



# Philips OEM LED Catalogue Asia 2023



“I am very proud to present our latest innovations on Connectivity and Health and Wellbeing.”



### Dear Customer,

Welcome to our 2023 Philips OEM LED Catalogue Asia! As usual, you'll find it's packed with innovative solutions that will help you to keep up to date with the latest trends and technologies in LED with our portfolios of LED Electronics, WiZ Pro and LED Lamps!

For 2023, our portfolio continues to have a strong focus on connected lighting solutions. Innovative ideas, such as Philips MasterConnect and Wiz Pro, have a hugely positive impact on energy consumption and carbon reduction. They enable us to contribute to reducing global warming at a time when there is unprecedented pressure on everyone to address climate change.

You will find meaningful innovations in each part of the portfolio, and you see that we are further pushing boundaries of size reduction, efficiency improvement, productivity improvement in your factories and more.

In case you have any questions, or need any support for design-in: we have a capable team of enthusiastic and qualified Product Managers and Design-In engineers, who are ready to help you solving any technical challenge, so that you can bring the best solutions to your end-user customers.

We are excited to be part of this next wave of opportunities, and hope that we can collaborate on

speeding up the adoption of connectivity solutions together!

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Learn more at  
[www.lighting.philips.com.sg/oem-asia](http://www.lighting.philips.com.sg/oem-asia)

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# Retail

# Office

# Industry

# Outdoor

# Hospitality

## We offer solutions for all segments:



**Fashion and food retailers, department stores and shopping malls use every means they can to appeal to their target audiences.**

This includes careful consideration of the lighting, whereby image, company identity and an appealing atmosphere play a key role in the choice of lighting design. Depending on the application, different elements come in to play, such as energy efficiency, color rendering ability, the correct color temperature, whiteness, color saturation or dynamic lighting. For all of these specific needs, we can offer a variety of LED light engines and a complementary range of electronic drivers for retail lighting, from downlights, spotlights to linear fixtures, each with their own, unique proposition and features designed around specific retail lighting applications.



**The office segment has been dominated for many years by linear lighting solutions.**

This segment, which also includes areas such as education and hospitals, has always maintained a strong drive towards energy saving. Legislation and building regulations have driven the standards on light quality, luminance and energy efficiency in a working environment, and this has also highlighted the role of lighting controls. We address this market segment with a full, state-of-the-art, highly efficient LED linear module and drivers portfolio, in a building block format, as well as a luminaire-based and stand-alone controls range.



**The industry segment covers an extensive range of applications such as warehouses, production areas, cold storage, food processing and parking areas.**

This segment is moving strongly towards energy efficiency and lower maintenance while enabling high-quality, uniform lighting for optimum visual performance and visual comfort that contributes to a more efficient and productive workplace. Our module and driver portfolio enables cost-effective and reliable systems for extreme application conditions, delivering ultimate light quality and comfort. Used with controls, our lighting solutions provide illumination only when and where it is needed for increased energy efficiency.



**Outdoor lighting encompasses a vast range of applications, including motorways, highways, residential areas, city centers, sports and tunnel lighting.**

All have their particular lighting needs and requirements. The outdoor market is transforming fast from HID light sources to LED and is also a forerunner in lighting control management systems. Here we have a diverse product portfolio available for luminaire manufacturers with a choice of several LED module families and a vast range of Xitanium outdoor drivers, with a focus on robustness, reliability, configurability and connectivity.



**Within hospitality lighting, energy savings (sustainability), quality of light and creating an optimal guest experience are of great importance.**

Within this segment, many different lighting technologies are used in various application areas. Examples are reception and lobby, corridors, guest rooms, bars, restaurants, conference centers and even outdoor areas. Whether it's replacing a halogen or fluorescent light source with a retrofit LED lamp or fully refurbishing relevant hotel areas with (controllable) LED luminaires, we have the technology components to realize this. We offer luminaire manufacturers a wide range of LED products, such as spotlighting and downlighting systems. Our linear and outdoor systems are also used in the hospitality segment.

# Connectivity

Feel the potential of connected lighting



# Achieve seamless connectivity

Philips MasterConnect is an innovative way to enable lighting components to work seamlessly together to deliver all the amazing benefits of lighting automation. It guarantees the reliable interoperability of luminaires, drivers, sensors, switches, and even gateways. That's because the entire solution is built around Bluetooth Low Energy (BLE) and Zigbee protocols. So, it also offers the flexibility to upgrade, enhance and expand your connected lighting at any time in the future.

## Easy to use and install

The lighting network set up and configuration is designed to be quick and simple. It's easy to install, add and commission luminaires just by using the mobile app. No specific tooling or extensive training is needed. This saves time and money by enabling installers to configure a wireless connected network in the field without any IT hassles. And once it's set up, the solution works independently and requires no manual input.

## One platform for all applications and configurations

With Philips MasterConnect, you can use the same system approach for every project – even when there are large groups of connected luminaires. Our Philips MasterConnect components can be used in a variety of applications including schools, offices, hospitals, retail applications and even warehouse and assembly areas. All these applications can be set up using one app – the Philips MasterConnect app.

## A three-tier model

It's a completely scalable concept with wireless components that are easy to design into the lighting network to add more features and functionality whenever they are required. From simple stand-alone solutions to a sophisticated gateway solution – and anything else in between, you can create every configuration of connected system using the same suite of components.

## Future-proof installations

We are continually adding new features to our products and improving the performance of our app and firmware. Thanks to the option of over-the air (OTA) updates, you can easily upgrade the components to feature the latest firmware. Which means you can make use of any improvements you need – without the need to exchange your hardware.

## Open standards, more choice

We're committed to pioneering new advances in the connected lighting industry. That's why our solutions are based on Open Source standards like BLE and Zigbee. This allows us to work with a wide range third-party products like wireless switches to extend the Philips MasterConnect system. So, you can break down the barriers to connected lighting, and take confident steps towards a brighter, connected future.

