



AAVID THERMALLOY

LED Cooling Solutions Guide



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How to Use this Guide:

This guide cross references GE Infusion LEDs to an appropriate thermal solution. The guides give three recommendations:

The “Best” solution is the all-around smallest active cooling solution with low acoustics.

The “Quietest” solution is for noise sensitive applications. These solutions are often slightly larger than the “Best” but provide adequate cooling at very low acoustic levels.

The “Passive” solutions are LED heatsinks only with no active cooling.

Assumptions:

T_p 0C margin (below max)

T_{amb} 35C

If TIM is included on module, no assumption

If you have questions regarding the proper cooling solution to fit your needs, please contact us at Aavid.com.

Company	LED Module	Lumens	Best	Quietest	Passive
GE Infusion	M1000 Gen2	1000	Twist Module 43W	Twist Module 58W	Twist Module 58W
GE Infusion	M1500 Gen2	1500	Twist Module 43W	Twist Module 58W	Twist Module 58W
GE Infusion	M2000 Gen2	2000	Twist Module 43W	Twist Module 58W	N/A
GE Infusion	M3000 Gen2	3000	Twist Module 58W	Twist Module 58W	N/A
GE Infusion	M4500	4500	Twist Module 58W	Twist Module 58W	N/A
GE Infusion	NPM	1500	Twist Module 43W	Twist Module 58W	N/A