**PHILIPS**

Fortimo

LED Systems

SLM Gen6

LED

Exceptional light quality, **ultimate flexibility**
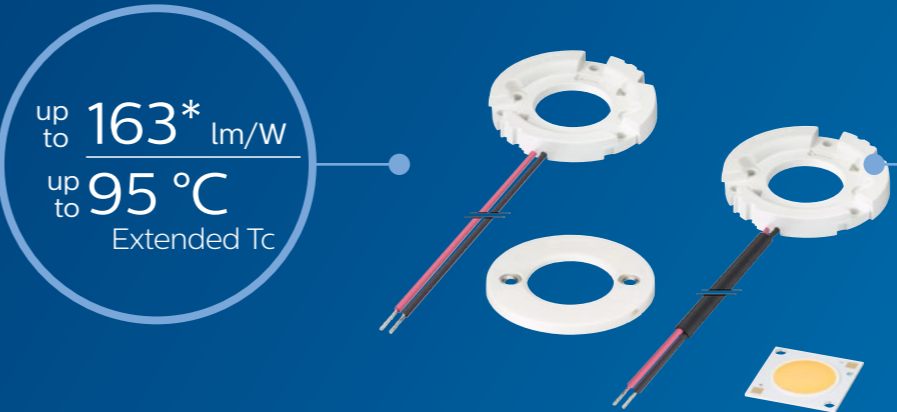
# Light that sells

Creating an attractive retail experience requires lighting perfection. Solutions that can bring out rich colors and crisp whites, highlight textures and finishes. So a store can be seen in the best possible light.

It's a challenge that inspires manufacturers and designers to take retail lighting to the next level. Used to its full potential in retail, lighting makes merchandise, brands and businesses shine. With the latest generation of spot lighting, you can imagine new possibilities and offer unique lighting solutions for all your customer's needs.

**A complete portfolio on a single platform**
The Fortimo LED SLM Gen6 range includes a full range of color temperatures, plus three additional types that are optimized for specific lighting applications: PremiumWhite and CrispWhite for (fashion) retail stores and Food PremiumRed and Food WarmWhite for food retail.

## What's new in Gen6?

up to **163*** lm/W
up to **95 °C** Extended Tc

- Exceptional rendering of whites and rich colors
- Extensive Choice of color temperatures, CRI and spectra's
- Ultimate flexibility for optimized luminaire performance
- Easy configuration of light level through our SimpleSet technology
- Small Light Emitting Surface (LES) sizes
- Efficacies up to 163* lm/W
- Extended Tc of up to 95 °C possible
- Range covers 700 lm to 10,000 lm

\* Fortimo SLM C 840 1208 L15 2024 G6 – 552 mA – 3000 lm – Tc=70 °C

**A perfect fit for every stage**
The Fortimo LED SLM Gen6 portfolio allows you to select a product based on quality of light, lumen per Watt or lumen per Euro. Each module is also interchangeable, enabling retailers to create different lighting effects throughout the entire store with just one consistent luminaire range.

"
Optimized lighting makes **merchandise shine.**"

# This is what we call "ultimate flexibility".

Quality of light has always been an essential aspect of lighting. In the past each lighting technology had its unique characteristics. For different quality of light, adoption of another lighting technology was required, i.e. halogen vs quartz metal halide. MASTERColour CDM technology changed this landscape completely; retailers had the choice between CRI 80 and CRI 90 light sources, different white tones and a choice of various color temperatures.

With Fortimo LED SLM Gen6 we offer our customers an even wider range of options, all within one portfolio. This allows customers to select any light color, CRI, white tone and Lm package without having to change the complete fixture. This is what we call "ultimate flexibility".

" Thanks to PremiumWhite I don't need to make a choice between light quality and energy effeciency. **It offers the best of both in 1 solution."**

## Fortimo LED SLM Gen6 PremiumWhite

PremiumWhite offers excellent light quality with a very good total cost of ownership. It's specially designed for spot and accent lighting in fashion retail, hospitality and supermarket applications where light quality and total cost of ownership are key requirements. In Fortimo SLM Gen6, 3500 K and 4000 K are added in the PremiumWhite portfolio.

