



for

LED



*SimpoleD*

**SimpoleD-TRI-8180 for Tridonic Modular Passive LED Cooler  $\Phi$ 81mm**

### Features VS Benefits

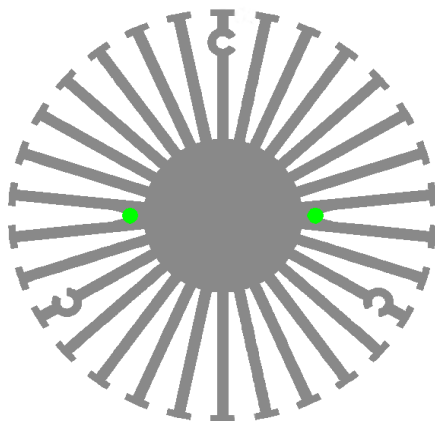
- \* The SimpoleD-TRI-8180 Tridonic Modular Passive LED Coolers are specifically designed for luminaires using the Tridonic LED engines.
- \* Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- \* For spotlight and downlight designs from 900 to 3700 lumen.
- \* Thermal resistance range  $R_{th}1.6^{\circ}C/W$ .
- \* Modular design with mounting holes foreseen for direct mounting of Tridonic TALEX module SLE modules engines.
- \* Diameter 81mm - standard height 80mm 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 Tridonic COB's 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.

**TRIDONIC**  
enlightening your ideas



Zhaga Book3 Spot Light LED engines  
LED COB's for which Zhaga book3 LED Modules holders are available

#### SLE G4 Excite LED Modules:

- SLE 23mm 5000lm – Operating mode HE at 700 mA
- SLE G4 23mm 5000lm 930 C EXC;
- SLE G4 23mm 5000lm 940 C EXC;

#### SLE G4 Advanced LED Modules:

- SLE 23mm 5000lm – Operating mode HE at 700 mA
- SLE G4 23mm 5000lm 830 C ADV;
- SLE G4 23mm 5000lm 840 C ADV;

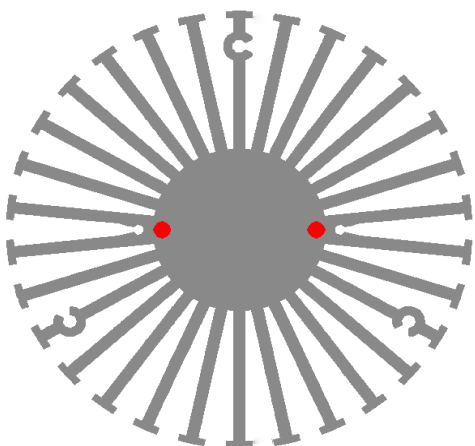
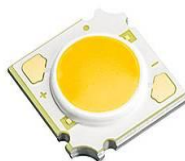
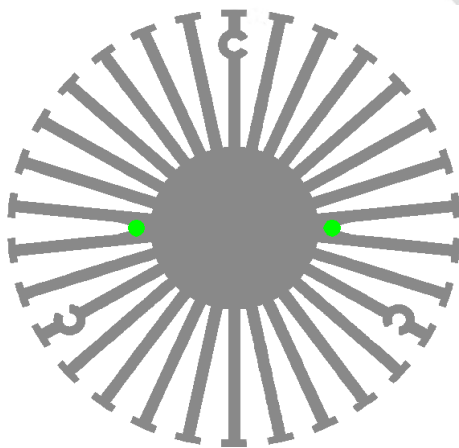
#### STARK SLE Premium LED Modules:

#### STARK SLE 2000 PRE;

- Direct mounting with machine screws M3x6mm;
- Green indicator marks.

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**STARK SLE GEN3 Classic LED Modules:**

- STARK-SLE-19-3000 – Operating mode BLO**
- STARK-SLE-G3-19-3000-830-CLA;
- STARK-SLE-G3-19-3000-840-CLA;
- STARK-SLE-23-3000 – Operating mode BLO**
- STARK-SLE-G3-23-3000-830-CLA;
- STARK-SLE-G3-23-3000-840-CLA;
- STARK-SLE-23-4000 – Operating mode HE at 700 mA**
- STARK-SLE-G3-23-4000-830-CLA;
- STARK-SLE-G3-23-4000-840-CLA;

**STARK SLE GEN3 Select LED Modules:**

- STARK-SLE-19-2000 – Operating mode BLO**
- STARK-SLE-G3-19-2000-930-SEL;
- STARK-SLE-G3-19-2000-940-SEL;
- STARK-SLE-19-3000 – Operating mode BLO**
- STARK-SLE-G3-19-3000-930-SEL;
- STARK-SLE-G3-19-3000-940-SEL;
- STARK-SLE-23-3000 – Operating mode BLO**
- STARK-SLE-G3-23-3000-930-SEL;
- STARK-SLE-G3-23-3000-940-SEL;
- STARK-SLE-23-4000 – Operating mode HE at 700 mA**
- STARK-SLE-G3-23-4000-930-SEL;
- STARK-SLE-G3-23-4000-940-SEL;

Direct mounting with machine screws M3x6mm;  
Green indicator marks.

