

Unlock New Opportunities in LED Lighting



Nuventix SynJet® Thermal Solutions for Xicato® LED Modules

Features

- Enables higher lumen packages
- Up to 1/3 the size of passive cooling
- Lighter weight than passive solutions
- Energy efficient
- Quiet operation
- 100K hours lifetime
- Thermally engineered and designed specifically for Xicato LED Modules

Benefits

- Flexible design for smaller overall luminaires - Contemporary form or height limited areas
- Easy to design in for fastest time to market
- Minimal additional power required for cooling
- Excellent in low noise requirement areas
- Cooling life is longer than the module or driver - does not limit luminaire usable life
- One heat sink design can be used for higher and lower lumen offerings by coupling with a SynJet cooler, allowing higher lumen fixtures with the same form factor

Nuventix SynJet® Coolers and Heatsinks for Xicato® LED Modules

Guide:

- Please see the legend below for the ambient temperature rating of each solution.
- All solutions in these tables are in accordance with recommended acoustic noise levels for lighting applications, for noise sensitive applications choose "Standard" cooling solutions.
- For Nuventix part numbers, see page 3 of this guide.
- For additional details, visit the Xicato members lounge or contact Nuventix directly.

Xicato XSM LED Spot Modules												
Heatsink	Spotlight Cooler 38W				Spotlight Cooler 34W				Spotlight Cooler 31W			
SynJet	ZFlow 75				ZFlow 75				ZFlow 75			
SynJet Setting	High	Mid	Standard	Heatsink Only	High	Mid	Standard	Heatsink Only	High	Mid	Standard	Heatsink Only
Xicato XSM 400	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient
Xicato XSM 700	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Not Supported
Xicato XSM 700 Artist	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 40C ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 35C ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Not Supported
Xicato XSM 1000	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 40C ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 40C ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Not Supported
Xicato XSM 1300	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 40C ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Not Supported	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Not Supported
Xicato XSM 2000	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 40C ambient	Not Supported	Supported up to 50C+ ambient	Supported up to 50C+ ambient	Supported up to 40C ambient	Not Supported	Supported up to 40C ambient	Supported up to 40C ambient	Not Supported	Not Supported

Legend
Supported up to 50C+ ambient
Supported up to 40C ambient
Supported up to 35C ambient
Not Supported



Notes:

- 1) Unless otherwise noted, compatibility is based on worst case orientation in an ambient temperature as indicated in the legend, with free airflow (no blockage) to the cooler / heatsink fin passages. Deviations from these assumptions can cause temperature rises on the module and cooler, and create an over temperature condition.
- 2) A functional test should always be performed on the complete luminaire in the worst case ambient condition (or extrapolated to worst case) . A luminaire for test or a qualified test report should be submitted in accordance with Xicato's luminaire qualification program to "validate" luminaire.

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Nuventix Part Number Guide

SynJet ZFlow 75	SSLCS-CM012-002	SynJet, ZFlow 75, Level Select, 12V
	SSLCS-CM005-002	SynJet, ZFlow 75, Level Select, 5V
Spotlight Cooler 31W	HSLCS-CALCL-003	Heatsink, 31W, Spotlight Cooler, Xicato XSM, Silver
Spotlight Cooler 34W	HSLCS-CALBL-006	Heatsink, 34W, Spotlight Cooler, Xicato XSM, Black
Spotlight Cooler 38W	HSLCS-CALBL-011	Heatsink, 38W, Spotlight Cooler, Configurable, Black
Wire Harness	WALLS-C4150-001	SynJet Wire Harness, 4wire, 150mm
	WALLS-C4240-001	SynJet Wire Harness, 4wire, 240mm
	WALLS-C4370-001	SynJet Wire Harness, 4wire, 370mm
	WALLS-C4600-001	SynJet Wire Harness, 4wire, 600mm