

*SimpoleD*

**SimpoleD-EDI-160100 for Edison Modular Passive LED Cooler Φ160mm**

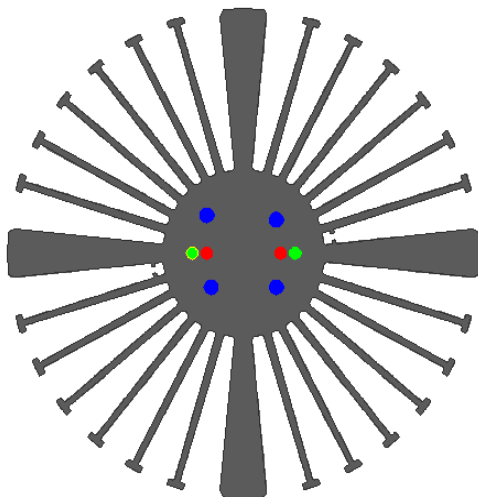
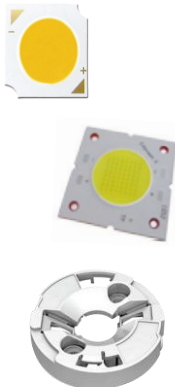
**Features VS Benefits**

- \* The SimpoleD-EDI-160100 Edison Modular Passive LED Coolers are specifically designed for luminaires using the Edison 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 11000 lumen.
- \* Thermal resistance range Rth 0.48°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of Edison EdiLex II COB 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 Edison 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.



**Edison LED engines Mounting Options**

For the EdiLex Spot Light Module (SLM).

- 5PHR35WWS0010001;
- 5PHR35NWS0010001;

Zhaga Book3 Green indicator marks:

Direct mounting with machine screws M3x8mm;

For the EdiLex II HM Series LED engines.

- 2PHM30WW27P13001;
- 2PHM30NW27P13001;
- 2PHM30CW27P13001;

BJB holder:47.319.2021.50;  
AAG.STUCCHI holder:8101-G2.

- 2PHM40WW27P16001;
- 2PHM40NW27P16001;
- 2PHM40CW27P16001;

BJB holder:47.319.2030.50;  
AAG.STUCCHI holder:8101-G2.

Zhaga Book3 Green indicator marks

Mounting with machine screws M3x8mm;

For the EdiLex II HM CRI90 Series LED engines.

- 2PHM30WW38P13001;
- 2PHM30NW38P13001;
- 2PHM30CW38P13001;

BJB holder:47.319.2021.50;  
AAG.STUCCHI holder:8101-G2.

- 2PHM40WW38P16001;
- 2PHM40NW38P16001;
- 2PHM40CW38P16001;

BJB holder:47.319.2030.50;  
AAG.STUCCHI holder:8101-G2.

Zhaga Book3 Green indicator marks

Mounting with machine screws M3x8mm;

**Edison LED engines directly Mounting Options**

For the EdiLex II SD Series LED engines.

- 2PSD60WW05P04001;
- 2PSD60NW05P04001;
- 2PSD60CW06P04001;
- 2PSDA2WW05P04001;
- 2PSDA2NW05P04001;
- 2PSDA2CW06P04001;

Direct mounting with machine screws M4x6mm;  
Blue indicator marks.

Please refer to the "<http://www.edison-opto.com>" data provided on the manual.



for

LED



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**Mounting Options and Drawings & Dimensions**

Example: SimpoleD-EDI-160100-B-3

Example: SimpoleD-EDI-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:

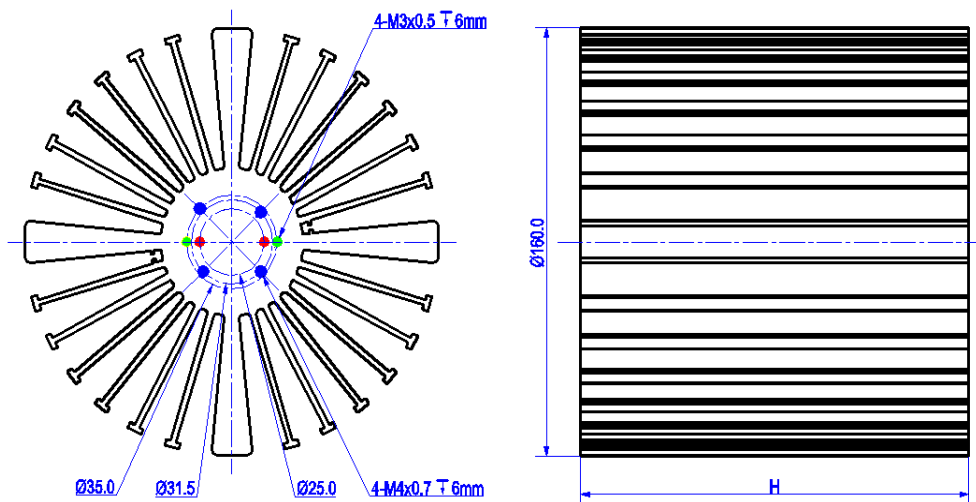
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.



STUCCHI  
ideas are made of light



MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	EdiLex II CAC	Ideal:50-2000CR	M3	6mm	25.0mm/ 2-@180°
		BJB:47.319.6120.50			
2	EdiLex II SD	/	M4	6mm	31.5mm/ 4-@90°
3	EdiLex II HM	AAG.STUCCHI (8101-G2) (8102-G2)	M3	6mm	35.0mm/ 2-@180°
		BJB (47.319.2021.50) (47.319.2030.50)			
	EdiLex II SLM	/			



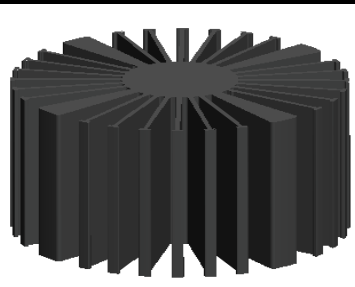
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The thermal data table

	 <p><i>SimpoleD-160100</i></p>
<b>Model No.</b>	<b>SimpoleD-EDI-160100</b>
<b>Size</b>	<b><math>\Phi</math>160xH100mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(gr)</b>	<b>2104.0</b>
<b>Thermal Wattage</b>	<b>100.2W</b>
<b>Heatsink<math>\Theta</math>s-a<sup>2</sup></b>	<b>324742</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>0.48</b>

Dissipated Power Pd(W)	Pd = Pe x (1- $\eta$ L)	
	Heat sink to ambient thermal resistance Rhs-amb ( $^{\circ}$ C/W)	Heat sink to ambient temperature rise Ths-amb ( $^{\circ}$ C)
	SimpoleD-EDI-160100	SimpoleD-EDI-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

