



for

LED



**BuLED**

**BuLED-50Fx LED light accessory to replace MR16 fittings by Xicato XTM**

**Features VS Benefits**

- \* BuLED-50Fx LED light accessory includes one LED cooler and one LED housing to be assembled with Xicato XTM LED modules to replace MR16.
- \* Mechanical compatibility with direct mounting of the LED modules to the LED cooler and thermal performance matching the lumen packages.
- \* Thermal resistance range Rth 5.0°C/W.
- \* Xicato Thermal Class E , ( 60° tilt angle, 40°C ambient ) .
- \* The cooler design with mounting holes foreseen for direct mounting of Xicato XTM Module .
- \* Heatsink Diameter 48mm - Standard height 50mm , Other heights on request.
- \* Housing Diameter 50mm - Standard height 50mm , Other heights on request.
- \* Forged from highly conductive aluminum.



\*BuLED-50Fx LED light accessory Xicato Pin Fin Heat Sink is standard foreseen from a variety of mounting holes which allow direct mounting of all Xicato XTM LED modules and secondary optics on the Pin FinLED heat sink.

\*In this way mechanical afterwork and related costs can be avoided, and lighting designers can standardize their designs on a limited number of LED coolers.

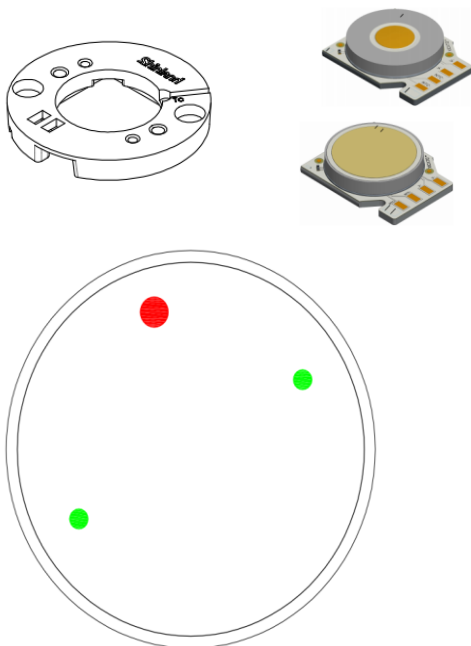
\*Below you find an overview of Xicato LED modules which standard fit on the BuLED-50Fx LED light accessory .

\*MingFa performs thermal validation tests on each of the LED modules mounted on the LED cooler and publishes.

\*This data in the Xicato Cooler thermal validation reports.

\*For a full overview of available LED coolers for Xicato LEDs, please refer to the Xicato LED cooler overview on.

**XICATO**



**BuLED-50Fx LED light accessory, The Heatsink standard height 50mm for Xicato LED modules Mounting Options**

**Xicato XTM LED modules:**

- XTM19-8027-xxx ; XTM19-8040-xxx ;
- XTM19-8030-xxx ; XTM19-V830-xxx ;
- XTM19-8035-xxx ;

Direct mounting by Zhaga mounting holes with 2 screws M3 x 8mm; with Shinland Zhaga holder. Green indicator marks.



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**Mounting Options and Drawings & Dimensions**

Example: BuLED-50Fx-M3-B-2

Example: BuLED-50Fx-M3-**1**-**2**

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

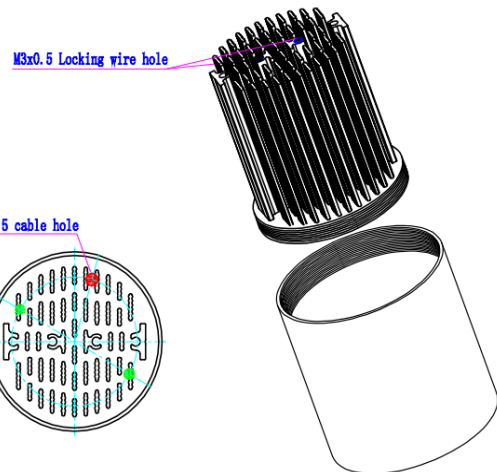
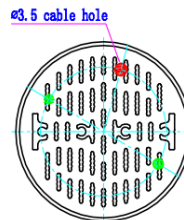
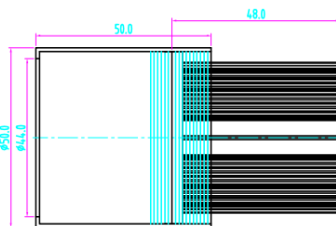
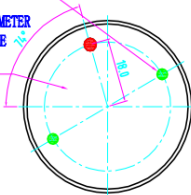
- 2** Mounting Options - see graphics for details Combinations available
  - Ex.order code - 12
  - means option 1 and 2 combined



MingFa recommends the use of a high Thermal conductive interface between the LED Module and the LED cooler. Either thermal grease, A thermal pad or a phase change thermal pad Thickness 0.1-0.15mm is recommended.

MOUNTING OPTION	PART NUMBER	THREAD	THREAD DEPTH
NONE	BuLED-50Fx -M3-#-N	NONE	NONE
1	BuLED-50Fx -M3-#-1	Φ3.5	Through-hole Cable hole
2	BuLED-50Fx -M3-#-2	M3*0.5	Locking wire hole
3			

XTM MOUNTING OPTION M3:  
2X DRILL & TAP M3x0.5  
6mm , DP MIN  
0.05 (INSIDE THE DIAMETER INDICATED, MODULE SIDENLY)



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The thermal data table

	 <b>BuLED</b>
<b>Model No.</b>	BuLED-50Fx
<b>Heatsink Size</b>	Φ48xH50mm
<b>Housing Size</b>	Φ50xH50mm
<b>Material (Heatsink + Housing)</b>	AL 1070+ 6063-T5
<b>Finish</b>	Black Anodized
<b>Weight(g)</b>	86.6
<b>Thermal Wattage</b>	10W
<b>Heatsink<math>\Theta</math>s-a<sup>2</sup></b>	32078
<b>Thermal Resistance</b>	5.0

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-50Fx	
3.0		7.0	21.0
6.0		5.7	34.0
9.0		5.1	46.0
12.0		4.7	56.0
15.0		4.2	63.0

