

# Philips Fortimo LED Downlight Module System

Energy efficiency and high quality light package



## Features

- Patented remote phosphor technology
- 5 year limited warranty on system
- CE recognized Class II system
- 1100lm-2000lm packages, available in 3000k, 3500k, 4000k
- Min 80CRI

## Benefits

- High energy efficiency, up to 100 Lm/W
- Future-proof, convenient modulesExtremely reliable lighting system
- Extremely reliable lighting system L70 @ 50k hrs
- Specified to meet the needs of the lighting industry
- Added system control, additional energy savings

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

# PHILIPS

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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	Fortimo DLM Part Number
Fortimo LED DLM 1100 13W/830 Gen3	1100	80	3000	14.7	77	220-240	50k	929000660403
Fortimo LED DLM 1100 11W/835 Gen3	1100	80	3500	13.6	81	220-240	50k	929000660503
Fortimo LED DLM 1100 11W/840 Gen3	1100	80	4000	13.1	84	220-240	50k	929000660603
Fortimo LED DLM 2000 24W/830 Gen3	2000	80	3000	28.2	72	220-240	50k	929000660803
Fortimo LED DLM 2000 23W/835 Gen3	2000	80	3500	27.2	75	220-240	50k	929000660903
Fortimo LED DLM 2000 22W/840 Gen3	2000	80	4000	26.3	78	220-240	50k	929000661003
Fortimo LED DLM 3000 44W/830 Gen3	3000	80	3000	50.0	62.0	220-240	50k	929000618903
Fortimo LED DLM 3000 44W/835 Gen3	3000	80	3500	49.0	64.0	220-240	50k	929000619003
Fortimo LED DLM 3000 44W/840 Gen3	3000	80	4000	46.0	68.0	220-240	50k	929000660303

## 2. Driver Solutions

The highly efficient Xitanium LED driver is specifically designed for the DLM 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 DLM light module requires one Xitanium LED driver.

Description <sup>1</sup>	Input Voltage	Dimming <sup>2</sup>	Wattage	Recommended Driver Selection			Fortimo Driver Part Number
				1100lm	2000lm	3000lm	
Fortimo LED Driver	220-240V	NON-DIMMING	56W	✓	✓	✓	929000614403
Fortimo LED Driver	220-240V	TD	56W	✓	✓	✓	929000465003
Fortimo LED Driver	220-240V	TD/I	56W	✓	✓	✓	929000465203
Xitanium 25W	220-240V	NON-DIMMING	25W	✓			929000600203
Xitanium 25W	220-240V	TD/I	25W	✓			929000600403
Xitanium 25W/s	220-240V	TD/I	25W	✓			929000485803
Xitanium 45W	220-240V	NON-DIMMING	45W		✓	✓	929000614503
Xitanium 50W/s	220-240V	NON-DIMMING	50W		✓		929000636403
Xitanium 50W SH	220-240V	NON-DIMMING	50W		✓		929000617403
Xitanium 50W SH	220-240V	TD/TE/I	50W		✓		929000617203
Xitanium 50W LH	220-240V	TD/TE/I	50W		✓		929000617103

<sup>1</sup> /s = short casing, SH = square housing, LH = linear housing

<sup>2</sup> TD = Touch Dali, TE = Trailing Edge, I = Independent

## 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 ensuring the system warranty.

Description	Fortimo Cable Part Number
Fortimo LED DLM Cable (fixed output/dimmable) 25cm	929000463103
Fortimo LED DLM Cable (with protective earth connection) 60cm	929000478903
Fortimo LED DLM Cable (with protective earth cable) 12V 60cm	929000615203*
Fortimo LED DLM Cable (without protective earth cable) 60cm	929000484803

\*Includes wire for SynJet Cooler and other options.

## 4. Thermal Management Solutions

To optimize the lifetime and amount of light from the Fortimo LED DLM 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	Max T ambient (°C)	Nuventix Heatsink Part Number	Nuventix SynJet Cooler Part Number	Nuventix Wire Harness
Fortimo LED DLM 1100lm	40°C	HSSLS-CALBL-003	—	WALLS-C4600-001
Fortimo LED DLM 2000lm	40°C	HSSLS-CALBL-005	SSLS-CM012-017	WALLS-C4600-001

## 5. Optical Solutions – Reflectors

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 DLM1100/2000	FLC 100	FLC 200	FLC 600	FLC 700

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