## New features and products

For more flexibility our latest firmware makes it possible to use Philips MasterConnect for larger group sizes (up to 100 luminaires). And thanks to out-of-the-box behavior, sensors have basic functionalities without the need to set them up beforehand. This bridges the time between installing and commissioning connected luminaire using the Philips MasterConnect app.

We're also extending our application areas. Previously, Philips MasterConnect focused on offices, schools, hospitals, and retail applications. Now the industry segment also can profit from connected, simple, scalable lighting systems with the new EasyAir SNH 210 MC and EasyAir SNHB210 MC.



## Philips MasterConnect use cases at a glance

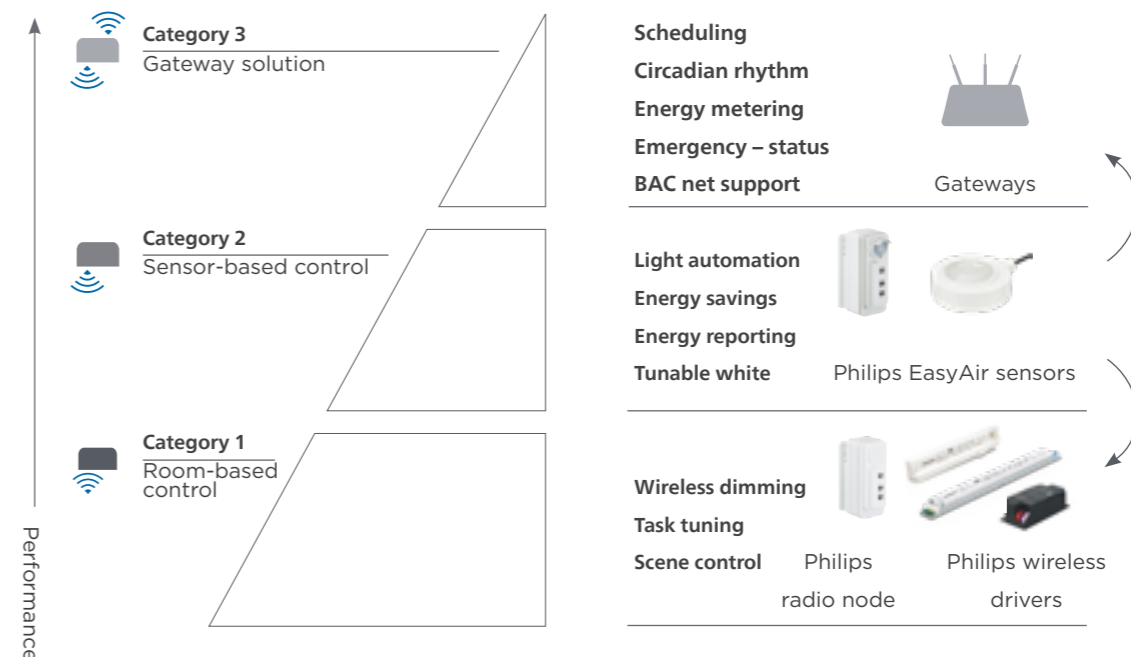


Figure 1: Three levels of lighting connectivity.

# Tier model Category 1

## Get started with a simple, stand-alone solution

Let's take a look at our three-tier model in more detail.

This cost-effective option uses the Philips MasterConnect app to set up a simple network with wireless drivers and manual switches to control lighting functions.

- Enjoy wireless dimming or scene setting.
- Personalize light levels to suit different tasks and needs.
- Enable energy savings with occupancy detection and daylight harvesting by adding external room-based sensors like the Philips EasyAir Occupancy Daylight ZGP sensors.

In this connected lighting network, there's no need for a gateway or hard wiring. The lighting controls and dimming functions are done by wireless switches and the network is fully functional at all times - even without the

Philips MasterConnect app.

**Ideal for:** Offices (meetings rooms, corridors), schools (general areas, bathrooms, classrooms) and industry (parking spaces, storage rooms).




-  Xitanium wireless driver
-  Bluetooth
-  Zigbee

Figure 2: Want a stand-alone connected lighting network with wireless dimming? Easy. Just download the app and configure the drivers into a network.

