

Philips Fortimo LED Twistable Downlight Module System

Easy to install, flexible and future-proof



Features

- Patented remote phosphor technology
- Future-proof, convenient modules
- 3 year limited warranty on system
- Integrated driver and dedicated socket
- Forward phase dimming

Benefits

- High efficiency and consistent lighting
- Upgradeable and easily replaceable
- Extremely reliable lighting system
- Easy to install and design in
- 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 and upgradeable LED modules were designed for ease of integration into existing or new fixtures. They deliver high quality illumination, consistent and uniform colors with enough lumens to compete with conventional light sources in a compact form factor.

Description	Initial Lumens	CRI	CCT (K)	Module Efficacy (Lm/W)	Input Voltage (V)	Module B50 L70 (Hours)		Fortimo Twistable DLM Part Number
						T case max 55°C	T case max 65°C	
Fortimo LED TDLM 1100 21W/827 120V	1100	80	2700	51	120	50k	25k	929000613703
Fortimo LED TDLM 1100 21W/830 120V	1100	80	3000	55	120	50k	25k	929000613603
Fortimo LED TDLM 1100 21W/835 120V	1100	80	3500	59	120	50k	25k	929000613803
Fortimo LED TDLM 1100 21W/840 120V	1100	80	4000	60	120	50k	25k	929000613503

2. Driver Solution

The Fortimo LED Twistable Downlight Module has an integrated driver to facilitate installation into light fixtures. With a replaceable package, it allows for a more sustainable design that eliminates the need to completely change an LED luminaire at the end of its lifetime.

3. Lamp Holder

To ensure proper installation, all applications require a specific lamp holder. The Fortimo Twistable lamp holder allows for ease of integration in a reliable twist-in and twist out design.

Description	Input Voltage	Part Number
BJB Fortimo LED Twistable DLM Lamp Holder	100-120VAC	28.107.1002.54

4. Thermal Management Solution

To optimize the lifetime and amount of light from the Fortimo LED Twistable 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 Twistable DLM 1100 - T _{amb} 40°C	HP30S-CALBL-002	SPARS-CM012-002*	WALLS-C4600-001

*Requires an external 12VDC power supply. Possible solution would be the Philips Xitanium LEDUNIA0350C12F.



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 as well as in pre- and post-anodized materials.

Description	Alux-Luxar Square Part Number (Pre-anodized)		Alux-Luxar Round Part Number (Post-anodized)	
	Specular 2x35°	Diffuse 2x35°	Specular 2x35°	Diffuse 2x20°
Fortimo LED Twistable DLM 1100	FLC 101	FLC 601	FLC 701	



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