

# Unlock New Opportunities in LED Lighting



## Nuventix SynJet® Thermal Solutions for Philips® Fortimo 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 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

# Nuventix SynJet® Coolers and Heatsinks for Philips® Fortimo 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" or "Silent" cooling solutions.
- For Nuventix part numbers, see page 5 of this guide.

**Philips Fortimo SLM LED 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
Fortimo LED SLM 800												
Fortimo LED SLM 1100												
Fortimo LED SLM 1500												
Fortimo LED SLM 2000												
Fortimo LED SLM 3000												
Lexel LED SLM 1100 TW												
Lexel LED SLM 800 RGB												

**Philips Fortimo SLM LED Modules**

Heatsink	Spotlight Cooler 60W			
SynJet	ZFlow 90			
SynJet Setting	High	Mid	Standard	Heatsink Only
Fortimo LED SLM 800				
Fortimo LED SLM 1100				
Fortimo LED SLM 1500				
Fortimo LED SLM 2000				
Fortimo LED SLM 3000				
Lexel LED SLM 1100 TW				
Lexel LED SLM 800 RGB				



## Legend

- Supported up to 40C+ ambient
- Supported up to 35C ambient
- Supported up to 25C ambient
- Not Supported

## Notes:

- 1) Compatibility is based on following the guidelines outlined in Nuventix SynJet Design Guide.
- 2) A functional test should always be performed on the complete luminaire in the worst case ambient condition.

# Nuventix SynJet® Coolers and Heatsinks for Philips® Fortimo LED Modules

## Guide:

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- For Nuventix part numbers, see page 5 of this guide.

### Philips Fortimo SLM LED Modules

Heatsink	Spotlight Cooler 21W			
SynJet	ZFlow 65			
SynJet Setting	High	Standard	Silent	Heatsink Only
Fortimo LED SLM 800				Orange
Fortimo LED SLM 1100	Green	Yellow	Orange	Red
Fortimo LED SLM 1500	Green	Orange	Orange	Red
Fortimo LED SLM 2000	Red			
Fortimo LED SLM 3000	Red			
Lexel LED SLM 1100 TW	Yellow	Orange		
Lexel LED SLM 800 RGB	Yellow	Orange	Red	Red



### Philips Fortimo SLM LED Modules

Heatsink	Par30 Cooler 40W				Par25 Cooler 32W				Par20 Cooler 24W			
SynJet	ZFlow 65				ZFlow 65				ZFlow 65			
SynJet Setting	High	Standard	Silent	Heatsink Only	High	Standard	Silent	Heatsink Only	High	Standard	Silent	Heatsink Only
Fortimo LED SLM 800	Green		Green	Green	Green		Green	Orange	Green	Green	Green	Red
Fortimo LED SLM 1100			Green	Orange			Green		Green	Yellow	Orange	Red
Fortimo LED SLM 1500	Green		Yellow	Red	Green		Yellow		Yellow	Orange	Orange	Red
Fortimo LED SLM 2000	Yellow	Orange	Red		Orange		Red					
Fortimo LED SLM 3000	Orange		Red				Red					
Lexel LED SLM 1100 TW	Green	Green	Yellow	Red	Green	Yellow	Red		Orange	Orange		
Lexel LED SLM 800 RGB	Yellow	Yellow	Orange		Yellow	Orange	Red		Orange	Orange		



### Legend

Supported up to 40C+ ambient
Supported up to 35C ambient
Supported up to 25C ambient
Not Supported

## Notes:

- 1) Compatibility is based on following the guidelines outlined in Nuventix SynJet Design Guide.
- 2) A functional test should always be performed on the complete luminaire in the worst case ambient condition.

# Nuventix SynJet® Coolers and Heatsinks for Philips® Fortimo 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" or "Silent" cooling solutions.
- For Nuventix part numbers, see page 5 of this guide.

