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
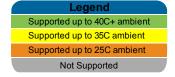
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Guide:

- 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	green	green	green	green	green	green	green	yellow	green	green	green	orange
Fortimo LED SLM 1100	green	green	green	yellow	green	green	green	gray	green	green	green	gray
Fortimo LED SLM 1500	green	green	green	orange	green	green	green	gray	green	green	green	gray
Fortimo LED SLM 2000	green	yellow	yellow	gray	yellow	yellow	yellow	gray	yellow	orange	orange	gray
Fortimo LED SLM 3000	orange	orange	orange	gray	orange	orange	orange	gray	orange	gray	gray	gray
Lexel LED SLM 1100 TW	green	green	green	orange	green	green	green	gray	green	green	green	gray
Lexel LED SLM 800 RGB	green	green	green	gray	green	green	green	gray	green	green	yellow	gray

Philips Fortimo SLM LED Modules

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

Legend
Supported up to 40C+ ambient (green)
Supported up to 35C ambient (yellow)
Supported up to 25C ambient (orange)
Not Supported (gray)

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.

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

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	Green	Green	Orange	Green	Green	Green	Gray
Fortimo LED SLM 1100	Green	Green	Green	Orange	Green	Green	Green	Gray	Green	Yellow	Orange	Gray
Fortimo LED SLM 1500	Green	Green	Yellow	Gray	Green	Green	Yellow	Gray	Yellow	Orange	Gray	Gray
Fortimo LED SLM 2000	Yellow	Orange	Gray	Gray	Orange	Gray	Gray	Gray	Gray	Gray	Gray	Gray
Fortimo LED SLM 3000	Orange	Gray	Gray	Gray	Gray	Gray	Gray	Gray	Gray	Gray	Gray	Gray
Lexel LED SLM 1100 TW	Green	Green	Yellow	Gray	Green	Yellow	Orange	Gray	Orange	Gray	Gray	Gray
Lexel LED SLM 800 RGB	Green	Yellow	Orange	Gray	Yellow	Orange	Gray	Gray	Gray	Gray	Gray	Gray

Legend

Legend
Supported up to 40C+ ambient (Green)
Supported up to 35C ambient (Yellow)
Supported up to 25C ambient (Orange)
Not Supported (Gray)

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.

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	🟩	🟩	🟩	🟩	🟩	🟩	🟩	🟨
Fortimo LED DLM 2000	🟩	🟩	🟩	⬜	🟩	🟩	🟨	⬜
Fortimo LED DLM 3000	🟩	🟨	⬜	⬜	🟨	🟧	⬜	⬜
Lexel LED DLM 1100 2700-6500	🟩	🟩	🟩	⬜	🟩	🟩	🟨	⬜
Fortimo LED DLM 2000 Food	🟩	🟨	⬜	⬜	🟩	🟨	⬜	⬜

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	🟩	🟩	🟩	🟨
Fortimo LED Twistable 1100 - 50K L70	🟩	🟩	🟧	⬜

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.

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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		
Fortimo LED LLM 1800 730		
Fortimo LED LLM 1100 740		
Fortimo LED LLM 1100 730		

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

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