



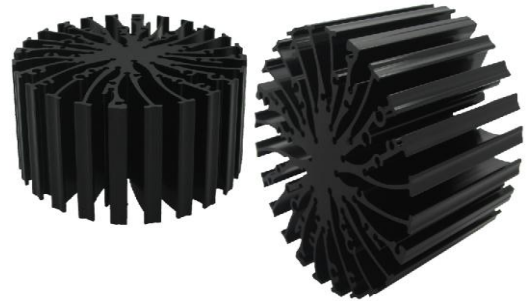
Mingfa TECH for LED

EtraLED

EtraLED-OSR-9680 Osram Modular Passive Star LED Heat Sink Φ 96mm

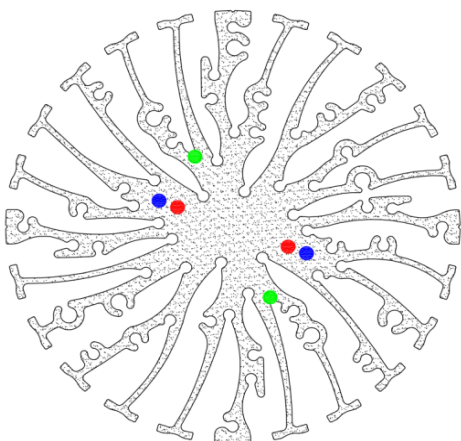
Features VS Benefits

- * The EtraLED-OSR-9680 OSRAM Modular Passive LED Coolers are specifically designed for luminaires using the OSRAM 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 1200 to 5000 lumen.
- * Thermal resistance range Rth 0.92°C/W.
- * Modular design with mounting holes foreseen for direct mounting SOLERIQ P, SOLERIQ E and SOLERIQ S LED engines.
- of OSRAM PrevaLED Core,
- * Diameter 96mm - 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 OSRAM engines COB's and LED modules which standard fit on the EtraLED 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.



OSRAM LED engines Mounting Options

Osram PrevaLED Core AC LED modules.

PL-CORE AC PRO -3000-830;
PL-CORE AC PRO -3000-840;

Osram PrevaLED Core Z3 LED modules.

PL-CORE -3000-830-Z3;
PL-CORE -3000-840-Z3;
PL-CORE -3000-930-Z3;
PL-CORE -5000-830-Z3;
PL-CORE -5000-840-Z3;

Osram PrevaLED Core Z4 LED modules.

PL-CORE-Z4 -3000-930;
PL-CORE-Z4 -4500-930;
PL-CORE-Z4 -5000-830;
PL-CORE-Z4 -5000-835;
PL-CORE-Z4 -5000-840;

Zhaga Book3

Green indicator marks:

Direct mounting with machine screws M3x6mm;

Osram SOLERIQ P13 modules.

GW MAGMB1.CM-SUTR-27S3;
GW MAGMB1.CM-TPTS-30S3;
GW MAGMB1.CM-TPTS-35S3;
GW MAGMB1.CM-TQTT-40S3;

GW MAGMB1.EM-TQTT-27S3;
GW MAGMB1.EM-TRTU-30S3;
GW MAGMB1.EM-TSUP-35S3;
GW MAGMB1.EM-TSUP-40S3;
GW MAGMB1.EM-TSUP-50S3;

Zhaga Book3 Green indicator marks:

BJB holder:47.319.2131.50 ;

IDEAL holder:50-2101CR ;

Direct mounting with machine screws M3x6mm;

Tel:+86-769-39023131

E-fax:+86-(020)28819702 ext:22122

Email:sales@mingfatech.com

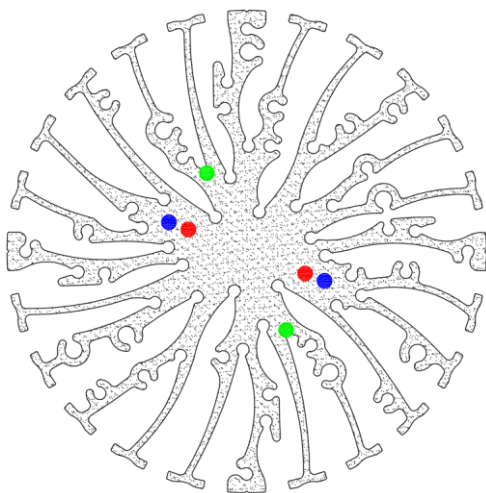
Http://www.heatsinkled.com

Http://www.mingfatech.com





EtraLED EtraLED-OSR-9680 Osram Modular Passive Star LED Heat Sink Φ 96mm



Osram SOLERIQ S19 LED modules:

GW KAHJB1.EM-SSSU-27S3;	GW KAHJB1.EM-SQSS-27S3;
GW KAHJB1.EM-SSSU-30S3;	GW KAHJB1.EM-SQSS-30S3;
GW KAHJB1.EM-STTP-35S3;	GW KAHJB1.EM-SRST-35S3;
GW KAHJB1.EM-STTP-40S3;	GW KAHJB1.EM-SRST-40S3;
GW KAHLB1.EM-TQTS-27S3;	GW KAHLB1.EM-SUTQ-27S3;
GW KAHLB1.EM-TQTT-30S3;	GW KAHLB1.EM-TPTR-30S3;
GW KAHLB1.EM-TRTT-35S3;	GW KAHLB1.EM-TPTR-35S3;
GW KAHLB1.EM-TRTU-40S3;	GW KAHLB1.EM-TQTS-40S3;
GW KAHNB1.CM-TSTU-27S3;	GW KAHNB1.EM-TUUQ-27S3;
GW KAHNB1.CM-TSTU-30S3;	GW KAHNB1.EM-TUUR-30S3;
GW KAHNB1.CM-TTUP-35S3;	GW KAHNB1.EM-UPUR-35S3;
GW KAHNB1.CM-TUUQ-40S3;	GW KAHNB1.EM-UPUS-40S3;

Zhaga Book3
Green indicator marks:
BJB holder:47.319.2170.50 ;
AAG.STUCCHI holder:8503-G2
Direct mounting with machine screws M3x6mm.

