



for

LED



SimpoleD

SimpoleD-TRI-5850 for Tridonic Modular Passive LED Cooler Φ 58mm

Features VS Benefits

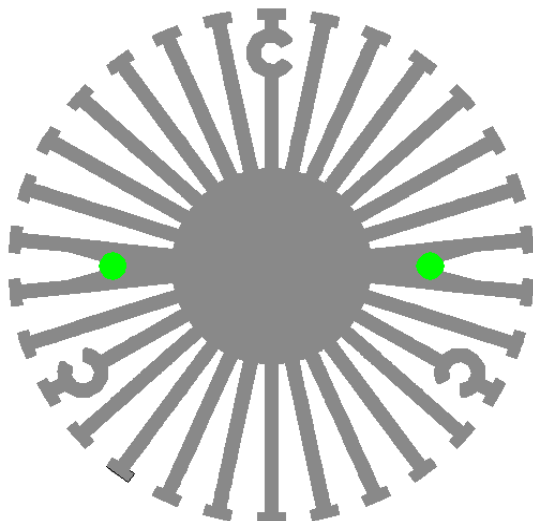
- * The SimpoleD-TRI-5850 Tridonic Modular Passive LED Coolers are specifically designed for luminaires using the Tridonic LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 500 to 1800 lumen.
- * Thermal resistance range Rth 3.7°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Tridonic TALEX module SLE Modules engines.
- * Diameter 58mm - 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 Tridonic COB's which standard fit on the Cool-LED 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.

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

STARK SLE GEN3 Classic LED Modules:

STARK-SLE-19-2000 – Operating mode HE at 350 mA

STARK-SLE-G3-19-2000-830-CLA;

STARK-SLE-G3-19-2000-840-CLA;

STARK-SLE-19-3000 – Operating mode HE at 350 mA

STARK-SLE-G3-19-3000-830-CLA;

STARK-SLE-G3-19-3000-840-CLA;

STARK SLE GEN3 Classic EM LED Modules:

STARK-SLE-19-2000 – Operating mode HE at 350 mA

STARK-SLE-G3-19-2000-830-CLA-EM;

STARK-SLE-G3-19-2000-840-CLA-EM;

Direct mounting with machine screws M3x6mm;
Green indicator marks.



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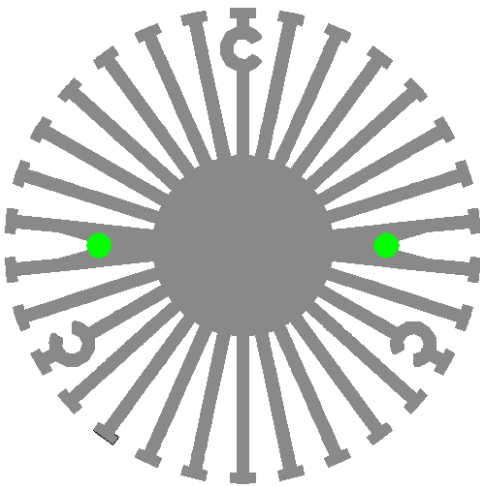
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STARK SLE GEN3 Mini Classic LED Modules:
(BJB Holder:47.319.2021.50)

STARK-SLE-17-2000 – Operating mode HE at 350 mA

STARK-SLE-PURE-G3-17-2000-830-CLA;

STARK-SLE-PURE-G3-17-2000-840-CLA;

STARK SLE GEN3 Select LED Modules:

STARK-SLE-19-2000 – Operating mode HE at 350 mA

STARK-SLE-G3-19-2000-930-SEL;

STARK-SLE-G3-19-2000-940-SEL;

STARK-SLE-19-3000 – Operating mode HE at 350 mA

STARK-SLE-G3-23-3000-930-SEL;

STARK-SLE-G3-23-3000-940-SEL;

STARK SLE GEN3 Mini Select LED Modules:
(BJB Holder:47.319.2021.50)

