



for

LED



BuLED

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

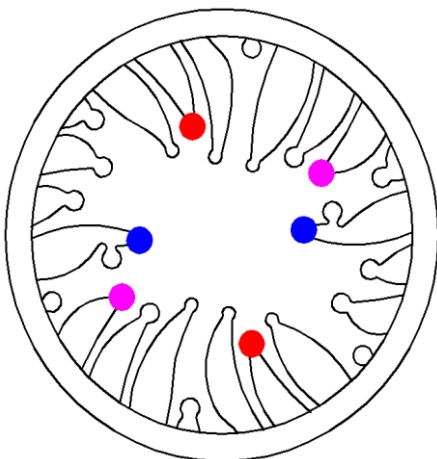
Features VS Benefits

- * BuLED-50E 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 from 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.
- * Extruded 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-50E 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 ;

With Zhaga Book 11 for red indicator marks:
 BJB Holder:47.319.6060.50;
 Direct mounting with machine screws M3x6.5mm;
 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 pink 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-50E-PRO-B-1,2

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

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

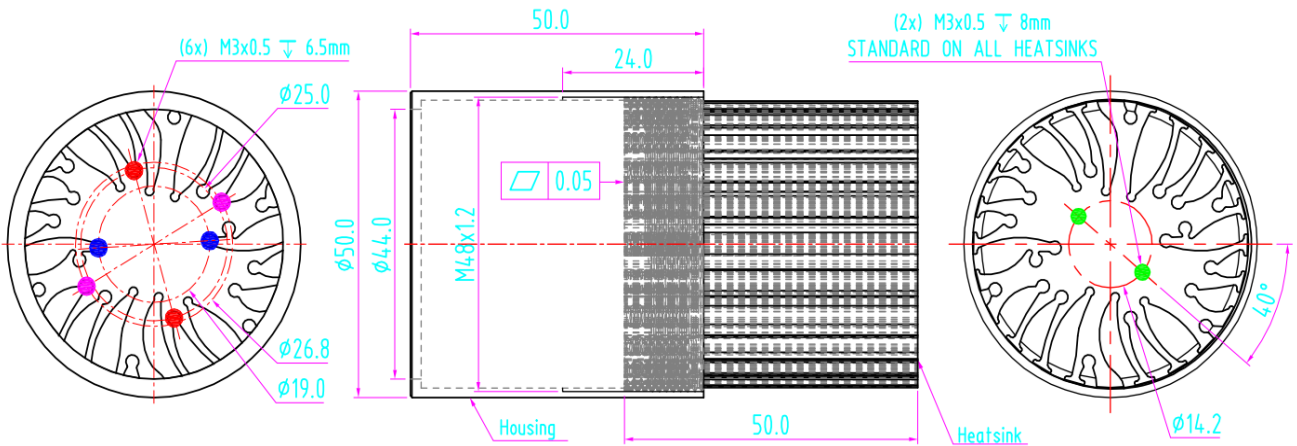
- 2** Mounting Options - see graphics for details Combinations available
 Ex.order code - 12
 means option 1 and 2 combined



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 CI Series	BJB 47.319.6060.50;	M3	6.5mm	25.0mm/ 2-@180°
3	COB BI Series	/	M3	6.5mm	26.8mm/ 2-@180°



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The thermal data table

	 BuLED
Model No.	BuLED-50E-PRO
Heatsink Size	Φ48xH50mm
Housing Size	Φ50xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	160.0
Thermal Wattage	15.0W
HeatsinkOs-a²	36868
Thermal Resistance (°C/W)²	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-50E-PRO	BuLED-50E-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

