

# Philips Fortimo LED Enhanced Spectrum Downlight Module System

Enhance your environment



## Features

- Patented remote phosphor technology
- Optimized light spectrum and reduced UV transmission
- Future-proof, convenient modules
- 5 year limited warranty on system
- UL recognized Class 1 system

## Benefits

- High efficiency and consistent lighting
- Enhanced reds and greens for improved displays and environments
- Upgradeable and easily replaceable
- Extremely reliable lighting system
- Meets the needs of the lighting industry

**Applications:** Fresh food products in supermarket 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, perfectly mixed light, uniform colors and consistency 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 60C°	T ambient (°C)	Fortimo ES DLM Part Number
Fortimo LED ES DLM module 1800 50W/Food30UL	1800	>70	3000	34	53	120-277	35k	-20	929000498703
Fortimo LED ES DLM module 2000 50W/Food40UL	2000	>70	4000	36	55	120-277	35k	-20	929000498803

## 2. Driver Solution

The highly efficient Xitanium LED driver is specifically designed for the modules. This driver has various features including thermal foldback, fixed output and a 12V output which can be used with a Nuventix SynJet among other options. Each Fortimo LED Enhanced Spectrum Downlight Module requires one Xitanium LED driver.

Description	Input Voltage	Wattage	Fortimo Driver Part Number
Xitanium LED Driver	120-277VAC	50W	929000478103

## 3. Cable Solution

As an important part of the Fortimo system, this cable has 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 250mm	Length 600mm
Fortimo LED ES DLM Module	929000478203	929000484803

## 4. Thermal Management Solution

To optimize the lifetime and amount of light from the Fortimo LED Enhanced Spectrum 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 ES DLM Module - T <sub>amb</sub> 35°C	HSSLS-CALBL-003	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 ES DLM Module	FLC 100	FLC 200	FLC 600	FLC 700



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