Osram SOLERIQ P9 modules.

GW MAFJB1.EM-RTSQ-27S3;	GW MAFJB1.CM-RSSP-27S3;
GW MAFJB1.EM-RUSR-30S3;	GW MAFJB1.CM-RTSQ-30S3;
GW MAFJB1.EM-RUSS-35S3;	GW MAFJB1.CM-RTSR-35S3;
GW MAFJB1.EM-SPST-40S3;	GW MAFJB1.CM-RUSS-40S3;
GW MAFJB1.EM-SPST-50S3;	

Zhaga Book11 Red indicator marks:
BJB holder:47.319.6200.50 ;
AAG.STUCCHI holder:8501-G2
Direct mounting with machine screws M3x6mm;

OSRAM LED engines directly Mounting Options

Osram SOLERIQ E30 LED modules.

GW KAJRB2.EM-STTQ-27H4;
GW KAJRB2.EM-SUTQ-30H4;
GW KAJRB2.EM-TPTR-40H4;
GW KAJRB2.EM-TPTR-50H4;
GW KAJRB2.EM-TPTR-57H4;
GW KAJRB2.EM-TPTR-65H4;

Direct mounting with machine screws M3x6mm;
Blue indicator marks.



LED



EtraLED

EtraLED-OSR-9680 Osram Modular Passive Star LED Heat Sink Ø96mm

Mounting Options and Drawings & Dimensions

Example: EtraLED-OSR-9680-B-3

Example: EtraLED-OSR-96 **1** - **2** - **3**

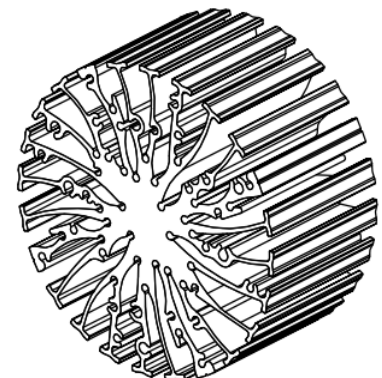
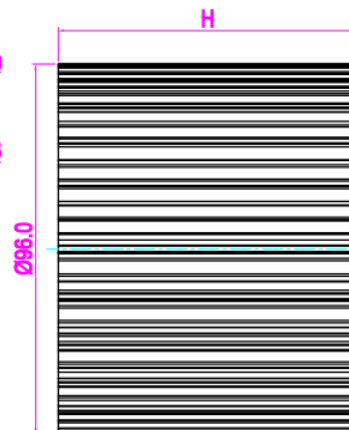
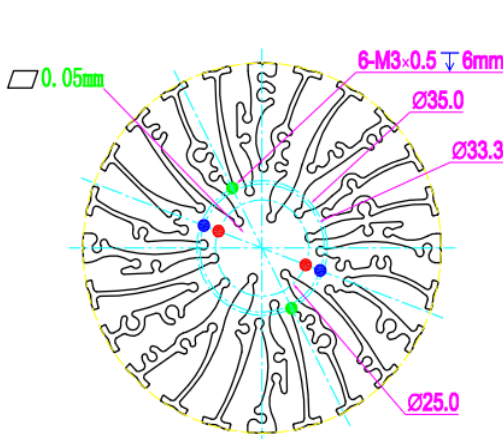
- 1** Height (mm)
- 2** Anodising Color
B-Black
C-Clear
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available
Ex.order code - 12
means option 1 and 2 combined



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
2	SOLERIQ P9	AAG.STUCCHI:8501-G2	M3	6mm	25.0mm/ 2-@180°
		BJB:47.319.6200.50			
3	SOLERIQ E30	/	M3	6mm	33.3mm/ 2-@180°
1	PrevaLED Core AC PrevaLED Core Z3 PrevaLED Core Z4	/	M3	6mm	35.0mm/ 2-@180°
	SOLERIQ S19	AAG.STUCCHI:8503-G2			
		BJB:47.319.2170.50			
	SOLERIQ p13	IDEAL:50-2101CR			
BJB:47.319.2131.50					



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The thermal data table

	
	<i>EtraLED-9680</i>
Model No.	EtraLED-OSR-9680
Size	Φ 96xH80mm
Material	AL6063-T5
Finish	Black Anodized
Weight(gr)	575.0
Thermal Wattage	49.2W
HeatsinkOs-a²	180427
Heat Sink T Rise Above Ambient	0.92

Dissipated Power Pd(W)	Pd = Pe x (1- η L)	Heat sink to ambient thermal resistance Rhs-amb ($^{\circ}$ C/W)	Heat sink to ambient temperature rise Ths-amb ($^{\circ}$ C)
		EtraLED-OSR-9680	EtraLED-OSR-9680
5		3.4	17.5
15		1.43	21.5
20		1.32	26.4
25		1.21	30.3
30		1.32	39.6
35		1.15	40.3
40		1.12	44.8
45		1.08	48.6
50		1.02	51