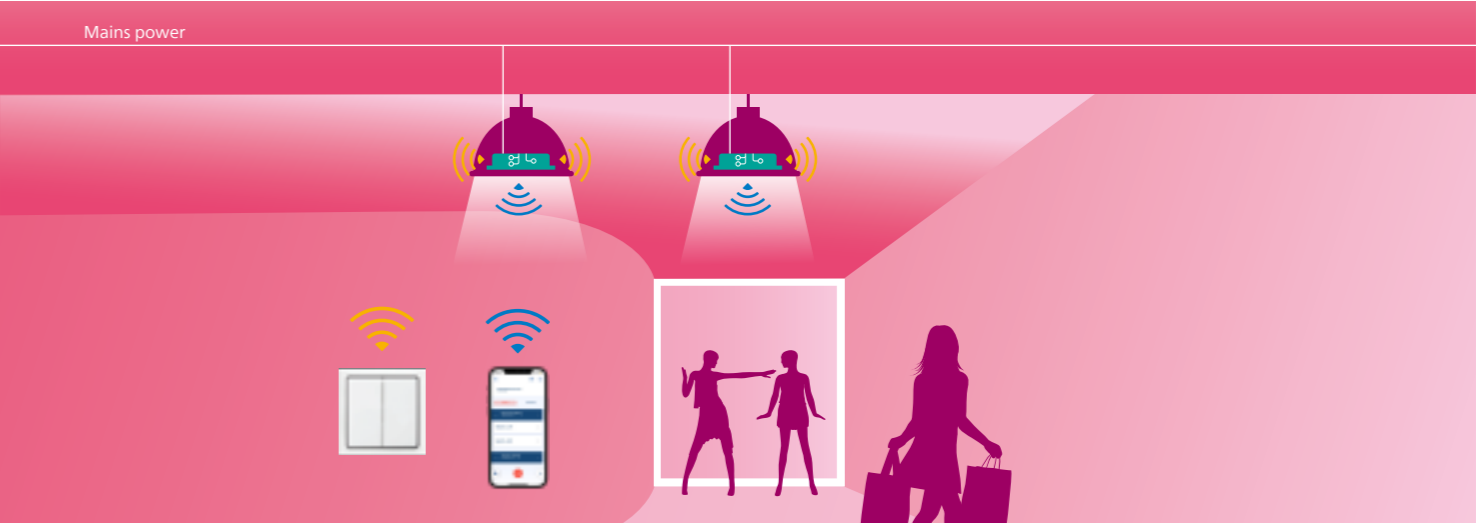
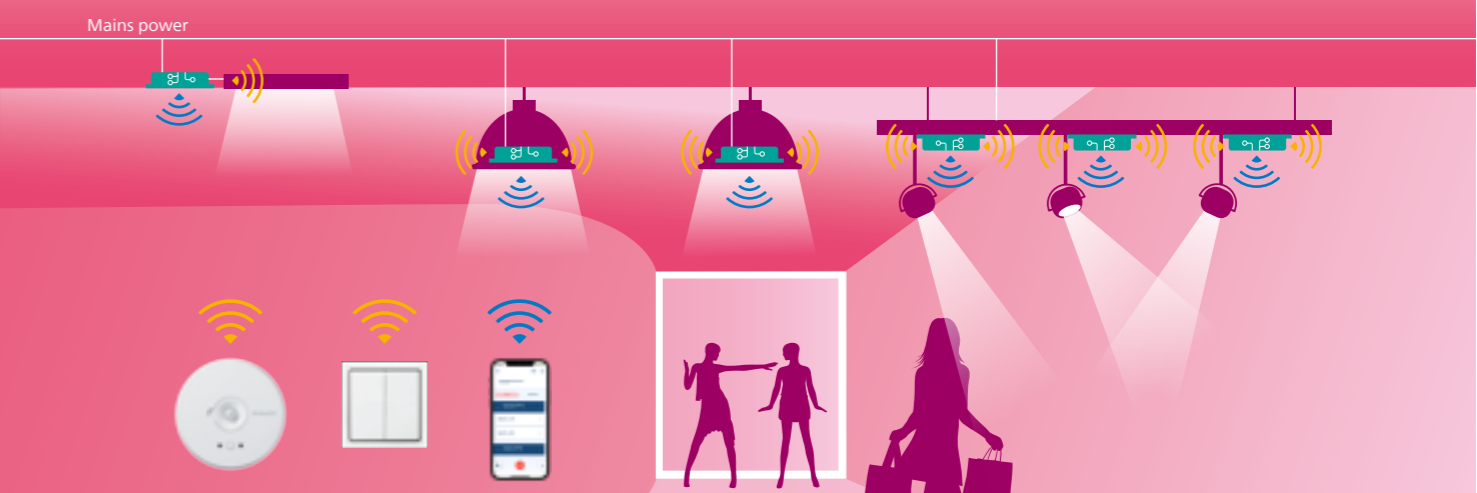


Figure 3: Need to expand the network? No problem. Use the app to add more luminaires to the existing network at any time.



Figure 4: Want more control over areas? Simply add more functions to your lighting network by adding room-based sensors. Sensors like the Philips EasyAir Occupancy Daylight.



# Tier model Category 2

## Get more control with a stand-alone lighting network with granular dimming

This solution offers an extra degree of control over your lighting system for valuable energy savings and a more comfortable lighting experience.

- Use motion detection to switch lights on and off, up, or down with a Philips EasyAir SNS210 sensor in every luminaire.
- Enjoy touchless dimming control per individual, group, or subgroups for optimum comfort.
- Maximize energy savings with motion detection and daylight harvesting.
- Access energy reports via the phone app.

This wireless lighting network set up enables automated lighting without a gateway. It is a great solution for refurbishment projects offering re-use of existing DALI luminaires to maximize value for money.

### Ideal for:

Offices (corridors, conference rooms), schools (classrooms, canteen, toilets) and hospitals (wards, reception).

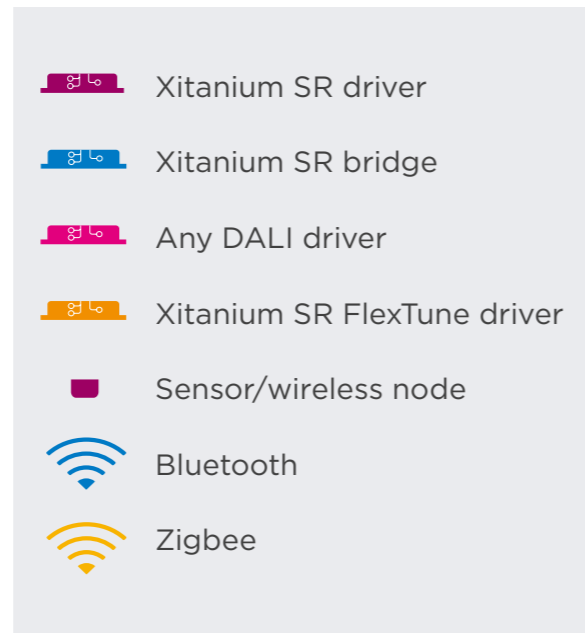


Figure 5: Want an extra degree of control? Just add EasyAir SNS210 sensors to every SR-powered luminaire in your network.

