



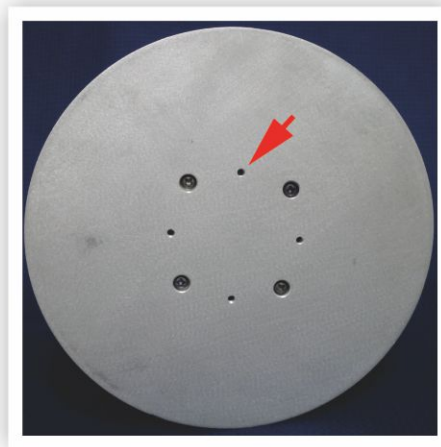
Complete Thermal Solution

LEADING EDGE ASSOCIATES Co., Ltd.

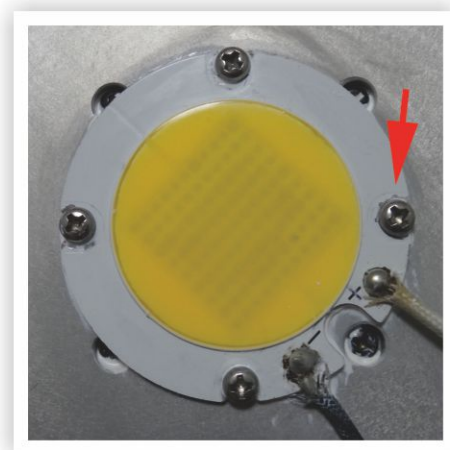
100W high-power LED NATURAL CONVECTION with AI Vapor Chamber Technology Thermal Solution



Heat sink appearance



LED board mounting hole
direct on base plate



LED board fixed on base plate



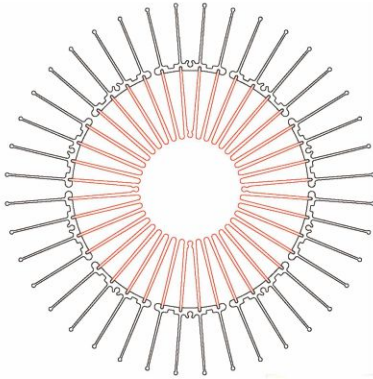
Mounting hole on top of the heat sink

Specification

- ◆ Φ 120mm x H 120mm
- ◆ Weight: 990 g (2.18 pounds)
- ◆ Refrigerant as working fluid
- ◆ Aluminium
- ◆ RoHS compliant

Feature

- ◆ AI vapor chamber technology design
- ◆ 100W high-power LED applicable
- ◆ Lighter weight and smaller size (2/3 reduced from standard heat sink size)
- ◆ 30% faster heat transfer by using Refrigerant as working fluid
- ◆ 100% aluminium, 100% recyclable, environment friendly
- ◆ Made from CAB brazing process for stronger structural
- ◆ Extension fin applicable for more cooling surface



PATENTED

Flexible extension fin will increase the cooling surface for more heat exchange but only slightly weights up

100 W LED test data

Test Point	Near chip		Check point on fin					Δ T		Environment Temperature	Sys. Rth
	T1	T2	T3	T4	T5	T6	T7	T-fin	T-sys.	T0	
T	76.26	77.14	74.68	74.31	73.55	73.81	76.64	0.87		24.49	0.518
Avg.	76.7		74.09						2.61		

100W High power LED tes3ng data