## Fortimo LED SLM Gen6 CrispWhite

CrispWhite takes LED light quality to exceptional levels. CrispWhite technology offers unparalleled rendering of whites and colors within one light source. A unique solution that is unbeatable for high-end fashion retail applications.

CrispWhite technology is now available in all lumen packages and for narrow beam applications (LES sizes 6.5-19 mm).

# Create a unique lighting experience

With a superior color rendering index of CRI >90, the Fortimo LED SLM Gen6 range provides a fantastic color experience with deep color saturation, natural white tones and color consistence. What's more, the deep saturation of reds (R9), lives up to today's requirements in retail lighting. For high efficient applications also CRI >70 and CRI > 80 are available with the same form factor and driver compatibility.

Fortimo SLM Gen6 offers a wide range of color temperatures: WarmWhite light in 2700, 3000 and 3500 K, neutral white light in 4000 K and cool white in 5000 K. And thanks to its exceptional color consistency (MacAdam Ellipse of 3 SDCM) and very limited color spread over lifetime, the quality of light in your store is assured.

## Fortimo LED SLM Gen6 Food WarmWhite and Food PremiumRed

The Fortimo LED SLM Gen6 WarmWhite creates a tasteful, warm color impression that makes fresh food, such as fruit, vegetables and bread, look highly attractive. The Fortimo LED SLM Gen6 Food PremiumRed has been developed with a tuned color spectrum that enhances red and simultaneously displays white in a clear and fresh way. It creates a punchy contrast between the two colors, enhancing the appearance of fresh meat. Now also available with LES 15mm.

# Light up desire

For retail applications, creating a unique and dramatic ambience can entice people to come into a store. It also encourages them to stay for longer. And the more time they spend in store, the more they're likely to spend at the checkout. Our Fortimo LED lighting solutions are designed to light up desire. From Fortimo LED SLM PremiumWhite that combines excellent light quality with unrivaled efficiency to Fortimo LED SLM CrispWhite that creates the ultimate store experience.

| 4000 K | | 3000 K | | CrispWhite |
|--------|--|--------|--|------------|
| Ideal for white | + | Ideal for color | = | Best of both worlds |

## Fashion Retail

### Fortimo LED SLM Gen6



As energy costs are high on the retail agenda, our aim is to develop the most efficient light sources that offer good quality of light. This portfolio includes several propositions that are tailored for Fashion Retail ranging from 2700 K, 3000 K, 3500 K, 4000 K with a color rendering index of CRI>70, CRI>80 and CRI>90.

| Specifications |
|---|
| 2700K, 3000K, 3500K, 4000K & 5000K on BBL |
| CRI 70, 80 or 90 |
| Up to 179 lm/W (1208 740 – 3000lm – Tc=70 °C) |

### Fortimo LED SLM Gen6 PremiumWhite



Excellent light quality with the perfect total cost of ownership; that's the ultimate combination that fashion retailers are looking for. Fortimo LED SLM PremiumWhite achieves exactly the right balance with high rendering of colors and beautifully whites. The must-have light source for fashion stores and shopping malls.

| Specifications |
|---|
| 3000K, 3500K & 4000K below BBL |
| CRI 80 or 90 |
| 155 lm/W (1208 830PW – 3000lm – Tc=70 °C) |
| PremiumWhite effect |

**Explore more**
www.lighting.philips.co.uk/PremiumWhite

### Fortimo LED SLM Gen6 CrispWhite



Since its introduction, Fortimo LED SLM CrispWhite has revolutionized fashion retail applications. It's the first light source that can make whites appear pure, bright and crisp at the same time as making other colors appear warm, saturated and intense. Perfect for high-end stores and chic boutiques. The result is a totally new color experience. So you can promise fashion retailers all the advantages of LED, but with the added benefit of enhanced rendering for both whites and colors.

