

Fax:+86-(020)28819702 ext:22122 Email:sales@mingfatech.com Http://www.heatsinkled.com Http://www.mingfatech.com



Height (mm)
Anodising Color
B-Black
C-Clear
Z-Custom

Ex.order code - 12

Notes:

- Mentioned models are an extraction of full product range.

means option 1 and 2 combined

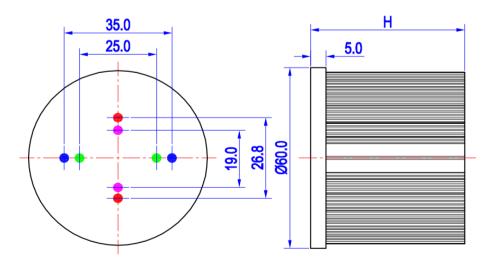
details Combinations available

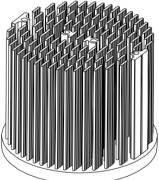
Mounting Options - see graphics for

- For specific mechanical adaptations please contact MingfaTech.

- MingfaTech reserves the right to char	nge products or	r specifications	without prior notice.	
LEDil products				

MOUNTING	Module type	Holder NO.	LEDiL j	products	THREAD	THREAD DEPTH	THREAD HOLE DISTANCE
OPTION	Module type	Holder NO.	Olivia Series	Ronda series			
1	SLE G6 10mm;	/	/	FN15xxx-xx;	М3	6.5mm	19.0mm/ 2-@180°
2		BJB Holder 47.319.6020.50			М3	6.5mm	25.0mm/ 2-@180° (Zhaga book 11)
3	SLE G6 15mm; SLE G6 17mm;	/			М3	6.5mm	26.8mm/ 2-@180°
4		BJB Holder 47.319.2021.50	FN14637-S; FN14828-M;		M3	6.5mm	35.0mm/ 2-@180° (Zhaga book 3)
-4		AAG.STUCCHI 8101-G2					





Tel:+86-769-39023131 Fax:+86-(020)28819702 ext:22122 Email:sales@mingfatech.com Http://www.heatsinkled.com Http://www.mingfatech.com





XLED

xLED-TRI-6030 Pin Fin Heat Sink Ø60mm for Tridonic

The product deta table

xLED	Model No.	xLED-TRI-6030
	Heatsink Size	Ф60хH30mm
	Heatsink Material	AL1070
Ching in	Finish	Black Anodized
1111111	Weight (g)	80.0
	Dissipated power (Ths-amb,50℃)	10.0 (W)
	Cooling surface area (mm ²)	40973
	Thermal Resistance (Rhs-amb)	5.0 (°C/W)

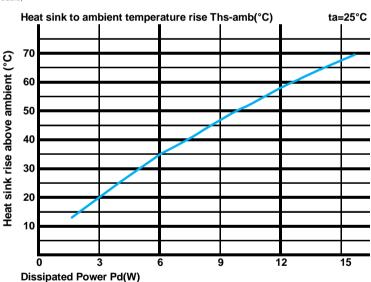
The thermal data table

* Please be aware the dissipated power Pd is not the same as the electrical power Pe of a LED module.

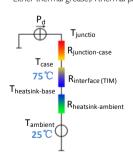
*To calculate the dissipated power please use the following formula: $Pd = Pe \times (I - \eta L)$.

Pd - Dissipated power ; Pe - Electrical power ; $\eta L =$ Light effciency of the LED module;

Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		xLED-TRI-6030	
(M)	3.0	6.67	20.0
Dissipated Power Pd(W)	6.0	5.67	34.0
	9.0	5.11	46.0
	12.0	4.83	58.0
	15.0	3.80	57.0



*The aluminum substrate side of the package outer shell is thermally connected to the heat sink via TIM (Thermal interface material). MingFa recommends the use of a high thermal conductive interface between the LED module and the LED cooler. Either thermal grease, A thermal pad or a phase change thermal pad thickness 0.1-0.15mm is recommended.



*Thermal resistance is a heat property and a measurement of a temperature difference by which an object or material resists a heat flow. Geometric shapes are different, the thermal resistance is different. Formula: $\theta = (Ths - Ta)/Pd$

 $\theta\,$ - Thermal Resistance [°C/W] ; $\,$ Ths - Heatsink temperature ; $\,$ Ta - Ambient temperature ;

*The thermal resistance between the junction section of the light-emitting diode and the aluminum substrate side of the package outer shell is $R_{junction-case}$, the thermal resistance of the TIM outside the package is $R_{interface}$ (TIM) [°C/W], the thermal resistance with the heat sink is $R_{heatsink-ambient}$ [°C/W], and the ambient temperature is $T_{ambient}$ [°C].

*Thermal resistances outside the package $R_{interface (TIM)}$ and $R_{heatsink-ambient}$ can be integrated into the thermal resistance $R_{case-ambient}$ at this point. Thus, the following formula is also used: $T_{junction}=(R_{junction-case}+R_{case-ambient})$ Pd+ $T_{ambient}$

Tel:+86-769-39023131 Fax:+86-(020)28819702 ext:22122 Email:sales@mingfatech.com Http://www.heatsinkled.com Http://www.mingfatech.com

