

SimpoleLED

SimpoleLED-SHA-160100 for Sharp Modular Passive LED Cooler Φ 160mm

Features VS Benefits

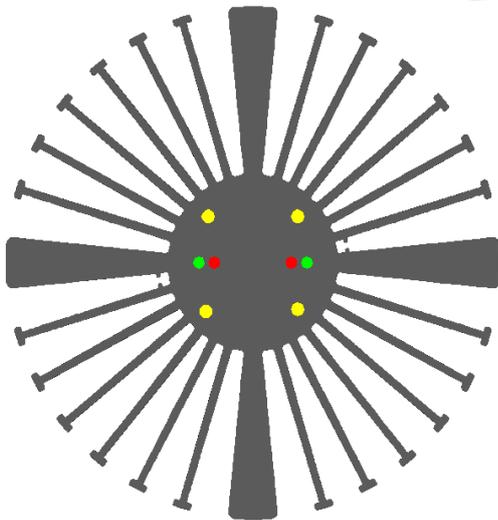
- * The SimpoleLED-SHA-160100 SHARP Modular Passive LED Coolers are specifically designed for luminaires using the SHARP LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 2500 to 12000 lumen.
- * Thermal resistance range Rth 0.48°C/W.
- * Modular design with mounting holes foreseen for direct mounting of SHARP Kaku Zenigata and Mega Zenigata LED engines.
- * Diameter 160mm - 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 SHARP engines COB's and LED modules which standard fit on the SimpoleLED 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.



for

LED



SimpoleD

SimpoleD-SHA-160100 for Sharp Modular Passive LED Cooler Φ 160mm

Mounting Options and Drawings & Dimensions

Example: SimpoleD-SHA-160100-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

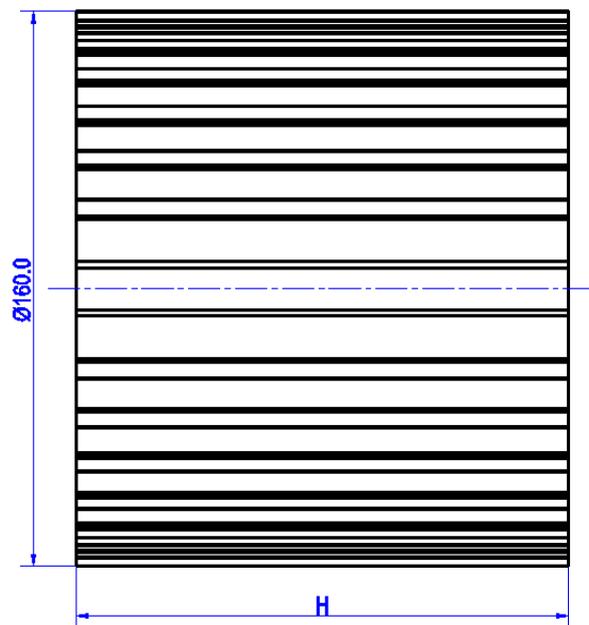
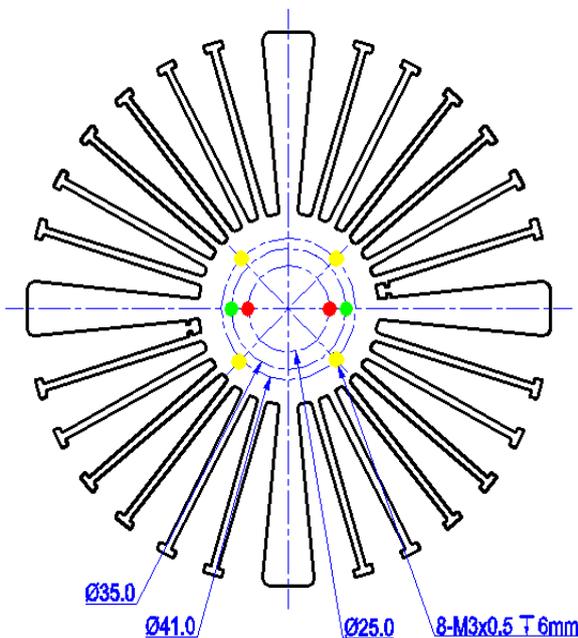
Notes:

- 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.

SHARP



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



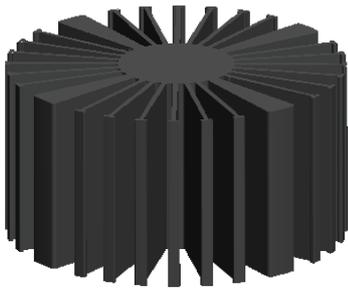
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SimpoleD

SimpoleD-SHA-160100 for Sharp Modular Passive LED Cooler Φ 160mm

The thermal data table

	 <p><i>SimpoleD160100</i></p>
Model No.	SimpoleD-SHA-160100
Size	Φ160xH100mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	2104.0
Thermal Wattage	100.2W
HeatsinkΘs-a²	324742
Heat Sink T_{Rise Above Ambient}	0.48

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)
			SimpoleD-SHA-160100	SimpoleD-SHA-160100
15.0			0.64	9.6
30.0			0.56	16.8
45.0			0.52	23.4
60.0			0.50	30.0
75.0			0.48	36.0
90.0			0.46	41.4
100.0			0.48	48.0

