



for

LED

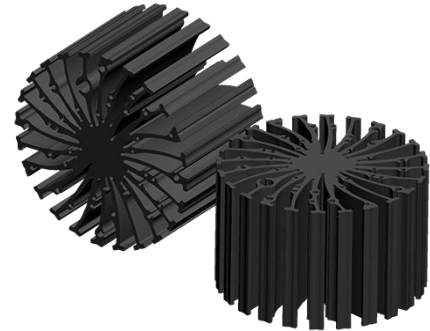


EtraLED

EtraLED-PHI-130100 for Philips Modular Passive Star LED Heat Sink Φ 130mm

Features VS Benefits

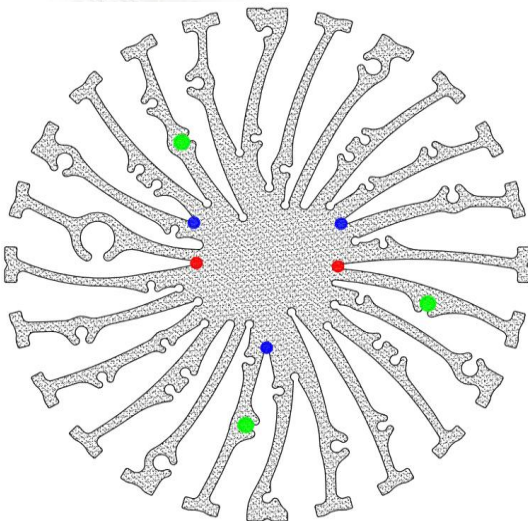
- * The EtraLED-PHI-130100 Philips Modular Passive LED Coolers are specifically designed for luminaires using the Philips LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 2500 to 8800 lumen.
- * Thermal resistance range R_{th} 0.65°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 100mm 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;



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Mounting Options and Drawings & Dimensions

Example: EtraLED-PHI-130100-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

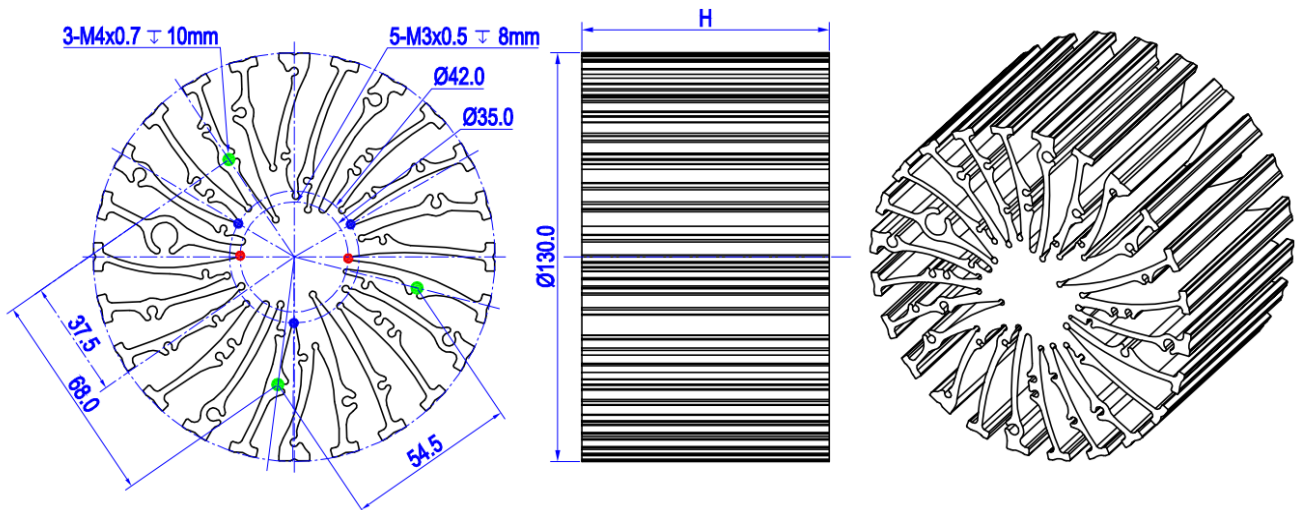
Notes:

- 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)



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The thermal data table

	 <p><i>EtraLED-130100</i></p>
Model No.	EtraLED-PHI-130100
Size	Φ130xH100mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	1384.0
Thermal Wattage	76.2W
HeatsinkΘs-a²	304263
Heat Sink T Rise Above Ambient	0.65

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-130100	EtraLED-PHI-130100
15		1.20	18.0
25		1.00	25.0
30		0.95	28.5
40		0.75	30.0
50		0.70	35.0
55		0.68	37.4
65		0.67	43.6
75		0.65	48.8

