

Nuventix SynJet® Thermal Solutions

for Philips Fortimo LED Light Modules



Nuventix is revolutionizing active thermal management of consumer electronics, high power LED lighting, medical, telecommunications and automotive with patented, highly adaptable, quiet and reliable cooling devices that efficiently – and directly – dissipate heat from any surface. The patented SynJet active cooling technology enables the most reliable and flexible spot cooling solutions available today.



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 Philips LED Modules
- Philips LED drivers have a built in power connection for the SynJet for a Plug and Play solution

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



Fortimo LED DLM System

Light Module		Suitable Driver		Suitable Cables		Nuventix SynJet and Heatsinks			
Product Description	Part #	Product Description	Part #	Product Description	Part #	Product Description	SynJet Cooler Part #	Heatsink Part #	Wire Harness
Fortimo LED DLM Module1100 19W/830UL	929000498303	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo DLM Cable 500MM Without SynJet	442240066181	SynJet Universal 140 DLM Heatsink Only	N/A	HSSLS-CALBL-003	N/A
				Fortimo DLM Cable 840MM With SynJet Wire	442240072121				
Fortimo LED DLM Module1100 18W/835UL	929000499603	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo DLM Cable 500MM Without SynJet	442240066181	SynJet Universal 140 DLM Heatsink Only	N/A	HSSLS-CALBL-003	N/A
				Fortimo DLM Cable 840MM With SynJet Wire	442240072121				
Fortimo LED DLM Module1100 17W/840UL	929000498403	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo DLM Cable 500MM Without SynJet	442240066181	SynJet Universal 120 DLM Heatsink Only	N/A	HSSLS-CALBL-005	N/A
				Fortimo DLM Cable 840MM With SynJet Wire	442240072121				
Fortimo LED DLM Module2000 36W/830UL	929000498503	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo DLM Cable 500MM With SynJet Wire	442240068381	SynJet Universal 120 DLM Standard	SSSLC-CM012-011	HSSLS-CALBL-005	Wires Included
				Fortimo DLM Cable 840MM With SynJet Wire	442240072121				
Fortimo LED DLM Module2000 34W/835UL	929000499703	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo DLM Cable 500MM With SynJet Wire	442240068381	SynJet Universal 120 DLM Standard	SSSLC-CM012-011	HSSLS-CALBL-005	Wires Included
				Fortimo DLM Cable 840MM With SynJet Wire	442240072121				
Fortimo LED DLM Module2000 33W/840UL	929000498603	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo DLM Cable 500MM With SynJet Wire	442240068381	SynJet Universal 120 DLM Standard	SSSLC-CM012-011	HSSLS-CALBL-005	Wires Included
				Fortimo DLM Cable 840MM With SynJet Wire	442240072121				



Fortimo LED SLM System

Light Module		Suitable Driver		Suitable Cables		Nuventix SynJet and Heatsinks			
Fortimo LED Spot SLM	Part #	Product Description	Part #	Product Description	Part #	Product Description	SynJet Cooler	Heatsink	Wire Harness
Fortimo LED SLM Module 1100 18W/830	929000611503	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo SLM Cable HPI 8P with SynJet Connector	442240073981	SynJet Spot Cooler 21 W Standard	SSSLC-CM012-013	HSSLS-CALCL-005	Wires Included
Fortimo LED SLM Module 1100 18W/835	929000612703	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo SLM Cable HPI 8P with SynJet Connector	442240073981	SynJet Spot Cooler 21 W Standard	SSSLC-CM012-013	HSSLS-CALCL-005	Wires Included
Fortimo LED SLM Module 1100 17W/840	929000612903	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo SLM Cable HPI 8P with SynJet Connector	442240073981	SynJet Spot Cooler 21 W Standard	SSSLC-CM012-013	HSSLS-CALCL-005	Wires Included
Fortimo LED SLM Module 2000 33W/830	929000611603	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo SLM Cable HPI 8P with SynJet Connector	442240073981	SynJet Spot Cooler 31 W Standard	SSLCS-CM012-002-D	HSLCS-CALCL-001	WALLS-C4600-001
						SynJet Spot Cooler 34 W Standard		HSLCS-CALBL-001	
						SynJet Spot Cooler 38 W Standard		HSLCS-CALBL-005	
Fortimo LED SLM Module 2000 33W/835	929000612803	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo SLM Cable HPI 8P with SynJet Connector	442240073981	SynJet Spot Cooler 31 W Standard	SSLCS-CM012-002-D	HSLCS-CALCL-001	WALLS-C4600-001
						SynJet Spot Cooler 34 W Standard		HSLCS-CALBL-001	
						SynJet Spot Cooler 38 W Standard		HSLCS-CALBL-005	
Fortimo LED SLM Module 2000 31W/840	929000613003	Fortimo LED Driver 120-277V 0-10V Dim	913701213402	Fortimo SLM Cable HPI 8P with SynJet Connector	442240073981	SynJet Spot Cooler 31 W Standard	SSLCS-CM012-002-D	HSLCS-CALCL-001	WALLS-C4600-001
						SynJet Spot Cooler 34 W Standard		HSLCS-CALBL-001	
						SynJet Spot Cooler 38 W Standard		HSLCS-CALBL-005	

About Future Lighting Solutions

Future Lighting Solutions (www.futurelightingsolutions.com) is a leading provider of LED lighting components and support services for solid-state lighting products and installations, including engineering expertise, concept development, full system solutions and online tools that accelerate quality application development. The company is a division of Future Electronics.



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