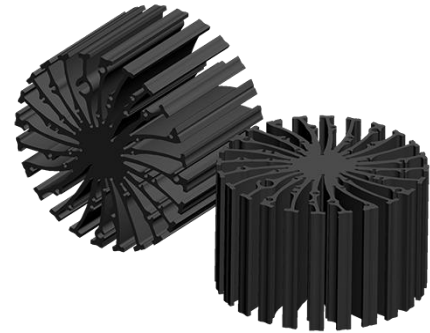


EtraLED

EtraLED-PHI-13050 for Philips Modular Passive Star LED Heat Sink Φ 130mm

Features VS Benefits

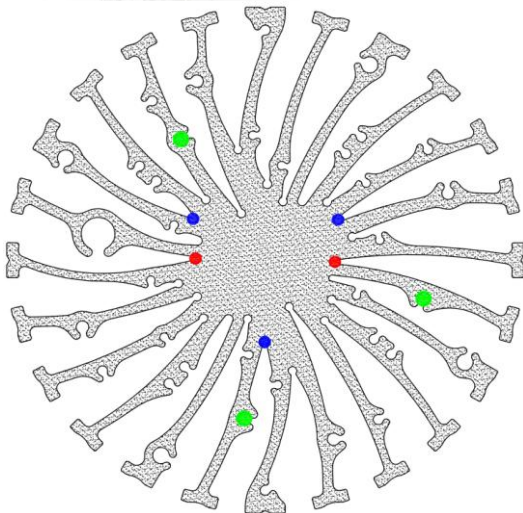
- * The EtraLED-PHI-13050 Philips Modular Passive LED Coolers are specifically designed for luminaires using the Philips LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 2500 to 6500 lumen.
- * Thermal resistance range Rth 0.9°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Philips Fortimo SLM, Fortimo DLM and DLM-Integrated LED engines.
- * Diameter 130mm - standard height 50mm Other heights on request.
- * Extruded from highly conductive aluminum.



Zhaga LED engine and radiator assembly is a unified future international standardization

- * Below you find an overview of Philips COB's and LED modules which standard fit on the EtraLED coolers.
- * 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.

PHILIPS



Philips LED engines for which Zhaga book3 LED Modules holders are available.

For the Fortimo SLM LED engines.

- Philips Fortimo SLM LED modular Gen4:
- Fortimo LED SLM 3000LM xxx L15 G4;
- Fortimo LED SLM 4500LM xxx L19 G4;
- Philips Fortimo SLM LED modular Gen3:
- Fortimo LED SLM 3000LM xxx L19 G3;
- Fortimo LED SLM 4500LM xxx L22 G3;
- Fortimo LED SLM 4000LM xxx L22 G3;
- Philips Fortimo SLM LED modular Gen2:
- Fortimo LED SLM 1300LM xxx L13 G2;
- Fortimo LED SLM 2000LM xxx L19 G2;
- Fortimo LED SLM 3000LM xxx L19 G2;

NO`1: Blue indicator marks:

Direct mounting with machine screws M3x8mm;

NO`2: With Zhaga Book 3 LED holder for red indicator marks.

Direct mounting with machine screws M3x8mm;

For the Fortimo DLM-Integrated LED engines.

- Fortimo LED DLM 1100 XXX;
- Fortimo LED DLM 2000 XXX;
- Fortimo LED DLM 3000 XXX;
- Fortimo LED DLM 5000 XXX;

For the Fortimo DLM LED engines.

- Fortimo LED DLM-Integrated1100 XXX;
- Fortimo LED DLM-Integrated 2000 XXX;

Green indicator marks:

Direct mounting with machine screws M4x10mm;



for

LED



EtraLED

EtraLED-PHI-13050 for Philips Modular Passive Star LED Heat Sink Φ 130mm

Mounting Options and Drawings & Dimensions

Example: EtraLED-PHI-13050-B-3

Example: EtraLED-PHI-130 **1** - **2** - **3**

- 1** Height (mm)
- 2** Anodising Color
B-Black
C-Clear
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available
Ex.order code - 12
means option 1 and 2 combined

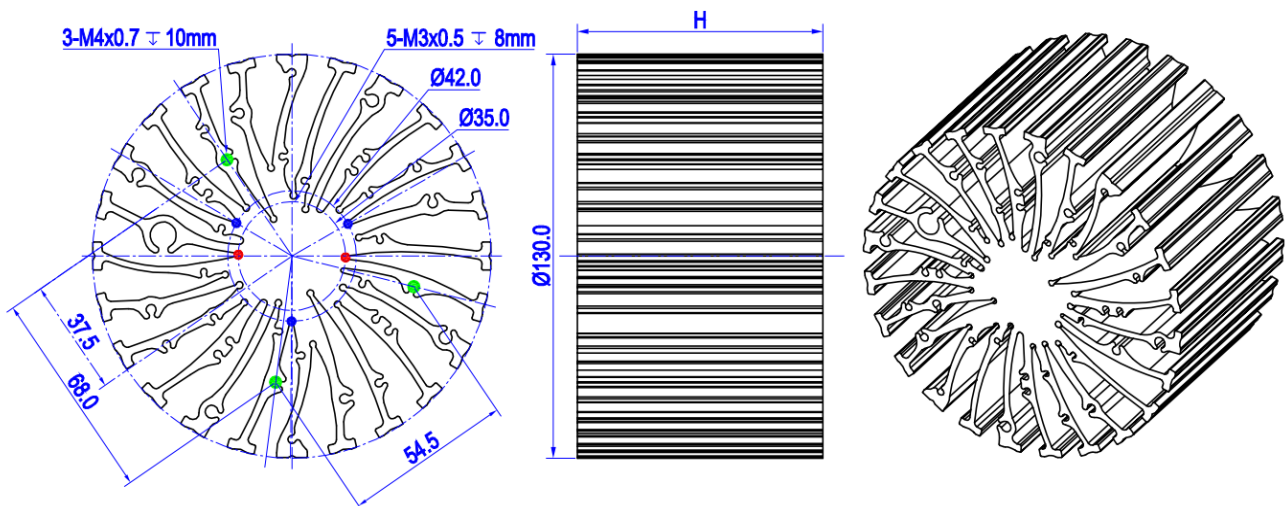
Notes:

- 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.

PHILIPS



MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	Fortimo SLM	/	M3	8mm	35.0mm/ 2-@180°
2		/	M3	8mm	42.0mm/ 3-@120°
3	Fortimo DLM Fortimo DLM1	/	M4	10mm	(54.5mm x 68.0)



EtraLED

EtraLED-PHI-13050 for Philips Modular Passive Star LED Heat Sink Φ 130mm

The thermal data table

	
	<i>EtraLED-13050</i>
Model No.	EtraLED-PHI-13050
Size	Φ130xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	684.0
Thermal Wattage	56.5W
HeatsinkΘs-a²	157205
Heat Sink T Rise Above Ambient	0.90

Dissipated Power Pd(W)	Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		EtraLED-PHI-13050	EtraLED-PHI-13050
12.0		1.40	17.00
24.0		1.25	30.00
35.0		1.15	40.00
47.0		1.00	47.00
58.0		0.90	52.00
70.0		0.80	63.00

