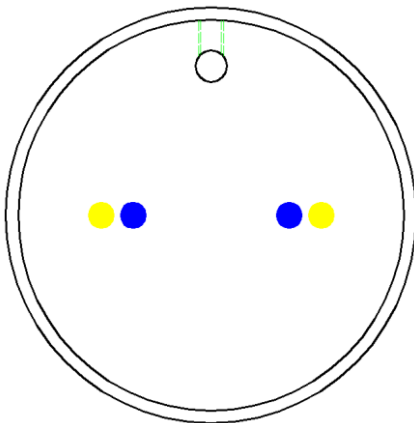
**Features VS Benefits**

- \* BuLED-50F LED light accessory includes one LED cooler and one LED housing to be assembled with Citizen 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 Citizen CLL02x, and CLL03x 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 Citizen 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.



**Citizen LED Modules directly Mounting Options**

**CLL020~022 and CLU024 LED engines.**

- |                        |                        |
|------------------------|------------------------|
| CLU020-1202A5-xxxxxxx; | CLU022-1202A5-xxxxxxx; |
| CLU020-1203A5-xxxxxxx; | CLU022-1203A5-xxxxxxx; |
| CLU020-1204A5-xxxxxxx; | CLU022-1204A5-xxxxxxx; |
| CLU024-1202B8-xxxxxxx; |                        |
| CLU024-1203B8-xxxxxxx; |                        |
| CLU024-1204B8-xxxxxxx; |                        |

Without LED holders  
Blue indicator marks.  
Direct mounting with machine screws M3x6.5mm;

**CLL030~032 LED engines.**

- |                        |                        |
|------------------------|------------------------|
| CLL030-1205A5-xxxxxxx; | CLL032-1205A5-xxxxxxx; |
| CLL030-1206A5-xxxxxxx; | CLL032-1206A5-xxxxxxx; |

Without LED holders for yellow indicator marks.  
Direct mounting with machine screws M3x6.5mm;



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**Mounting Options and Drawings & Dimensions**

Example: BuLED-50F-CIT-B-1,2

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

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

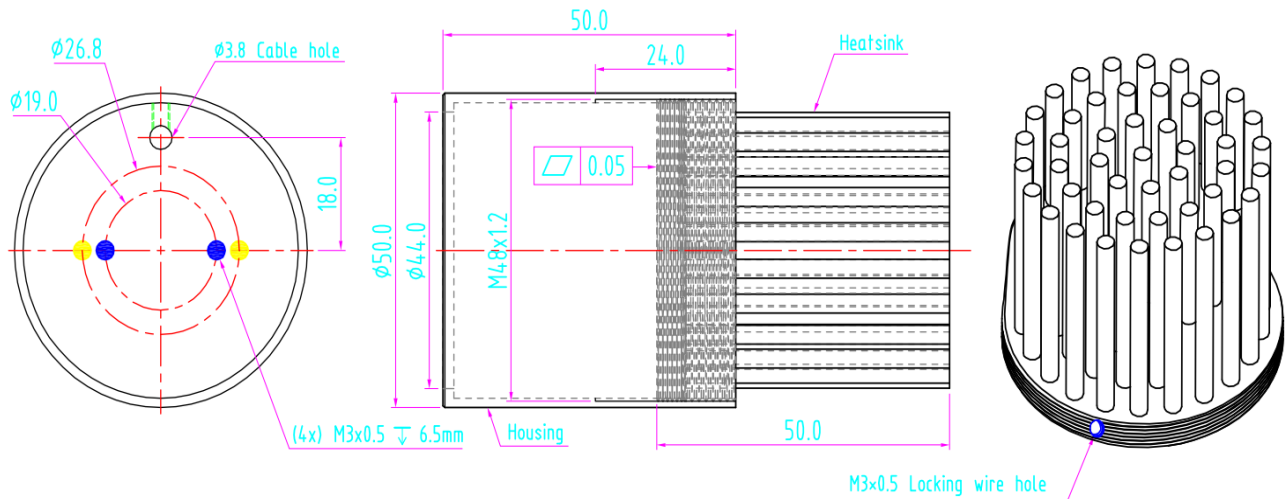
- 2** Mounting Options - see graphics for details Combinations available
  - Ex.order code - 12
  - means option 1 and 2 combined

**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	CLL02x	/	M3	6.5mm	19.0mm/ 2-@180°
2	CLL03x	/	M3	6.5mm	26.8mm/ 2-@180°




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The thermal data table

	 <b>BuLED</b>
<b>Model No.</b>	<b>BuLED-50F-CIT</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>Heatsink<math>\Theta_s</math>-a<sup>2</sup></b>	<b>23458</b>
<b>Thermal Resistance</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-50F-CIT	BuLED-50F-CIT
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