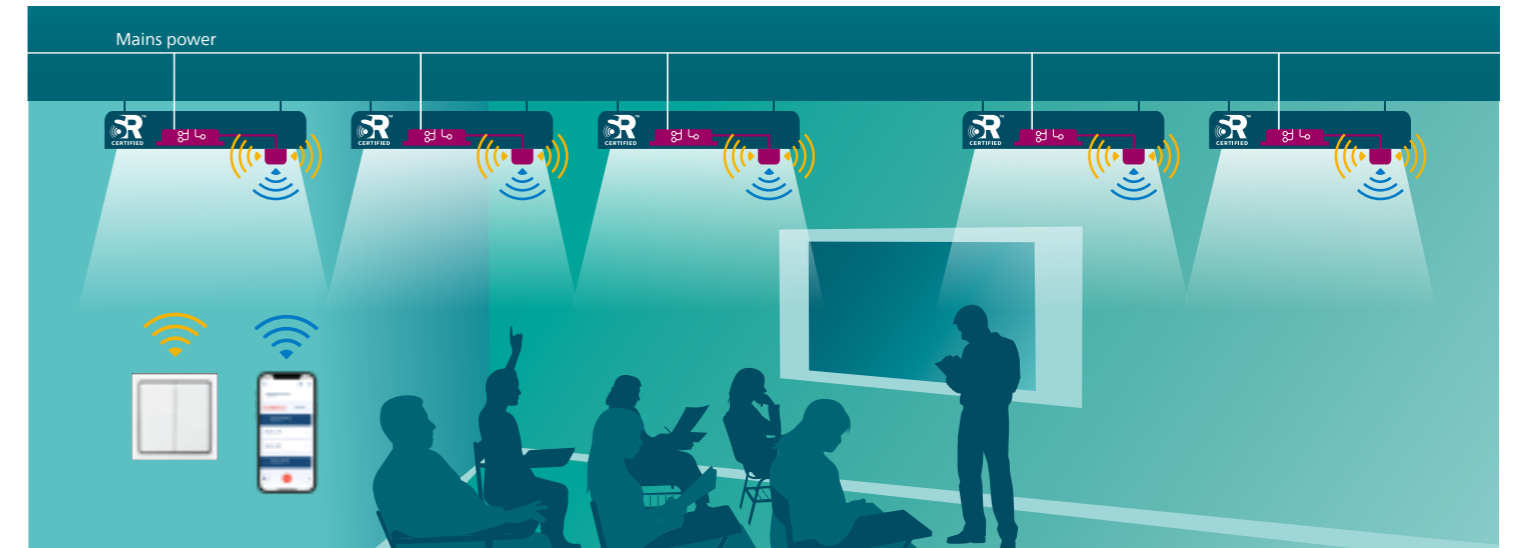


Figure 6: Using existing wired DALI luminaires? Simple. Add them into the network at any time using an SR bridge.

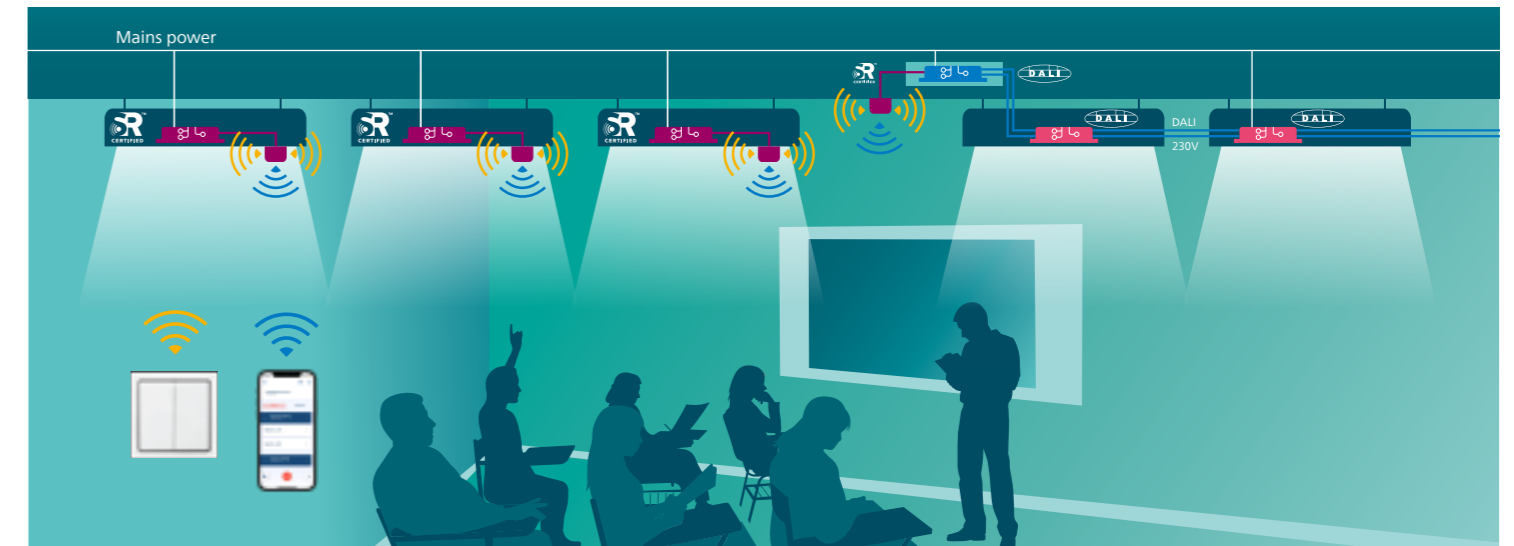
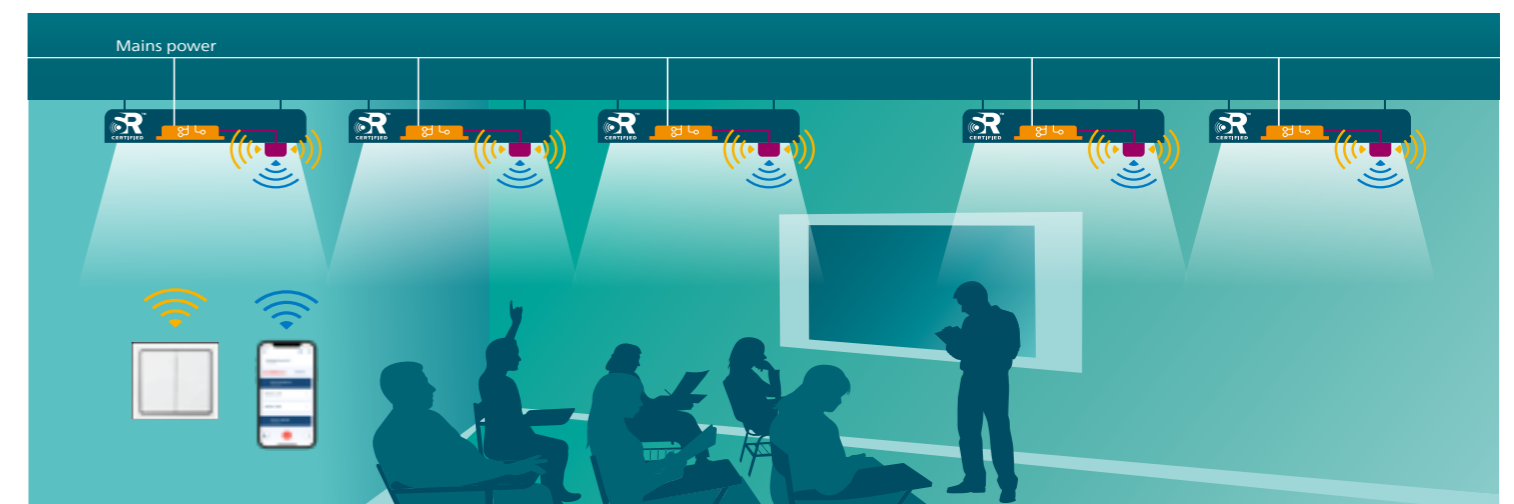