Philips Fortimo DLM LED Modules								
Heatsink	Downlight Cooler 140, 48W				Downlight Cooler 120, 40W			
SynJet	ZFlow 100				ZFlow 100			
SynJet Setting	High	Standard	Silent	Heatsink Only	High	Standard	Silent	Heatsink Only
Fortimo LED DLM 1100	Green	Green	Green	Green	Green	Green	Green	Yellow
Fortimo LED DLM 2000	Green	Green	Green	Red	Green	Green	Yellow	Red
Fortimo LED DLM 3000	Green	Yellow	Red	Red	Yellow	Orange	Red	Red
Lexel LED DLM 1100 2700-6500	Green	Green	Green	Red	Green	Green	Yellow	Red
Fortimo LED DLM 2000 Food	Green	Yellow	Red	Red	Green	Yellow	Red	Red



Philips Fortimo Twistable DLM LED Modules				
Heatsink	CoolTwist 40W			
SynJet	ZFlow 65			
SynJet Setting	High	Standard	Silent	Heatsink Only
Fortimo LED Twistable 1100 - 25K L70	Green	Green	Green	Yellow
Fortimo LED Twistable 1100 - 50K L70	Green	Green	Orange	Red



Legend	
Supported up to 40C+ ambient	Green
Supported up to 35C ambient	Yellow
Supported up to 25C ambient	Orange
Not Supported	Red

## Notes:

- 1) Compatibility is based on following the guidelines outlined in Nuventix SynJet Design Guide.
- 2) A functional test should always be performed on the complete luminaire in the worst case ambient condition.

# Nuventix SynJet® Coolers and Heatsinks for Philips® Fortimo 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" or "Silent" cooling solutions.
- For Nuventix part numbers, see the bottom of this page.

## Philips Fortimo LLM LED Modules

Heatsink	Linear Light Cooler 22W	
SynJet	XFlow 30	
SynJet Setting	Standard	Heatsink Only
Fortimo LED LLM 1800 740	Yellow	Orange
Fortimo LED LLM 1800 730	Yellow	Orange
Fortimo LED LLM 1100 740	Green	Yellow
Fortimo LED LLM 1100 730	Green	Yellow



## Legend

Supported up to 40C+ ambient
Supported up to 35C ambient
Supported up to 25C ambient
Not Supported

## Notes:

- 1) Compatibility is based on following the guidelines outlined in Nuventix SynJet Design Guide.
- 2) A functional test should always be performed on the complete luminaire in the worst case ambient condition.

## Nuventix Part Number Guide

Downlight Cooler 120, 40W	HSSLS-CALBL-005	Heatsink, 40W, Downlight Cooler 120, Philips DLM and Lexel, Black
Downlight Cooler 140, 48W	HSSLS-CALBL-003	Heatsink, 48W, Downlight Cooler 140, Philips DLM and Lexel, Black
Linear Light Cooler 22W	NX301100	Heatsink, 22W, Linear Light Cooler, Philips LLM, Black
Par20 Cooler 24W	HP20S-CALBL-001	Heatsink, 24W, PAR20 Style, Configurable, Black
Par25 Cooler 32W	HP25S-CALBL-001	Heatsink, 32W, PAR25 Style, Configurable, Black
Par30 Cooler 40W	HP30S-CALBL-001	Heatsink, 40W, PAR30 Style, Configurable, Black
Spotlight Cooler 21W	HSSLS-CALCL-005	Heatsink, 21W, Spotlight Cooler, Philips SLM, Matte Silver
Spotlight Cooler 31W	HSLCS-CALCL-001	Heatsink, 31W, Spotlight Cooler, Philips SLM, Silver
Spotlight Cooler 34W	HSLCS-CALBL-001	Heatsink, 34W, Spotlight Cooler, Philips SLM, Black
Spotlight Cooler 38W	HSLCS-CALBL-012	Heatsink, 38W, Spotlight Cooler, Philips SLM, Black
Spotlight Cooler 60W	NX300101	Heatsink, 60W, Spotlight Cooler, Philips SLM, Al, Black
SynJet ZFlow 65	SPARS-CM012-002	SynJet, ZFlow 65, Level Select, 12V
SynJet ZFlow 75	SSLCS-CM012-002	SynJet, ZFlow 75, Level Select, 12V
SynJet ZFlow 90	NX200102	SynJet, ZFlow 90, Level Select, 12V
SynJet ZFlow 100	SSSLS-CM012-017	SynJet, ZFlow 100, Level Select, 12V
SynJet XFlow 30	SSCCS-IM012-002	SynJet, XFlow 30, Standard Performance PWM, 12V
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