| Specifications |
|---|
| 3000K below BBL |
| CRI 90 |
| 97 lm/W (1208 930CW – 3000lm – Tc=70 °C) |
| CrispWhite effect |

**Explore more**
www.lighting.philips.co.uk/CrispWhite

**CrispWhite technology has given my store a real wow factor.** My customers know it feels different, they just can't work out why.**

# Savour
## every detail

When you're passionate about food, seeing every detail counts. Thanks to two optimized colors, WarmWhite and PremiumRed, you can design luminaires that will tempt customers to fill their baskets.



**Food** Retail

### Fortimo LED SLM Gen6
**Food WarmWhite**



The Fortimo LED SLM WarmWhite creates a unique color impression that makes fresh food, such as fruit, vegetables and bread, look incredibly attractive. It brings out the natural brilliance of colors, especially greens, reds and yellows, making them appear warm and saturated. Exactly what retailers expect from your fresh food display lighting.

| Specifications |
| --- |
| 2500K |
| CRI 90 |
| 90 lm/W (1211 FWW – 3000lm – Tc=70 °C) |
| Optimized spectrum for fresh food applications |

**Explore more**
www.lighting.philips.co.uk/WarmWhite

### Fortimo LED SLM Gen6
**Food PremiumRed**

The Fortimo LED SLM PremiumRed is a dedicated solution or fresh meat. It's been developed with a tuned color spectrum that enhances red, yet simultaneously presents white in a clear and fresh way. It's this punchy contrast between the two colors that enhances the appearance of fresh meat. So your solutions have more punch too.

| Specifications |
| --- |
| 3000K below BBL |
| CRI 90 |
| 94 lm/W (1211 FPR – 3000lm – Tc=70 °C) |
| Red enhancement |

**Explore more**
www.lighting.philips.co.uk/PremiumRed
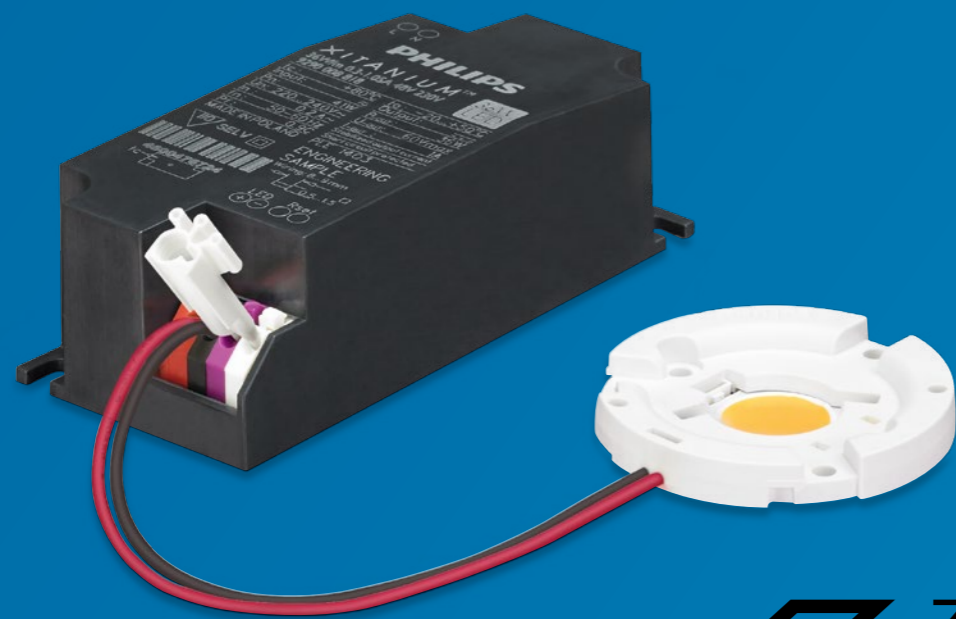
# Your vision,
# our modules

High quality, easy to work with and future-proofed. That's the Fortimo LED SLM Gen6 modules.