Figure 7: Need more ambience? Create a tunable white system using a Xitanium SR FlexTune driver and EasyAir SNS210 sensor.



# Tier model Category 3 Get full integration with an IoT solution with gateway

This fully integrated, connected network adds value beyond illumination to deliver significant commercial, operational, and financial advantages.

- Builds on category 1 and 2 solutions with a Zigbee gateway.
- Adds advanced features such as scheduling, monitoring, and energy reporting.
- Enables complex scenarios for different lighting behaviors.
- Includes direct reporting via the gateway dashboard to reduce costs and downtime.

This Internet of Things (IoT) category solution works with Signify-trusted gateway partners and is enabled by gateway software.

Ideal for:

Ambitious infrastructure plans in offices, schools, retail, and hospitality applications.

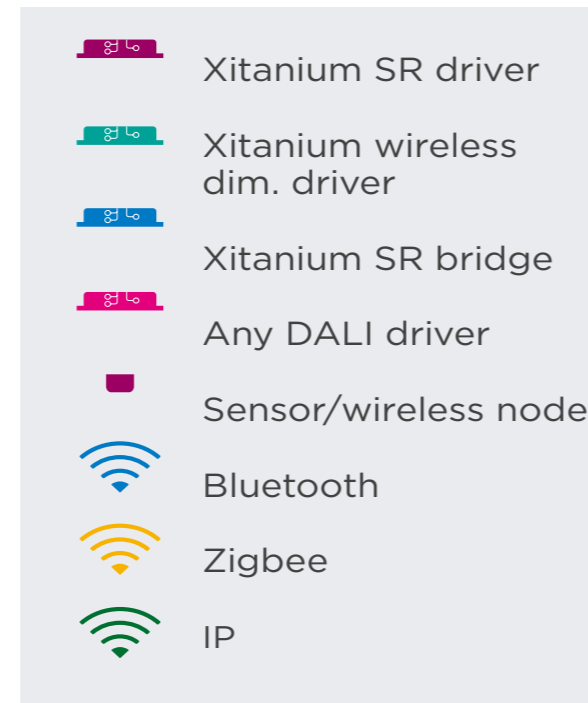
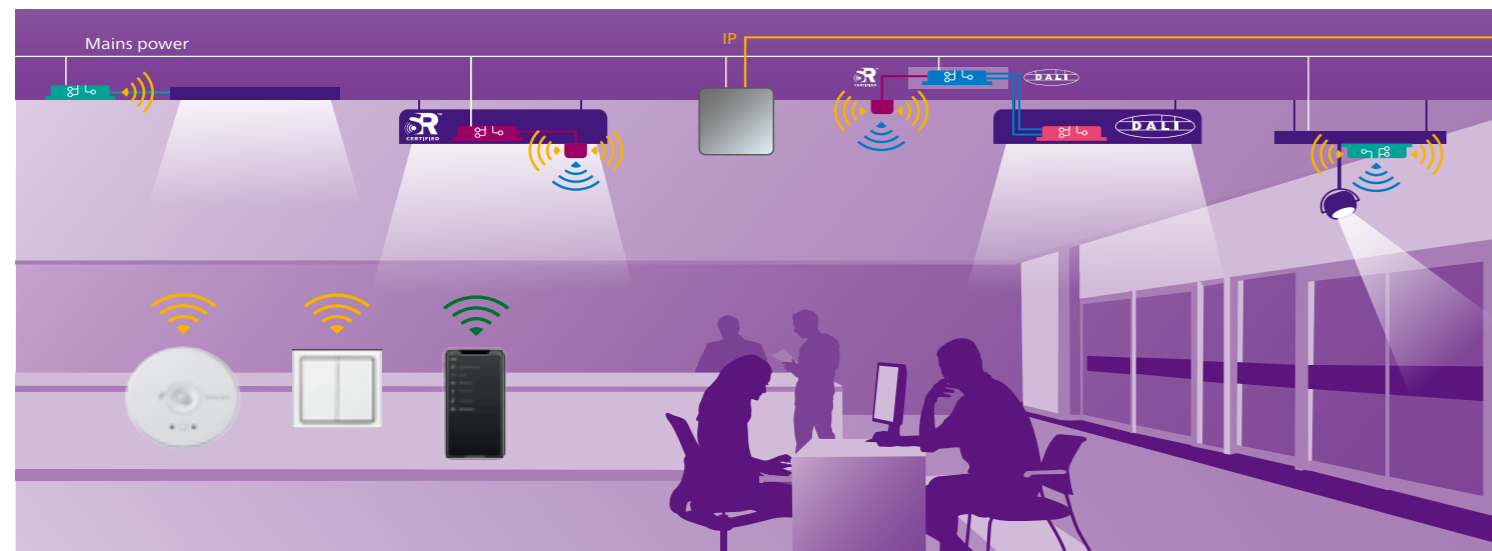


Figure 8: An integrated IoT solution for indoor lighting architecture.



