

Philips Fortimo LED Downlight Module System

Energy efficiency and high quality light package



Features

- Patented remote phosphor technology
- Future-proof, convenient modules
- 5 year limited warranty on system
- UL recognized Class 2 system
- 0-10V Dimming

Benefits

- High efficiency and consistent lighting
- Upgradeable and easily replaceable
- Extremely reliable lighting system
- Meets the needs of the lighting industry
- Added system control, additional energy savings

Applications: Downlighting applications in offices, hospitality, retail and general ambient illumination

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1. LED Light Modules

These future-proof modules are designed for ease of integration into existing or new fixtures. They deliver high quality illumination, uniform colors and consistent lighting with enough lumens to compete with conventional light sources.

Description	Initial Lumens	CRI	CCT (K)	System Input Power (W)	System Efficacy (Lm/W)	Input Voltage (V)	Module B50 L70 (Hours) T case max 65°C	T ambient (°C)	Fortimo DLM Part Number
Fortimo LED DLM1100 19W/830 UL	1100	80	3000	19	58	120 to 277	50k	-20	929000498303
Fortimo LED DLM1100 18W/835 UL	1100	80	3500	18	61	120 to 277	50k	-20	929000499603
Fortimo LED DLM1100 17W/840 UL	1100	80	4000	17	65	120 to 277	50k	-20	929000498403
Fortimo LED DLM1300 24W/830 UL	1300	80	3000	24	52	120 to 277	50k	-20	929000615303
Fortimo LED DLM1300 23W/835 UL	1300	80	3500	23	54	120 to 277	50k	-20	929000615403
Fortimo LED DLM1300 22W/840 UL	1300	80	4000	22	57	120 to 277	50k	-20	929000615503
Fortimo LED DLM2000 36W/830 UL	2000	80	3000	36	56	120 to 277	50k	-20	929000498503
Fortimo LED DLM2000 34W/835 UL	2000	80	3500	34	59	120 to 277	50k	-20	929000499703
Fortimo LED DLM2000 33W/840 UL	2000	80	4000	33	61	120 to 277	50k	-20	929000498603

2. Driver Solution

The highly efficient Xitanium LED driver is specifically designed for the modules. These drivers have various features including dimming (0 – 10V), thermal foldback, fixed output and a 12V output which can be used with a Nuventix SynJet among other options. Each Fortimo LED Downlight Module requires one Xitanium LED driver.

Description	Input Voltage	Dimming	Wattage	Fortimo Driver Part Number
Xitanium LED Driver	120 to 277VAC	0-10V	35W	913701213402

3. Cable Solutions

As an important part of the Fortimo system, these cables have been specifically designed to maintain the quality of the overall system as well as to ensure the system warranty.

Description	Fortimo Cable Part Number	
	Length 500mm	Length 840mm
Fortimo LED DLM 1100/1300/2000	442240066181 or 442240068381*	442240072121*

*Includes wire for SynJet Cooler and other options.

4. Thermal Management Solutions

To optimize the lifetime and amount of light from the Fortimo LED Downlight Module system, it must operate within specified temperature limits. In conjunction with Nuventix heat sinks (passive cooling) and Nuventix SynJet coolers (active cooling), proper thermal management will give you the ability to control the overall system performance.

Description	Nuventix Heat Sink Part Number	Nuventix SynJet Cooler Part Number	Nuventix Wire Harness
Fortimo LED DLM 1100 - 830/835/840 - T _{amb} 35°C	HSSLS-CALBL-003	—	—
Fortimo LED DLM 1100 - 840 - T _{amb} 40°C	HSSLS-CALBL-005	—	—
Fortimo LED DLM 1300/2000 - 830/835/840 - T _{amb} 40°C	HSSLS-CALBL-005	SSSLS-CM012-017	WALLS-C4600-001



5. Optical Solution – Reflector

All applications require a specific optical distribution pattern. Alux·Luxar, a leading aluminum reflector manufacturer, offers products in multiple beam angles and shapes to fit most applications in pre- and post-anodized materials.

Description	Aluminum Square		Aluminum Round	
	Specular 2x35°	Diffuse 2x32°	Specular 2x35°	Diffuse 2x20°
Fortimo LED DLM1100/1300/2000	FLC 100	FLC 200	FLC 600	FLC 700



Note: Current specifications, subject to change. Please check our website for the latest specifications.