**A smart system**
The Fortimo LED SLM Gen6 system is backward compatible and easy to design-in. It also has a long and proven lifetime backed up by the Philips five-year system warranty.

The SLM modules promise flexible lumen output settings, consistent light distribution, and a standardized optical, mechanical, electrical and thermal interface. The module design is Zhaga-compliant and is backwards-compatible with previous SLM generation CoB's, holders and drivers.*

*\* Zhaga-compliant and is backwards-compatible with previous SLM generation CoB's, holders and drivers. Measurements on the SLM 3000 lm L15 module show compliance to Zhaga book 3 version 1.2*

**5** **year system warranty**

**Spot light essentials**
The Fortimo LED SLM is designed to work with our wide range of Xitanium LED drivers. This smart system approach includes the following spot light essentials:

· Xitanium mini drivers to minimize luminaire designs
· Xitanium window drivers with SimpleSet technology for maximum flexibility
· DALI dimming for scene setting and additional energy savings
· Independent driver with mains loop through, for easy installation with a remote driver
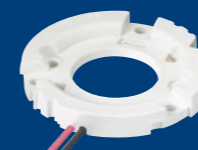· DC input is enabled to ensure compatibility with a central emergency system.

**Easy design-in and approbation**
Fortimo LED SLM systems are designed to meet the challenges faced by luminaire manufacturers:
· Easy design-in possibilities with a high Tc point of 95 °C for further miniaturization
· ENEC, CE, REACH and RoHS-certified for quick and easy luminaire approbation
· Full set of complementary thermal and optical partner components available for quick luminaire design.

**Z** Zhaga

## Maximum flexibility

The modules come with three different holder options. These must be ordered separately:

| Standard holder | Down light holder | ZP holder NEW | Poke-in holder |
|---|---|---|---|
| with two fixed, pre-molded connection wires (60 cm, pre-tinned) | with two fixed, pre-molded connection wires (60 cm, tin-dipped) with an extra sleeve to accommodate strain relief | Original Fortimo shaped holder (Zhaga compliant) with poke-in connectors for easy assembly of pre-wired luminaires | without fixed wires, but with two push-in connection points allowing users to mount their own wires. |

