



for

LED



*SimpoleD*

**SimpoleD-TRI-16050 for Tridonic Modular Passive LED Cooler  $\Phi$ 160mm**

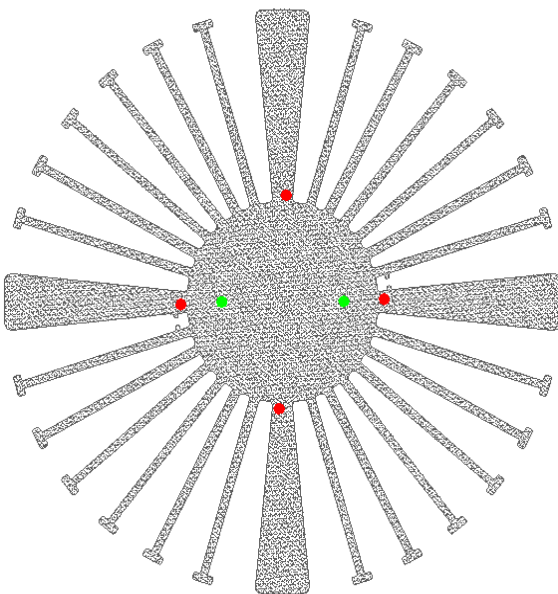
**Features VS Benefits**

- \* The SimpoleD-TRI-16050 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 3600 to 12000 lumen.
- \* Thermal resistance range  $R_{th}$  0.68°C/W.
- \* Modular design with mounting holes foreseen for direct mounting of Tridonic TALEX module SLE modules engines.
- \* Diameter 160mm - standard height 50mm Other heights on request.
- \* Extruded from highly conductive aluminum.



Tridonic 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.



**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 HO at 1,750 mA

**SLE G4 ADVANCED LED Modules:**

SLE 23mm 5000lm – Operating mode HO at 1,750 mA

**STARK SLE GEN3 CLASSIC Modules:**

STARK-SLE-23-4000 – Operating mode HO at 1,750 mA

**STARK SLE GEN3 SELECT LED Modules:**

STARK-SLE-23-4000 – Operating mode HO at 1,750 mA

**STARK SLE GEN3 FASHION Modules:**

STARK-SLE-23 – Operating mode HO at 1.750 mA

**STARK SLE GEN3 ART Modules:**

STARK-SLE-23 – Operating mode HO at 1.750 mA

**STARK SLE GEN3 Food LED Modules:**

STARK-SLE-23 – Operating mode HO at 1,750 mA

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





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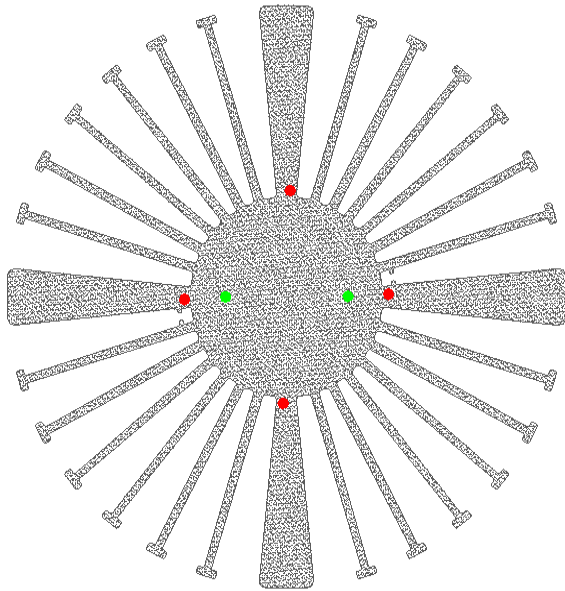


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**TRIDONIC**

enlightening your ideas



Tridonic LED Modules Mounting indicator marks overview

Tridonic FLE Modules name:

STARK-FLE-LES30 – Operating mode at 900 mA

STARK-FLE-G1-LES30-830-CLA

STARK-FLE-G1-LES30-840-CLA

STARK-FLE-G1-LES30-765-IND

STARK-FLE-LES30 – Operating mode at 1,400 mA

STARK-FLE-G1-LES30-830-CLA

STARK-FLE-G1-LES30-840-CLA

STARK-FLE-G1-LES30-765-IND

STARK-FLE-LES30 – Operating mode at 1,750 mA

STARK-FLE-G1-LES30-830-CLA

STARK-FLE-G1-LES30-840-CLA

STARK-FLE-G1-LES30-765-IND

STARK-FLE-LES40 – Operating mode at 1,750 mA

STARK-FLE-G1-LES40-830-CLA

STARK-FLE-G1-LES40-840-CLA

STARK-FLE-G1-LES40-765-IND

Direct mounting with machine screws M3x6mm;  
Red indicator marks.