# All open standards within one connected lighting network

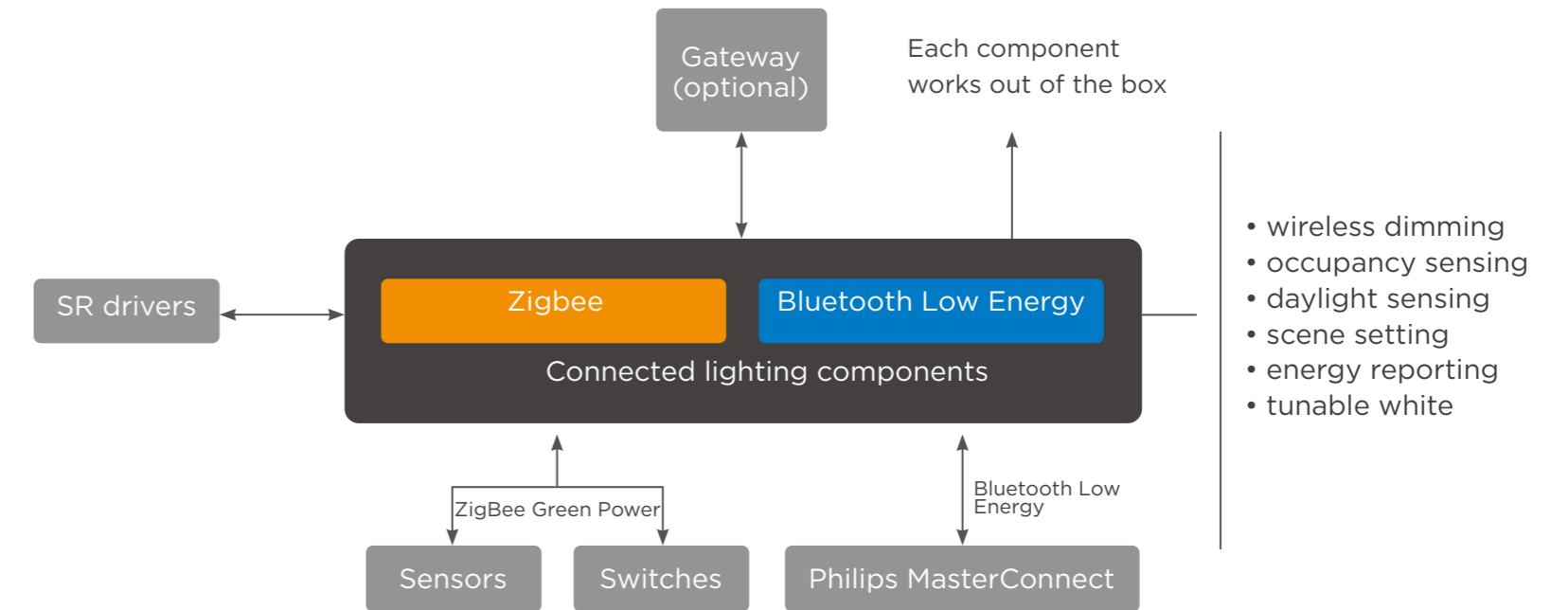
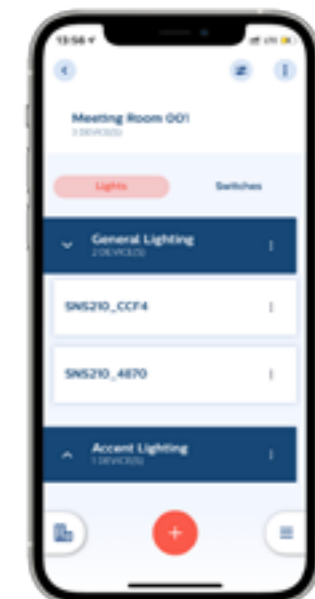


Figure 9: The Philips field app MC enables connected lighting networks based on open standards.

## Download the app today

Philips MasterConnect has been rebranded from the Philips field app MC. Its new name also comes with new features and new applications.

Take the next steps towards simple, scalable, standardized connected lighting. To learn more about lighting components that work with Philips MasterConnect for a wide range of applications, access [www.philips.com/masterconnectsystem](http://www.philips.com/masterconnectsystem). Or download the Philips MasterConnect and get connected now.





## Connectivity

EasyAir sensors have a single-box, luminaire-mounting format, powered by Xitanium SR via a two-wire connection, to save time and costs when integrating them into your luminaires. The latest generation EasyAir SNS210 MC / SNH210 MC / SNHB210 MC sensors feature presence and daylight sensing together with advanced grouping and many other innovative features.

The sensors work with BLE (Bluetooth Low Energy) technology and can be set up using the Philips MasterConnect app-available for Android and iOS platforms. Not only do all our sensors bring energy savings, but they also enable human-centric lighting with color tuning or color scene recall, energy reporting, and much more. They are intended to be used across all office and industry applications, such as open plan offices, meeting rooms, schools, warehouses or assembly areas.

EasyAir sensors enable simple and valuable smart lighting use cases in a cost-effective way. For all wireless MasterConnect drivers, please check out the linear and point driver sections of this catalog.