# Product and ordering information*



## Fortimo SLM Gen6

| Product name | EOC code |
|---|---|
| **New** LES size: 6.5mm – typical lm ouput: 800lm | |
| Fortimo SLM C 827 1202 L06 1215 G6 | 871869665137700 |
| Fortimo SLM C 830 1202 L06 1215 G6 | 871869665139100 |
| Fortimo SLM C 835 1202 L06 1215 G6 | 871869665141400 |
| Fortimo SLM C 840 1202 L06 1215 G6 | 871869665143800 |
| Fortimo SLM C 927 1202 L06 1215 G6 | 871869665152000 |
| Fortimo SLM C 930 1202 L06 1215 G6 | 871869665 154400 |
| **LES size: 9mm – typical lm ouput: 1100lm** | |
| Fortimo SLM C 740 1203 L09 1619 G6 | 871869665072100 |
| Fortimo SLM C 827 1203 L09 1619 G6 | 871869665074500 |
| Fortimo SLM C 830 1203 L09 1619 G6 | 871869665076900 |
| Fortimo SLM C 835 1203 L09 1619 G6 | 871869665078300 |
| Fortimo SLM C 840 1203 L09 1619 G6 | 871869665080600 |
| Fortimo SLM C 850 1203 L09 1619 G6 | 871869665082000 |
| Fortimo SLM C 927 1203 L09 1619 G6 | 871869665088200 |
| Fortimo SLM C 930 1203 L09 1619 G6 | 871869665090500 |
| **LES size 13mm – Typical lm output: 2000lm** | |
| Fortimo SLM C 740 1205 L13 2024 G6 | 871869665018900 |
| Fortimo SLM C 827 1205 L13 2024 G6 | 871869665020200 |
| Fortimo SLM C 830 1205 L13 2024 G6 | 871869664928200 |
| Fortimo SLM C 835 1205 L13 2024 G6 | 871869665022600 |
| Fortimo SLM C 840 1205 L13 2024 G6 | 871869665024000 |
| Fortimo SLM C 850 1205 L13 2024 G6 | 871869665026400 |
| Fortimo SLM C 927 1205 L13 2024 G6 | 871869665030100 |
| Fortimo SLM C 930 1205 L13 2024 G6 | 871869665032500 |
| **LES size 15mm – Typical lm output: 3000lm** | |
| Fortimo SLM C 740 1208 L15 2024 G6 | 871869665044800 |
| Fortimo SLM C 827 1208 L15 2024 G6 | 871869665046200 |
| Fortimo SLM C 830 1208 L15 2024 G6 | 871869665048600 |
| Fortimo SLM C 835 1208 L15 2024 G6 | 871869665050900 |
| Fortimo SLM C 840 1208 L15 2024 G6 | 871869665052300 |
| Fortimo SLM C 850 1208 L15 2024 G6 | 871869665054700 |
| Fortimo SLM C 857 1208 L15 2024 G6 | 871869665056100 |
| Fortimo SLM C 927 1208 L15 2024 G6 | 871869665058500 |
| Fortimo SLM C 930 1208 L15 2024 G6 | 871869665060800 |

| Product name | EOC code |
|---|---|
| **LES size 19mm – Typical lm output: 4500lm** | |
| Fortimo SLM C 740 1211 L19 2828 G6 | 871869664930500 |
| Fortimo SLM C 827 1211 L19 2828 G6 | 871869664932900 |
| Fortimo SLM C 830 1211 L19 2828 G6 | 871869664934300 |
| Fortimo SLM C 835 1211 L19 2828 G6 | 871869664936700 |
| Fortimo SLM C 840 1211 L19 2828 G6 | 871869664938100 |
| Fortimo SLM C 850 1211 L19 2828 G6 | 871869664940400 |
| Fortimo SLM C 857 1211 L19 2828 G6 | 871869664942800 |
| Fortimo SLM C 927 1211 L19 2828 G6 | 871869664944200 |
| Fortimo SLM C 930 1211 L19 2828 G6 | 871869664946600 |
| **New** LES size 23mm – Typical lm output: 6000lm | |
| Fortimo SLM C 740 1216 L23 2828 G6 | 871869664958900 |
| Fortimo SLM C 827 1216 L23 2828 G6 | 871869664960200 |
| Fortimo SLM C 830 1216 L23 2828 G6 | 871869664962600 |
| Fortimo SLM C 835 1216 L23 2828 G6 | 871869664964000 |
| Fortimo SLM C 840 1216 L23 2828 G6 | 871869664966400 |
| Fortimo SLM C 850 1216 L23 2828 G6 | 871869664968800 |
| Fortimo SLM C 857 1216 L23 2828 G6 | 871869664970100 |
| Fortimo SLM C 930 1216 L23 2828 G6 | 871869664974900 |

