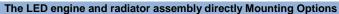


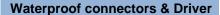
JXLED-225100 Passive Slot Fins Heat sink Φ225mm

Features VS Benefits

- * Mechanical compatibility with direct mounting of the SMD products to the LED cooler and thermal performance matching the lumen packages.
- * For flood light, street light and high bay designs from 10,000 to 30,000 lumen.
- * Thermal resistance range Rth 0.26°C/W.
- * Product size: Diameter 225mm Standard height 100mm , Other widths on request.
- * Forged from highly conductive aluminium for optimal thermal performance (AL1070), aluminium 1070 thermal conductivity is 2.0 times higher than ADC12.
- * 2 standard colors clear anodised black anodised
- * Waterproof level designs from IP65 to IP67.
- * With the SMD products (3030 , 2835 , 5050.....): Bridgelux , Cree , Edison , Citizen , LG Innote Lumileds , Luminus, Lumens , Nichia , Osram , Prolight Opto , Seoul , Samsung , Sharp.



- * Below you find an overview of SMD products which standard fit on the xLED series 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.











ge.Resistant to salt water, weak acid, alcohol,oil,grease and common solvency Working temperature:Min -40℃ to Max 120℃.

Body material:Brass nickel plated

- Jaro Thermal product number
- With the Drivers.

Order Information

Example: JXLED-225100-B Example:JXLED-225100 - 1



1 Anodising Color

B-Black

C-Clear

Z-Custom

Notes:

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact Jaro Thermal.
- Jaro Thermal reserves the right to change products or specifications without prior notice.



Tel: (561) 241-6700

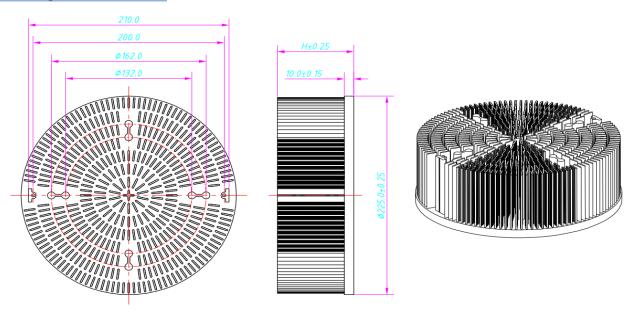
Add: 6600 Park of Commerce Blvd. Boca Raton, Florida 33487

Web: www.jarothermal.com



JXLED-225100 Passive Slot Fins Heat sink Φ225mm

Drawings & Dimensions



Product deta table

Model No.	JXLED-225100
Heatsink Size	Ф225xH100mm
Heatsink Material	AL1070
Finish	Black Anodized
Weight (κg)	3.15
Dissipated power (Ths-amb,50℃)	200.0 (W)
Cooling surface area (mm²)	1143659
Thermal Resistance (Rhs-amb)	0.26 (°C/W)

Web: www.jarothermal.com

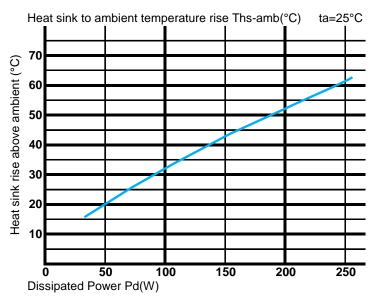


JXLED-225100 Passive Slot Fins Heat sink Φ225mm

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: $Pd = Pe x (1-\eta L)$.
- Pd Dissipated power; Pe Electrical power; ηL = Light effciency of the LED module;

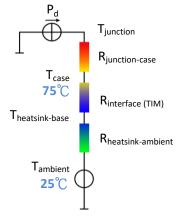
Pd = Pe x (1-ηL)		Heat sink to ambient thermal resistance Rhs-amb (°C/W)	Heat sink to ambient temperature rise Ths-amb (°C)
		JXLED-225100	
Dissipated Power Pd(W)	50.0	0.40	20.0
	100.0	0.32	32.0
	150.0	0.29	43.0
	200.0	0.26	52.0
	250.0	0.24	61.0



*The aluminum substrate side of the package outer shell is thermally connected to the heat sink via TIM (Thermal interface material).

Jaro Thermal recommends the use of a high thermal conductive interface between the LED module and the LED coole

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: $\theta = (Ths - Ta)/Pd$

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

Web: www.jarothermal.com