## Sensors & wireless nodes

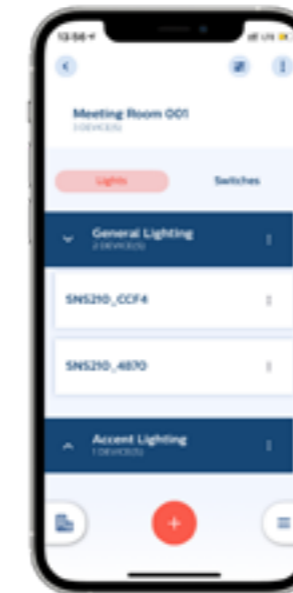
Product specificationw					
Product name	Description	Color	Typical dimensions	Operating ambient temp. range	Product code
			mm		GPC
Industry sensors					
EasyAir SNH210 MC	Industry sensor for luminaire integration	White	144 x 115 x 43	30-65	929002832206 <span>New!</span>
EasyAir SNHB210 MC	Industry sensor for luminaire integration	White	115 x 115 x 43	30-65	929002832306 <span>New!</span>
Office sensors (firmware upgrade)					
EasyAir SNS210/b MC	Office sensor for luminaire integration	Black	50 x 19 x 32	0-55	929003412506 <span>New!</span>
EasyAir SNS210/g MC	Office sensor for luminaire integration	Grey	50 x 19 x 32	0-55	929003412406 <span>New!</span>
EasyAir SNS210/w MC	Office sensor for luminaire integration	White	50 x 19 x 32	0-55	929003412306 <span>New!</span>
Office sensors (second generation)					
EasyAir SNS212/b MC	Office sensor for luminaire integration	Black	50 x 19 x 32	0-55	929003416806 <span>Soon!</span>
EasyAir SNS212/g MC	Office sensor for luminaire integration	Grey	50 x 19 x 32	0-55	929003416706 <span>Soon!</span>
EasyAir SNS212/w MC	Office sensor for luminaire integration	White	50 x 19 x 32	0-55	929003416606 <span>Soon!</span>
Radio node					
EasyAir SNS410/w MC	Radio node for luminaire integration	White	50 x 19 x 32	30-65	929002137006
Room-based sensors					
EasyAir Occupancy Daylight ZGP sensor MC	Office sensor for remote placement	White	87 x 87 x 30	5-45	929002146106
EasyAir Occupancy ZGP sensor MC	Office sensor for remote placement	White	87 x 87 x 30	5-45	929002146006

## Accessories

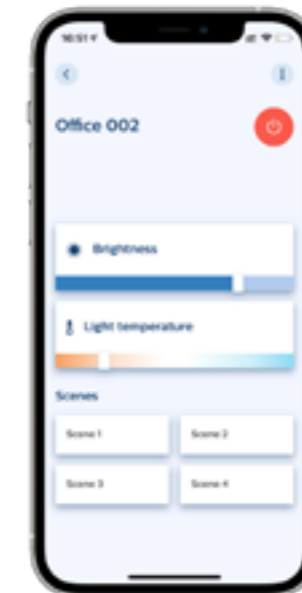
Product specification		
Product name	Description	Product code
		GPC
Mounting frames		
CMP/w	Ceiling mounting plate for remote mounting of SNS products	929003417206
SMB-50/b	Surface mounting bracket for luminaire integration of SNS products	929002137306
SMB-50/g	Surface mounting bracket for luminaire integration of SNS products	929002812806
SMB-50/w	Surface mounting bracket for luminaire integration of SNS products	929002813706
SR cap dark grey	Future-proof luminaire without nodes	929001650906
SR cap light grey	Future-proof luminaire without nodes	929001651006
SR-Connector	Compact 4 pole receptacle according to Zhaga Book 18 specifications	929001650806
Wireless switches		
EasyAir 2B switch	Wireless switch for switching and dimming	929002821806
EasyAir 4B switch	Wireless switch for switching, dimming, and scene control	929002821906

## Apps

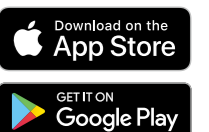
The Philips MasterConnect app enables quick and easy configuration and commissioning of all MasterConnect products. The Philips MC Control app enables simple individual control of MasterConnect luminaires, including light level and color temperature, using a smartphone. Both apps are available for iOS and Android via the Apple App Store and the Google Play Store.



Philips MasterConnect App



Philips MC Control app



WIZ PRO





## CONNECTED LIGHTING FOR WELCOMING SPACES

Turning any application into a warm and inviting environment for guests, clients and home owners has become one of the key features that businesses look for in a connected lighting package. Now all this and more is available in one affordable turnkey solution enabling ambience creation - WiZ Pro.

Transform your own lighting into connected fixtures with WiZ Pro drivers, bridge boxes and customizable modules or choose between a wide range of lamps and accessories to market under your own brand. Opt for reliable everyday connectivity that caters to the needs of all stakeholders with the WiZ platform.



Easy local and remote control of your lights



Various light scenes to fit your application



Automate lights for better energy efficiency

## BUILT FOR SMALL AND MEDIUM PROJECTS



### EASY COMMISSIONING

Complicated wiring is now a thing of the past. Save time with the WiZ Pro Setup app for direct effortless and wireless commissioning, even when on-site Wi-Fi is not installed yet.



### LOCAL WIRELESS CONTROL

Once you have the lights up and running, anyone can enjoy simple control via local accessories such as WiZ Pro smart switches, remotes and sensors.



### APP CONTROL

Once the lighting installation is connected to Wi-Fi, end users can control the lights from anywhere with the WiZ app. Customize your lighting to fit your application or choose between a variety of pre-designed light modes for a rich experience.



### ADVANCED FACILITIES MANAGEMENT

WiZ Pro Dashboard goes even further by allowing (multiple) lighting installation(s) control and remote site management. Get actionable light insights and monitoring with a clear overview of the entire installation, once it's connected to Wi-Fi.

## A SOFTWARE SOLUTION FOR EACH STAKEHOLDER

Enjoy hassle-free wireless installation and local control with the WiZ app, as well as full control with cloud connectivity with WiZ Pro Setup app and WiZ Pro Dashboard. Enable a solution for each stakeholder with the WiZ Pro software suite that comes embedded within your WiZ Pro hardware.