## Fortimo SLM Gen6 PremiumWhite

| Product name | EOC code |
|---|---|
| **New** LES size: 6.5mm – typical lm ouput: 800lm | |
| Fortimo SLM C 830 PW 1202 L06 1215 G6 | 871869665156800 |
| Fortimo SLM C 930 PW 1202 L06 1215 G6 | 871869665158200 |
| Fortimo SLM C 935 PW 1202 L06 1215 G6 | 871869665160500 |
| Fortimo SLM C 940 PW 1202 L06 1215 G6 | 871869665162900 |
| **LES size: 9mm – Typical lm output: 1100lm** | |
| Fortimo SLM C 830 PW 1203 L09 1619 G6 | 871869665092900 |
| Fortimo SLM C 930 PW 1203 L09 1619 G6 | 871869665094300 |
| Fortimo SLM C 935 PW 1203 L09 1619 G6 | 871869665096700 |
| Fortimo SLM C 940 PW 1203 L09 1619 G6 | 871869665098100 |
| **LES size 13mm – Typical lm output: 2000lm** | |
| Fortimo SLM C 830 PW 1205 L13 2024 G6 | 871869665034900 |
| Fortimo SLM C 930 PW 1205 L13 2024 G6 | 871869665036300 |
| Fortimo SLM C 935 PW 1205 L13 2024 G6 | 871869665038700 |
| Fortimo SLM C 940 PW 1205 L13 2024 G6 | 871869665040000 |
| **LES size 15mm – Typical lm output: 3000lm** | |
| Fortimo SLM C 830 PW 1208 L15 2024 G6 | 871869665062200 |
| Fortimo SLM C 930 PW 1208 L15 2024 G6 | 871869665064060 |
| Fortimo SLM C 935 PW 1208 L15 2024 G6 | 871869665066000 |
| Fortimo SLM C 940 PW 1208 L15 2024 G6 | 871869665068400 |
| **LES size 19mm – Typical lm output: 4500lm** | |
| Fortimo SLM C 830 PW 1211 L19 2828 G6 | 871869664948000 |
| Fortimo SLM C 930 PW 1211 L19 2828 G6 | 871869664950300 |
| Fortimo SLM C 935 PW 1211 L19 2828 G6 | 871869664952700 |
| Fortimo SLM C 940 PW 1211 L19 2828 G6 | 871869664954100 |
| **New** LES size 23mm – Typical lm output: 6000lm | |
| Fortimo SLM C 830 PW 1216 L23 2828 G6 | 871869664976300 |
| Fortimo SLM C 930 PW 1216 L23 2828 G6 | 871869664978700 |
| Fortimo SLM C 935 PW 1216 L23 2828 G6 | 871869664980000 |
| Fortimo SLM C 940 PW 1216 L23 2828 G6 | 871869664982400 |

## Fortimo SLM Gen6 Crisp White

| Product name | EOC code |
|---|---|
| **New** LES size: 6.5mm – typical lm ouput: 800lm | |
| Fortimo SLM C 930 CW 1202 L06 1215 G6 | 871869665164300 |
| **LES size: 9mm – typical lm ouput: 1100lm** | |
| Fortimo SLM C 930 CW 1203 L09 1619 G6 | 871869665100100 |
| **LES size 13mm – Typical lm output: 2000lm** | |
| Fortimo SLM C 930 CW 1205 L13 2024 G6 | 871869665042400 |
| **LES size 15mm – Typical lm output: 3000lm** | |
| Fortimo SLM C 930 CW 1208 L15 2024 G6 | 871869665070700 |
| **LES size 19mm – Typical lm output: 4500lm** | |
| Fortimo SLM C 930 CW 1211 L19 2828 G6 | 871869664956500 |

## Fortimo SLM Gen6 Food applications

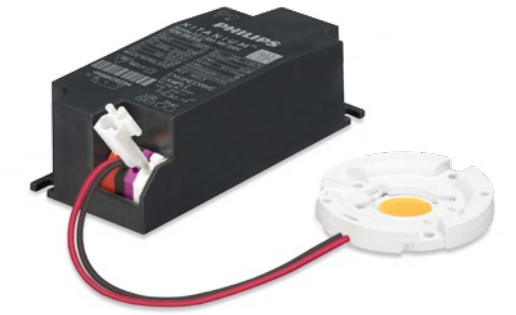| Product name | EOC code |
|---|---|
| **LES size 15mm  NEW** | |
| Fortimo SLM C 925 FWW 1208 L15 2024 G6 | 871869664986200 |
| Fortimo SLM C 930 FPR 1208 L15 2024 G6 | 871869664988600 |
| **LES size 19mm** | |
| Fortimo SLM C 930 FWW 1211 L19 2828 G5 | 694793911845800 |
| Fortimo SLM C 930 FPR 1211 L19 2828 G5 | 694793911801400 |

This overview shows the global portfolio. Please check local availability at your Philips representative.