**Tridonic LED Modules directly Mounting Options**

**SLE G4 Excite LED Modules:**

- SLE 15mm 2000lm – Operating mode HO at 700 mA**
- SLE G4 15mm 2000lm 930 C EXC;
- SLE G4 15mm 2000lm 940 C EXC;

**SLE G4 Advanced LED Modules:**

- SLE 15mm 2000lm – Operating mode HO at 700 mA**
- SLE G4 15mm 2000lm 830 C ADV;
- SLE G4 15mm 2000lm 840 C ADV;

Direct mounting with machine screws M3x6mm;  
Blue indicator marks.

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**Mounting Options and Drawings & Dimensions**

Example: SimpoleD-TRI-8180-B-3

Example: SimpoleD-TRI-81 **1** - **2** - **3**

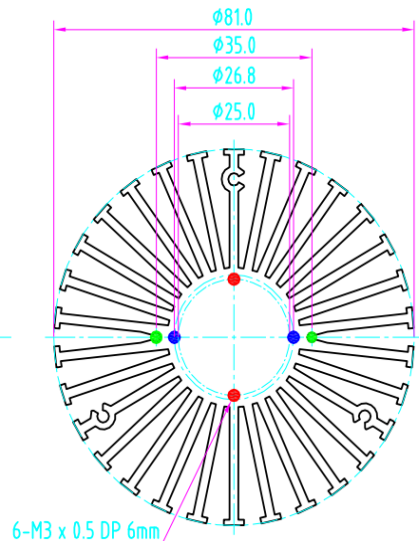
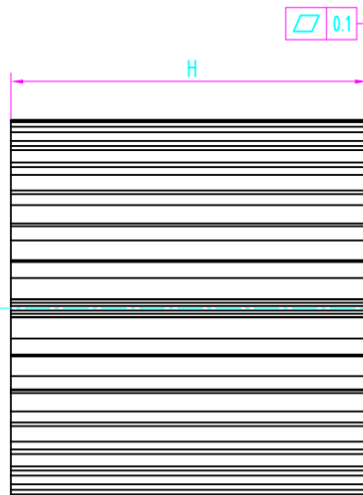
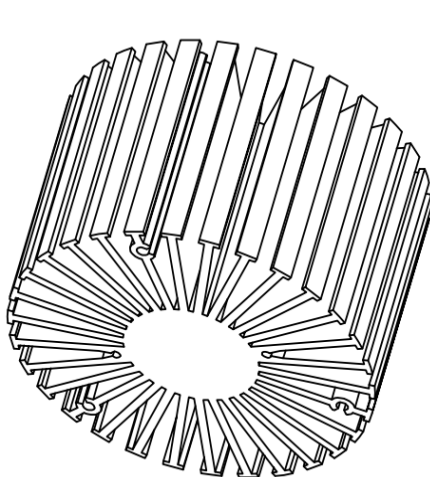
- 1** Height (mm)
- 2** Anodising Color
  - B-Black
  - C-Clear
  - Z-Custom
- 3** Mounting Options - see graphics for details Combinations available  
Ex.order code - 12  
means option 1 and 2 combined



**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.

MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	SLE G4 10mm R SNC; STARK SLE GEN3 Mini Classic; STARK SLE GEN3 Mini Select; STARK SLE GEN3 Art;	BJB (47.319.6060.50)	M3	6mm	25.0mm/ 2-@180° (Zhaga Book11)
2	SLE G4 Advanced; SLE G4 Excite;	/	M3	6mm	26.8mm/ 2-@180°
3	STARK SLE GEN3 Classic; SLE G4 Excite; SLE G4 Advanced ; STARK SLE GEN3 Select; STARK SLE Premium;	/	M3	6mm	35.0mm/ 2-@180° (Zhaga Book3)







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The thermal data table

	 <i>SimpoleD-8180</i>
<b>Model No.</b>	<b>SimpoleD-TRI-8180</b>
<b>Size</b>	<b>Φ81xH80mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>508.0</b>
<b>Thermal Wattage</b>	<b>31.2W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>148406</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>1.6</b>

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)
		SimpoleD-TRI-8180	SimpoleD-TRI-8180
7.0		2.14	15.0
14.0		1.82	25.5
21.0		1.66	35.0
28.0		1.53	43.0
35.0		1.44	50.7

