

SimpoleD

SimpoleD-SHA-16050 for Sharp Modular Passive LED Cooler Φ 160mm

Features VS Benefits

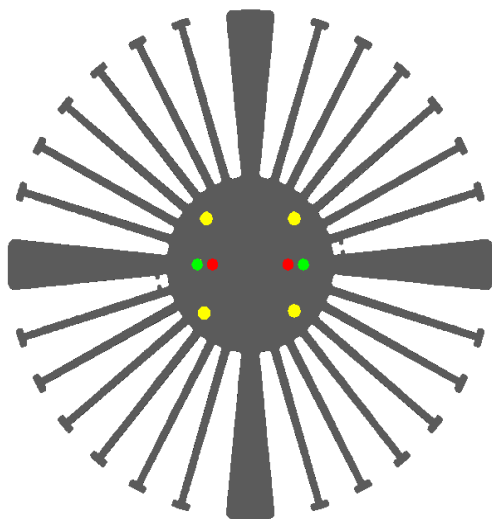
- * The SimpoleD-SHA-16050 SHARP Modular Passive LED Coolers are specifically designed for luminaires using the SHARP LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 2500 to 8600 lumen.
- * Thermal resistance range Rth 0.68°C/W.
- * Modular design with mounting holes foreseen for direct mounting of SHARP Kaku Zenigata and Mega Zenigata LED engines.
- * Diameter 160mm - 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 SHARP engines COB's and LED modules which standard fit on the SimpoleD 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.

SHARP



Sharp LED Modules Mounting indicator marks overview

Mega Zenigata LED modules name:

GW6DME27XFC;
GW6DME30XFC;
GW6DME40XFC;
GW6DME50XFC;

GW6DGE27XFC;
GW6DGE30XFC;
GW6DGE40XFC;
GW6DGE50XFC;

Zhaga Book3 connector:

BJB Spotlight connector:47.319.2011.50;
TE Connectivity:2213130-2
Direct mounting with machine screws M3x8mm;
Green indicator marks

Sharp Kaku Zenigata Modules Mounting Options.

GW7PMS30RFC;
GW7PMS42RFC;

Direct mounting with machine screws M3x6mm;
Yellow indicator marks.



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Mounting Options and Drawings & Dimensions

Example: SimpoleD-SHA-16050-B-3

Example: SimpoleD-SHA-160 **1** - **2** - **3**

1 Height (mm)

2 Anodising Color
 B-Black
 C-Clear
 Z-Custom

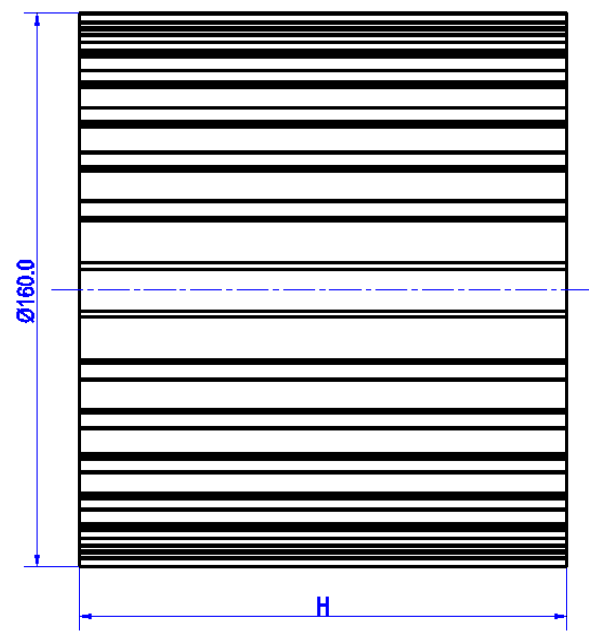
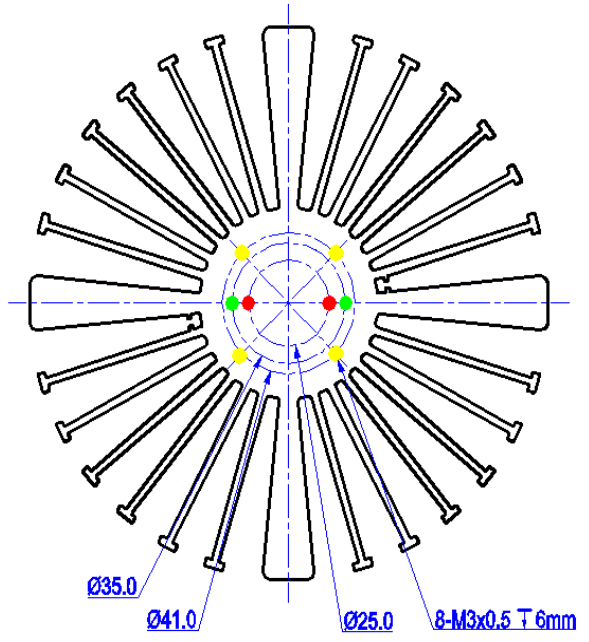
3 Mounting Options - see graphics for details Combinations available
 Ex.order code - 12
 means option 1 and 2 combined

SHARP



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
2	Mini ZENIGATA	BJB:(47.319.6180.50)	M3	6mm	25.0mm/ @180°
1	Mega ZENIGATA Tiger Zenigataand	BJB:(47.319.2011.50)	M3	6mm	35.0mm/ @180°
		Type :(2213130-2)			
3	Kaku Zenigata	/	M3	6mm	(41.0mmx41.0mm)x2



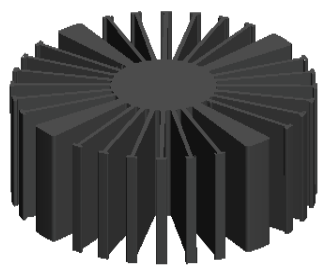
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The thermal data table

	 <i>SimpoleD16050</i>
Model No.	SimpoleD-SHA-16050
Size	Φ160xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	1052.0
Thermal Wattage	71.3W
HeatsinkOs-a²	179161
Heat Sink T_{Rise Above Ambient}	0.68

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)
	15.0	30.0	0.92	13.8
			0.83	24.9
			0.78	35.1
			0.70	42.0
			0.67	50.3
			0.60	54.0
			0.55	55.0

