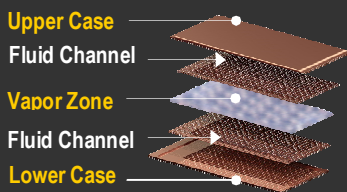


Celsia NanoSpreader¹

Passive LED Spotlight Solutions

Passive Thermal Solutions for Phillips, Osram, Bridgelux, and Xicato

NanoSpreader General Information



ENHANCED PERFORMANCE

Up to 30% better thermal performance than heat pipe solutions, with ten times the thermal conductivity and half the weight of solid copper

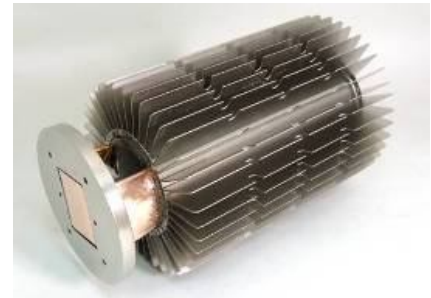
DESIGN VERSATILITY

NanoSpreaders can be made as thin as 1.5mm with a very large surface area that is designed to come in direct contact with the heat source

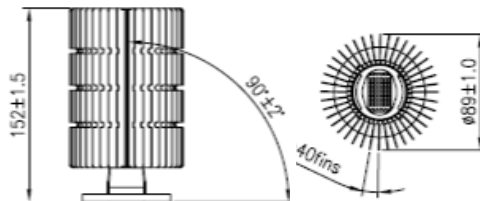
IDEAL HEAT PIPE REPLACEMENT

Most heat pipe applications can be replaced with a NanoSpreader solution for less cost, better performance, and in some cases both

- Passive solutions, effectively cooling LED spotlight engines up to 50W.
- Up to 20% better performance than heat pipe solutions extends light engine life.
- Custom solutions available to meet unique requirements.



Specifications



- Dimensions: 152mm x 89mm x 89mm
- Unique mounting brackets for Phillips, Osram, Bridgelux, and Xicato light engines

Phillips (Tc 65C – T ambient)	30 Deg C	35 Deg C	40 Deg C
Fortimo SLM1500 – 20W	✓	✓	✓
Fortimo SLM2000 – 32W	✓	✓	✓
Fortimo SLM3000 – 43W	✓	✓	
Osram (Tc 65C – T ambient)	30 Deg C	35 Deg C	40 Deg C
PrevaLED 2100lm – 28W	✓	✓	✓
PrevaLED 2100lm – 35W	✓	✓	
PrevaLED 2100lm – 38W	✓	✓	
PrevaLED 3000lm – 43W	✓		
BridgeLux (Tc 70C – T ambient)	40 Deg C	50 Deg C	60 Deg C
BXRA 1200lm – 20W	✓	✓	✓
BXRA 2000lm – 25W	✓	✓	✓
BXRA 3000lm – 50W	✓	✓	
BXRA 4500lm – 50W	✓	✓	
Xicato (Tc 90C – T ambient)	40 Deg C	50 Deg C	60 Deg C
XSM 1000lm – 18W	✓	✓	✓
XSM 1300lm – 21W	✓	✓	✓
XSM 2000lm – 36W	✓	✓	✓

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¹ NanoSpreader is a registered trademark of Celsia Technologies

