



for

LED

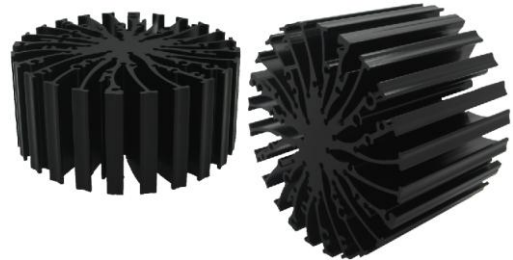


EtraLED

EtraLED-PRO-9680 Prolight Modular Passive Star LED Heat Sink Φ 96mm

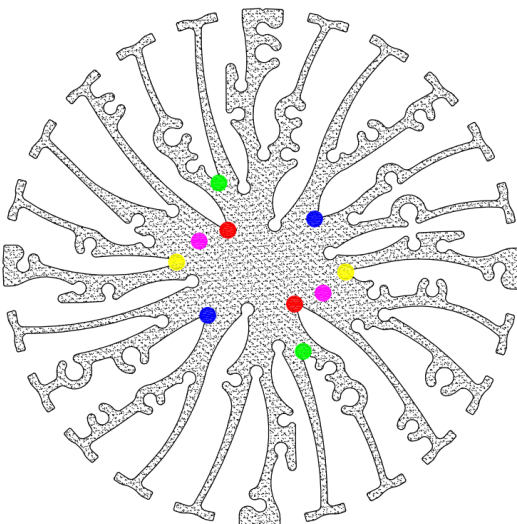
Features VS Benefits

- * The EtraLED-PRO-9680 Prolight Modular Passive LED Coolers are specifically designed for luminaires using the Prolight LED engines.
- * 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 1200 to 6400 lumen.
- * Thermal resistance range Rth 0.92°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Prolight N SERIES CI Series, CII SERIES, CIII SERIES BI SERIES and BS SERIES engines.
- * Diameter 96mm - standard height 80mm Other heights on request.
- * Extruded from highly conductive aluminum.



Prolight LED engine and radiator assembly directly Mounting Options

- * Below you find an overview of Prolight COB's and LED modules which standard fit on the EtraLED Star LED Heat Sinks.
- * In this way mechanical after work and related costs can be avoided, and lighting designers can standardize their designs on a limited number of LED coolers.



Prolight COB engines Mounting Options

COB CI Series Modules names:

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

Pink indicator marks: Zhaga Book 11 BJB Holder:47.319.6060.50;
 Green indicator marks: Zhaga Book3 BJB Holder:47.319.2040.50
 Mounting with machine screws M3x8mm ;
 Red indicator marks ;
 Direct mounting machine screws M3x6mm ;

COB CII SERIES Modules names:

- PACC-18xxx-xxxx ;

Blue indicator marks:
 Direct mounting with machine screws M3x6mm;

COB CIII SERIES Module names:

- PACD-40xxx-xxxx ;

Yellow indicator marks:
 Direct mounting with machine screws M3x6mm;

COB BI SERIES Module names:

- PABA-10xxx-xxxx ; PABA-26xxx-xxxx ;
- PABA-15xxx-xxxx ; PABA-35xxx-xxxx ;
- PABA-22xxx-xxxx ; PABA-50xxx-xxxx ;

Green indicator marks: Zhaga Book3 BJB Holder:47.319.2040.50;
 Mounting with machine screws M3x8mm;
 Blue indicator marks:
 Direct mounting with machine screws M3x6mm;

COB BS SERIES Modlue names:

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

Red indicator marks:
 Direct mounting with machine screws M3x6mm;

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Mounting Options and Drawings & Dimensions

Example: EtraLED-PRO-9680-B-3

Example: EtraLED-PRO-96 **1** - **2** - **3**

1 Height (mm)

2 Anodising Color

B-Black

C-Clear

Z-Custom

3 Mounting options;

On request;

Mounting holes, cable holes;

Screw thread, thermal interface pad.



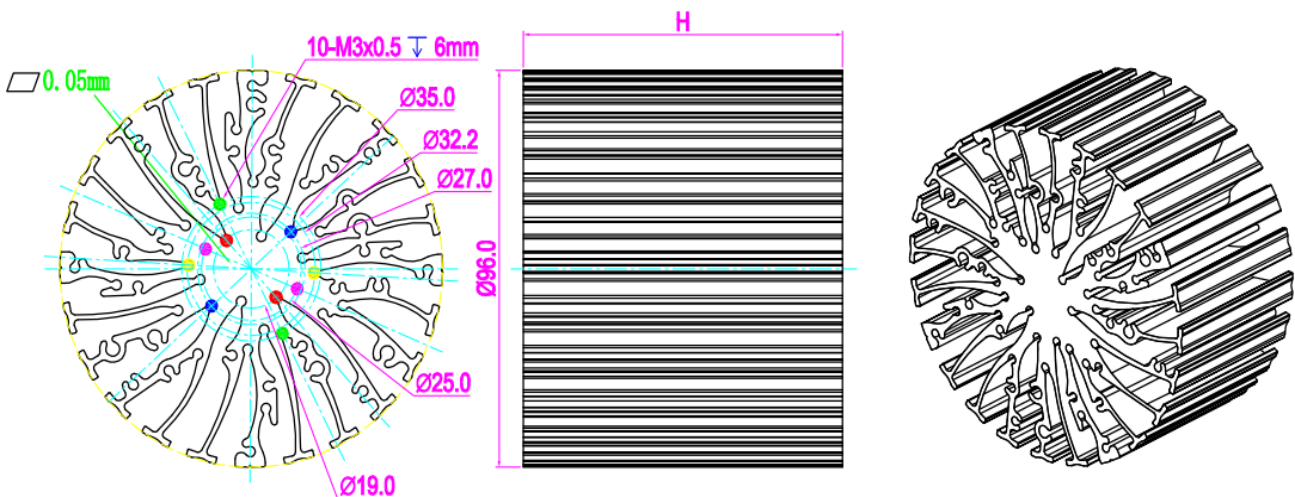
ProLight Opto
Technology Corporation



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 SERIRS	/	M3	6mm	19mm/ 2-@180°
2	COB CI Series	BJB:47.319.6060.50;	M3	6mm	25mm/ 2-@180° Zhaga Book 11
3	COB N SERIRS COB BI SERIRS COB CII SERIRS	/	M3	6mm	27mm/ 2-@180°
4	COB CIII SERIRS	/	M3	6mm	32.2mm/ 2-@180°
5	COB CI Series COB BI SERIRS	BJB:47.319.2040.50;	M3	6mm	35mm/ 2-@180° Zhaga Book3



EtraLED

EtraLED-PRO-9680 Prolight Modular Passive Star LED Heat Sink Φ 96mm

The thermal data table

	
	<i>EtraLED-9680</i>
Model No.	EtraLED-PRO-9680
Size	Φ96xH80mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	575.0
Thermal Wattage	49.2W
HeatsinkΘs-a²	180427
Heat Sink T Rise Above Ambient	0.92

Dissipated Power Pd(W)	Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}$ C/W)	Heat sink to ambient temperature rise Ths-amb ($^{\circ}$ C)
		EtraLED-PRO-9680	EtraLED-PRO-9680
5		3.4	17.5
15		1.43	21.5
20		1.32	26.4
25		1.21	30.3
30		1.32	39.6
35		1.15	40.3
40		1.12	44.8
45		1.08	48.6
50		1.02	51