STARK-SLE-17-2000 – Operating mode HE at 350 mA

STARK-SLE-PURE-G3-17-2000-930-SEL;

STARK-SLE-PURE-G3-17-2000-940-SEL;

STARK SLE GEN3 Art LED Modules:

STARK-SLE-19 – Operating mode HE at 350 mA

STARK-SLE-G3-PURE-19-930-ART;

STARK SLE GEN3 Fashion LED Modules:

STARK-SLE-19 – Operating mode HE at 350 mA

STARK-SLE-PURE-G3-19-FASHION;

STARK SLE GEN3 Food LED Modules:

STARK-SLE-19 – Operating mode HE at 350 mA

STARK-SLE-G3-19-GOLD;

STARK-SLE-G3-19-GOLD+;

STARK-SLE-G3-19-FM;

STARK-SLE-G3-19-MEAT+;

Direct mounting with machine screws M3x6mm;
Green indicator marks.

Tridonic LED Modules directly Mounting Options

SLE G4 Advanced LED Modules:

SLE 15mm 2000lm – Operating mode HE at 350 mA

SLE G4 15mm 2000lm 830 C ADV;

SLE G4 15mm 2000lm 840 C ADV;

Direct mounting with machine screws M3x6mm;
Blue indicator marks.



for

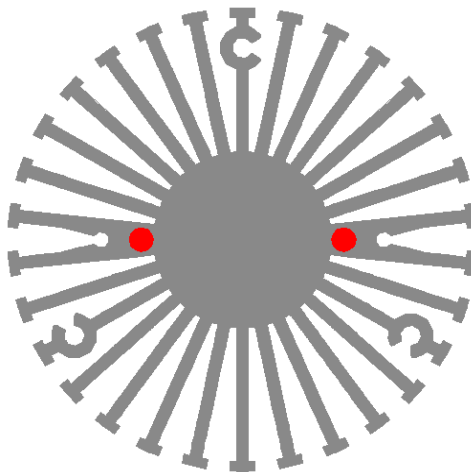
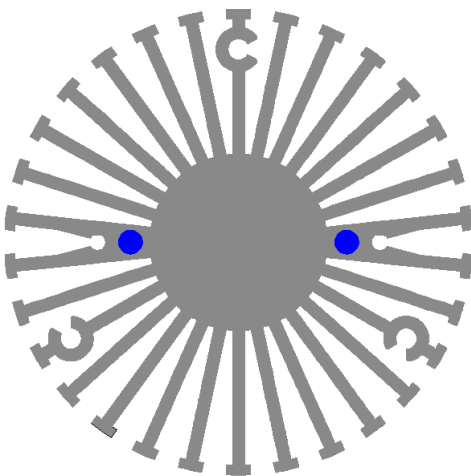
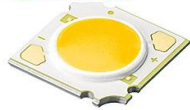
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SLE G4 Excite LED Modules:

SLE 15mm 2000lm – Operating mode HE at 350 mA

SLE G4 15mm 2000lm 930 C EXC;

SLE G4 15mm 2000lm 940 C EXC;

Direct mounting with machine screws M3x6mm;
Blue indicator marks.

SLE G4 10mm R SNC LED Modules: (BJB Holder:47.319.6060.50)

SLE G4 10mm 800lm 827 R SNC;

SLE G4 10mm 800lm 830 R SNC;

SLE G4 10mm 800lm 927 R SNC;

SLE G4 10mm 800lm 930 R SNC;

SLE G4 10mm 1200lm 827 R SNC;

SLE G4 10mm 1200lm 830 R SNC;

SLE G4 10mm 1200lm 840 R SNC;

SLE G4 10mm 1200lm 927 R SNC;

SLE G4 10mm 1200lm 930 R SNC;

SLE G4 10mm 1200lm 940 R SNC;