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**Mounting Options and Drawings & Dimensions**

Example: SimpoleD-TRI-16050-B-1

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

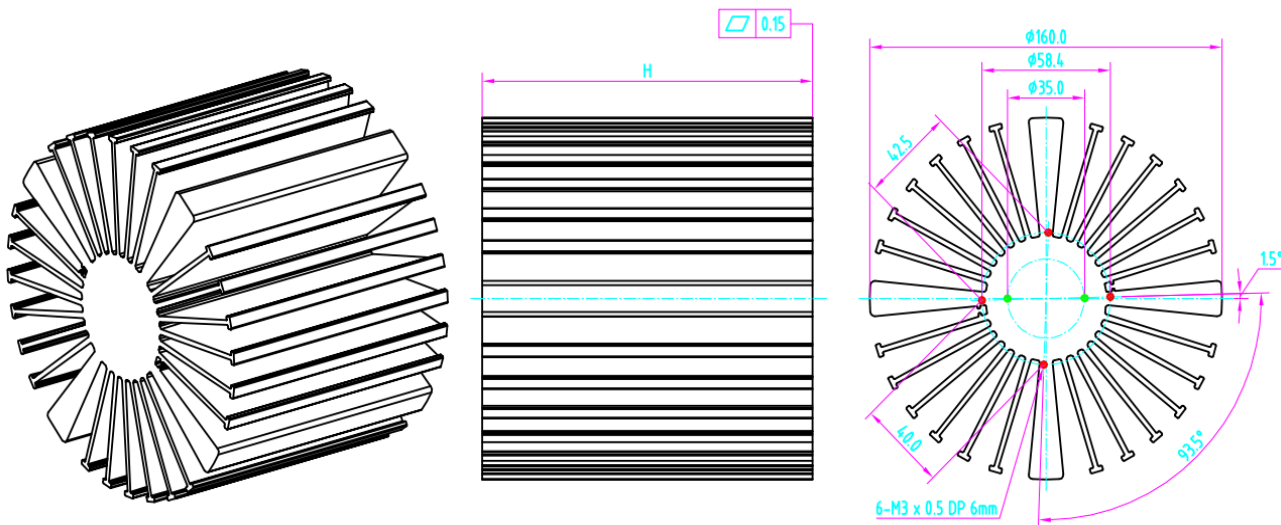
- 1** Height (mm)
- 2** Anodising Color  
B-Black  
C-Clear  
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available  
Ex.order code - 12  
means option 1 and 2 combined



**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.

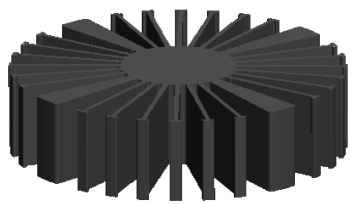
MOUNTING OPTION	Module type	Holder NO.	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
1	SLE G4 EXCITE; SLE G4 ESSENCE; SLE G4 ADVANCED; SLE G4 23mm R SNC; STARK SLE GEN3 SELECT; STARK SLE GEN3 CLASSIC EM; STARK SLE GEN3 CLASSIC; STARK SLE GEN3 Food; STARK SLE GEN3 ART; STARK SLE GEN3 FASHION;	/	M3	6mm	35.0mm/ 2-@180° (Zhaga Book3)
2	STARK FLE	/	M3	6mm	(2x42.5)x(2x40)



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The thermal data table

	 <i>SimpoleD-16050</i>
<b>Model No.</b>	<b>SimpoleD-TRI-16050</b>
<b>Size</b>	<b>Φ160xH50mm</b>
<b>Material</b>	<b>AL6063-T5</b>
<b>Finish</b>	<b>Black Anodized</b>
<b>Weight(g)</b>	<b>1052.0</b>
<b>Thermal Wattage</b>	<b>71.3W</b>
<b>HeatsinkOs-a<sup>2</sup></b>	<b>179161</b>
<b>Heat Sink T Rise Above Ambient</b>	<b>0.68</b>

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	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-16050	SimpoleD-TRI-16050
Dissipated Power Pd(W)	15	0.92	13.8
	30	0.83	24.9
	45	0.78	35.1
	60	0.70	42.0
	75	0.65	48.8
	90	0.60	54.0
	100	0.55	55.0

