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Example:xLED-SEO-60 Height (mm) Anodising Color B-Black C-Clear Z-Custom

Ex.order code - 12

Notes:

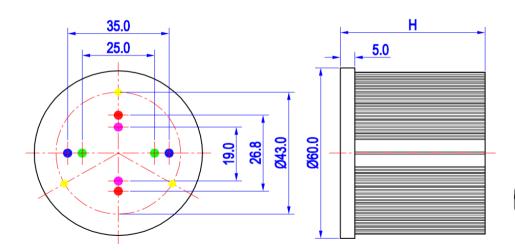
- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.

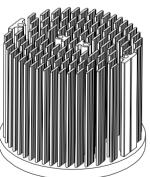
means option 1 and 2 combined

details Combinations available

Mounting Options - see graphics for

- MingfaTech reserves the right to change products or specifications without prior notice. LEDiL products MOUNTING THREAD THREAD HOLE THREAD Holder NO. Module type OPTION DEPTH DISTANCE Olivia series Ronda series 19.0mm/ 2-@180° МЗ 6 5mm 1 FN15972-xxx; BJB Holder COB Size FN14637-S; FN15971-xxx; 47.319.2021.50 25.0mm/ 2-@180° 13.5×13.5mm 2 МЗ 6.5mm FN15969-xxx; AAG.STUCCHI (Zhaga book 11) 8101-G2 3 26.8mm/ 2-@180° 1 МЗ 6.5mm BJB Holder COB Size FN14637-S; FN15xxx-xx: 47.319.2021.50 35.0mm/ 2-@180° 19×19mm FN14828-M; 4 М3 6.5mm AAG.STUCCHI (Zhaga book 3) 8101-G2 5 AC Module / / / M2 6.5mm 43.0mm/ 3-@120°





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XLED

xLED-SEO-6050 Pin Fin Heat Sink Φ60mm for Seoul

The product deta table

xLED	Model No.	xLED-SEO-6050
	Heatsink Size	Ф60хН50mm
	Heatsink Material	AL1070
	Finish	Black Anodized
	Weight (g)	112.0
	Dissipated power (Ths-amb,50℃)	13.0 (W)
	Cooling surface area (mm²)	68473
	Thermal Resistance (Rhs-amb)	3.85 (°C/W)

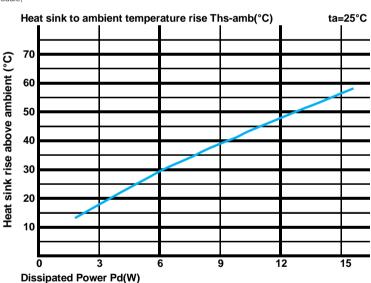
The thermal data table

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

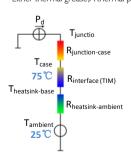
*To calculate the dissipated power please use the following formula: $Pd = Pe \times (I - \eta L)$.

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-SEO-6050	
Dissipated Power Pd(W)	3.0	5.67	17.0
	6.0	4.83	29.0
	9.0	4.22	38.0
	12.0	4.00	48.0
	15.0	3.73	56.0



*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 $R_{\text{junction-case}}$, the thermal resistance of the TIM outside the package is $R_{\text{interface (TIM)}}$ [°C/W], the thermal resistance with the heat sink is $R_{\text{heatsink-ambert}}$ [°C/W], and the ambient temperature is T_{ambert} [°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+ $T_{ambient}$

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