**STARK SLE GEN3 Mini Classic LED Modules:
(BJB Holder:47.319.6060.50)**

STARK-SLE-10-1000 – Operating mode HO at 700 mA

STARK-SLE-PURE-G3-10-1000-827-CLA;

STARK-SLE-PURE-G3-10-1000-830-CLA;

STARK-SLE-PURE-G3-10-1000-840-CLA;

**STARK SLE GEN3 Mini Select LED Modules:
(BJB Holder:47.319.6060.50)**

STARK-SLE-10-1000 – Operating mode HO at 700 mA

STARK-SLE-PURE-G3-10-1000-930-SEL;

STARK-SLE-PURE-G3-10-1000-940-SEL;

**STARK SLE GEN3 Art LED Modules:
(BJB Holder:47.319.6060.50)**

STARK-SLE-10 – Operating mode HO at 700 mA

STARK-SLE-G3-PURE-10-930-ART;

Direct mounting with machine screws M3x6mm;
Red indicator marks.



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Mounting Options and Drawings & Dimensions

Example: SimpoleD-TRI-5850-B-3

Example: SimpoleD-TRI-58 **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

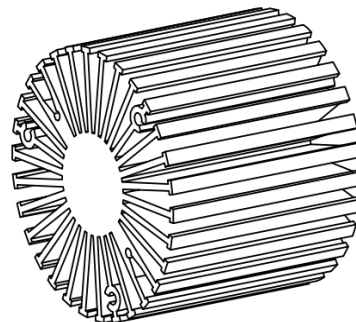
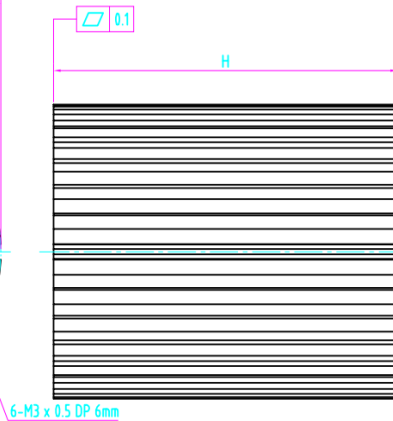
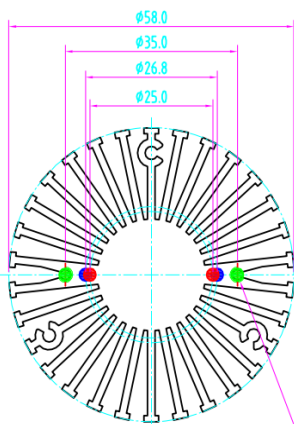
Notes:

- 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.



Note !: option 1 and option 2 can't not be combined

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 Zhaga Book11	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 Mini Classic; STARK SLE GEN3 Mini Select;	BJB:47.319.2021.50 Zhaga Book3	M3	6mm	35.0mm/ 2-@180° (Zhaga Book3)
	STARK SLE GEN3 Classic; STARK SLE GEN3 Classic EM; STARK SLE GEN3 Select; STARK SLE GEN3 Art; STARK SLE GEN3 Fashion; STARK SLE GEN3 Food;	/			



6-M3 x 0.5 DP 6mm

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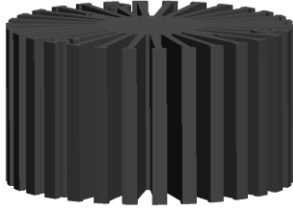
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The thermal data table

	 <i>SimpLED-5850</i>
Model No.	SimpLED-TRI-5850
Size	Φ58xH50mm
Material	AL6063-T5
Finish	Black Anodized
Weight(g)	174.0
Thermal Wattage	12.2W
HeatsinkOs-a²	65036
Heat Sink T_{Rise Above Ambient}	3.7

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)
		SimpLED-TRI-5850	SimpLED-TRI-5850
3.0		4.83	14.5
6.0		4.16	25.0
9.0		3.82	34.4
12.0		3.58	43.0
15.0		3.40	51.0

