



for

LED



BuLED

BuLED-50F-PRO LED light accessory to replace MR16 fitting for Prolight modulars

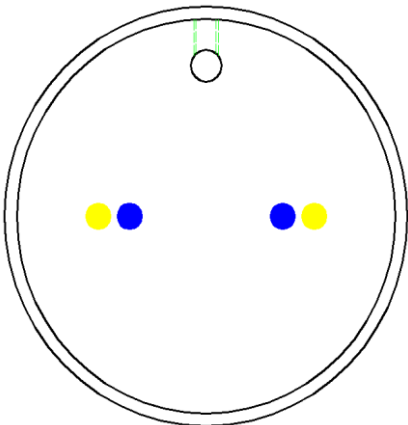
Features VS Benefits

- * BuLED-50F LED light accessory includes one LED cooler and one LED housing to be assembled with Prolight 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 Prolight COB series 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 Prolight 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.



Prolight LED engines Mounting Options

COB CI Series Modules names:

- PACB-5xxx-xxxx ;
- PACB-7xxx-xxxx ;
- PACB-9xxx-xxxx ;

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

COB BI Series Modules names:

- PABA-15xxx-xxxx ;
- PABA-26xxx-xxxx ;
- PABA-35xxx-xxxx ;

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

COB BS Series Modules names:

- PABS-6xxx-xxxx ;
- PABS-9xxx-xxxx ;

For the blue indicator marks.
Direct mounting with machine screws M3x6.5mm;

Mounting Options and Drawings & Dimensions

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

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

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

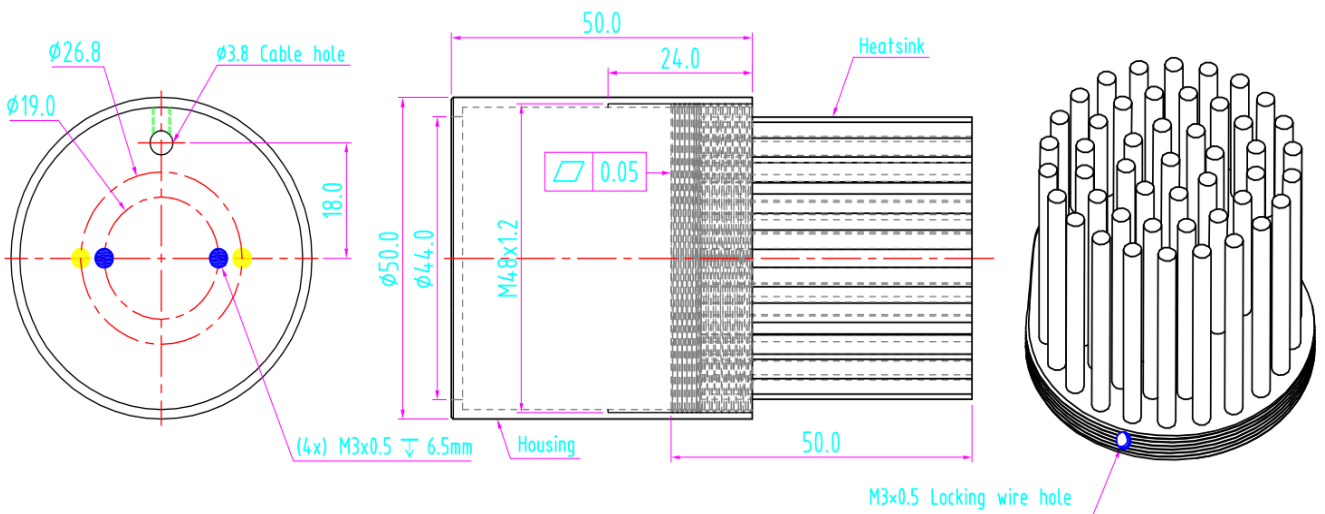
- 2** Mounting Options - see graphics for details Combinations available
 Ex.order code - 12
 means option 1 and 2 combined



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	COB CI Series COB BS Series	/	M3	6.5mm	19.0mm/ 2-@180°
2	COB BI Series	/	M3	6.5mm	26.8mm/ 2-@180°



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The thermal data table

	 BuLED
Model No.	BuLED-50F-PRO
Heatsink Size	Φ48xH50mm
Housing Size	Φ50xH50mm
Material (Heatsink + Housing)	AL1070 + AL6063-T5
Finish	Black Anodized
Weight(g)	93.0
Thermal Wattage	15.0W
HeatsinkΘs-a²	23458
Thermal Resistance	3.7

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-PRO	BuLED-50F-PRO
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