## Driver compatibility

| Module type | Xitanium LED driver window* | Xitanium Single Current LED driver* |
|---|---|---|
| 1202s, L06 | Xitanium 20W 0.15–0.5A 48V | Xitanium 16W/m 0.35A 46V SC 230V |
| | | Xitanium 23W/m 0.5A 46V SC 230V |
| 1203, L09 | Xitanium 20W 0.15–0.5A 48V | Xitanium 16W/m 0.35A 46V SC 230V |
| | | Xitanium 23W/m 0.5A 46V SC 230V |
| 1205, L13 | Xitanium 20W 0.15–0.5A 48V | Xitanium 16W/m 0.35A 46V SC 230V |
| | Xitanium 36W 0.3–1A 48V | Xitanium 23W/m 0.5A 46V SC 230V |
| | | Xitanium 32W/m 0.7A 46V SC 230V |
| 1208, L15 | Xitanium 36W 0.3–1A 48V | Xitanium 16W/m 0.35A 46V SC 230V |
| | Xitanium 50W 0.9–1.4A 48V | Xitanium 23W/m 0.5A 46V SC 230V |
| | Xitanium 50W 0.7–1.5A 48V | Xitanium 32W/m 0.7A 46V SC 230V |
| 1211, L19 | Xitanium 50W 0.7–1.5A 48V | Xitanium 16W/m 0.35A 46V SC 230V |
| | Xitanium 50W 0.9–1.4A 48V | Xitanium 23W/m 0.5A 46V SC 230V |
| | | Xitanium 32W/m 0.7A 46V SC 230V |
| 1216, L23 | Xitanium 50W 0.7–1.5A 48V | Xitanium 16W/m 0.35A 46V SC 230V |
| | Xitanium 50W 0.9–1.4A 48V | Xitanium 23W/m 0.5A 46V SC 230V |
| | | Xitanium 32W/m 0.7A 46V SC 230V |

\* Check the Xitanium indoor point driver portfolio or EasyDesignInTool.com
 for all available drivers with the operating point you need.

## Fortimo SLM Gen6 – Holders

| Product name | EOC code |
|---|---|
| **Standard holder** | |
| Fortimo SLM H 1619 G1 | 871869652205900 |
| Fortimo SLM H 2024 G1 | 871869650674500 |
| Fortimo SLM H 2828 G1 | 871869650680600 |
| **Downlight holder** | |
| Fortimo SLM H  DL 1619 G1 | 871869652208000 |
| Fortimo SLM H  DL 2024 G1 | 871869650677600 |
| Fortimo SLM H DL 2828 G1 | 871869650683700 |
| New **Zhaga Poke-in holder** | |
| Fortimo SLM H ZP 1619 G1 | 694793912723800 |
| Fortimo SLM H ZP 2024 G1 | 694793912725200 |
| Fortimo SLM H ZP 2828 G1 | 694793912727600 |
| **Poke-in holder** | |
| Fortimo SLM H PI 1619 G1 | 871869652211000 |
| Fortimo SLM H PI 2024 G1 | 871869650700100 |
| Fortimo SLM H PI 2828 G1 | 871869650702500 |

## Easy Design-in Tool

In order to help Luminaire manufacturers find their way through the growing maze of complexity of LED systems and the different specifications they are capable of achieving, Philips developed the Easy Design-in Tool.
This unique cloud-based software makes you able to select and fine-tune your own LED system by addressing the optical, thermal, electrical and mechanical impacts. On-line, in less than 5 minutes, and with full flexibility.

**EasyDesignInTool.com**

PHILIPS

www.philips.com/technology