### WiZ PRO SETUP APP

WiZ Pro is plug-and-play, so basic set up is easy with the WiZ Pro Setup app through wireless direct commissioning, no gateway or Wi-Fi needed. Follow the step-by-step instructions on screen: add your products, decide which room you want them to be in and perform tests to make sure they work before you hand it over. Wireless accessories ensure easy, local control for everyday connectivity.



### WiZ APP

Be a lighting designer, mix and match light modes or enjoy pre-defined Scenes to create the perfect ambience - to enhance the shopping experience or to entertain clients and friends when they come and visit. Discover the special human-centric lighting feature - Circadian Rhythm - which offers a smooth transition from cool white early in the cycle to warm white later on.



### WiZ PRO DASHBOARD

Get the full picture and visualize where your lights are located within a space once you upload the area's floor plan. Set and supervise remotely the status of your lights and devices in any and all the locations you're managing. Each light's usage will be reported, including their remaining lifespan for predictive maintenance.



## BRING YOUR PRODUCTS ONTO THE WiZ PLATFORM

Choose from a wide range of WiZ Pro drivers, lamps and luminaires. If you want your own WiZ Pro products, our team will work with you to create a tailor-made solution. More WiZ Pro hardware products will be coming soon.



### DRIVERS

Product type	Product code	Housing	Dimming range	Output power range	Output current	Output voltage range	Life time
	12NC	mm	%	W	A	V	h
Xitanium 8W 0.15/0.2A 42V WiZ DM 230V	929003483606	115x45x29	10-100	4.5-8.4	0.15/0.2	30-42dc	50000
Xitanium 8W 0.15/0.2A 42V WiZ TW 230V	929003483706	115x45x29	10-100	4.5-8.4	0.15/0.2	30-42dc	50000
Xitanium 13W 0.25/0.3A 42V WiZ DM 230V	929003483806	115x45x29	10-100	7.5-12.6	0.25/0.3	30-42dc	50000
Xitanium 13W 0.25/0.3A 42V WiZ TW 230V	929003483906	115x45x29	10-100	7.5-12.6	0.25/0.3	30-42dc	50000
Xitanium 44W 0.7-1.05A 42V WiZ DM 230V	929002890006	108x68x32	10-100	21-44	0.7/0.8/0.9/1.05	30-42dc	50000
Xitanium 44W 0.7-1.05A 42V WiZ TW 230V	929002890106	108x68x32	10-100	21-44	0.7/0.8/0.9/1.05	30-42dc	50000

### BRIDGE BOXES

Product type	Product code	Housing	Dimming range	Dimming method	Input voltage	No. of output channel	Life time
	12NC	mm	%	W	A	V	h
WiZ Pro Phase-cut Bridge Box I 220-240V	929002613409	87.5x41x28	10-100	Trailing-Edge	220-240AC	1	50000
WiZ Pro 1-10V Bridge Box I 220-240V	929002613509	87.5x41x28	1-10.5V	1-10V	220-240AC	1	50000
WiZ Pro DW Bridge Box I 12-24V	929002499409	87.5x41x28	5-100	PWM	12-24DC	1	50000
WiZ Pro TW Bridge Box I 12-24V	929002499509	87.5x41x28	5-100	PWM	12-24DC	2	50000
WiZ Pro RGBTW Bridge Box I 12-24V	929002613309	87.5x41x28	5-100	PWM	12-24DC	5	50000

## LED LAMPS

Product type	Product code	Cap	Bulb shape	Lamp wattage claim	CCT	lumen	CRI	Life time
	12NC			W	K	lm		h
WiZ Pro PAR16 GU10 TW 4.9W 230V	929002448371	GU10	PAR16	4.9	2700-6500	345	90	15000
WiZ Pro PAR16 GU10 RGBTW 4.9W 230V	929002448471	GU10	PAR16	4.9	2200-6500	345	90	15000
WiZ Pro C37 E14 TW 4.9W 230V	929002448771	E14	C37	4.9	2700-6500	470	90	15000
WiZ Pro C37 E14 RGBTW 4.9W 230V	929002448871	E14	C37	4.9	2200-6500	470	90	15000
WiZ Pro A60 E27 TW 8W 230V	929002383571	E27	A60	8	2700-6500	806	90	25000
WiZ Pro A60 E27 RGBTW 8W 230V	929002383671	E27	A60	8	2200-6500	806	90	25000
WiZ Pro A60 B22 TW 8W 230V	929002383771	B22	A60	8	2700-6500	806	90	25000
WiZ Pro A60 B22 RGBTW 8W 230V	929002383871	B22	A60	8	2200-6500	806	90	25000
WiZ Pro A67 E27 TW 13W 230V	929002449671	E27	A67	13	2700-6500	1521	90	15000
WiZ Pro A67 E27 RGBTW 13W 230V	929002449771	E27	A67	13	2200-6500	1521	90	15000
WiZ Pro G95 E27 TW 11W 230V	929002451071	E27	G95	11	2700-6500	1055	90	25000
WiZ Pro G95 E27 RGBTW 11W 230V	929002383971	E27	G95	11	2200-6500	1055	90	25000

## LED STRIPS

Product type	Product code	Plug type	Cord length	Lamp wattage claim	CCT	lumen	CRI	Life time
	12NC		mm	W	K	lm		h
WiZ Pro LED Strip 2M Kit-C	929002681171	EU plug	1500	20	2200-6500 (RGB)	1600	80	15000
WiZ Pro LED Strip 2M Kit-G	929002681271	BS plug	1500	20	2200-6500 (RGB)	1600	80	15000
WiZ Pro LED Strip 1M Ext-1	929002681471	-	-	11	2200-6500 (RGB)	800	80	15000

## ACCESSORIES

Product type	Product code	Housing	Input voltage	Control terminals	Signal range	Life time
	12NC	mm	V		m	h
WiZ Pro Switch Module 220-240V	929003484281	45x45x18.3	220-240AC	9	15	50000
WiZ Pro Switch Module 9-40V	929003484381	45x45x18.3	9-40DC	9	15	50000

## WIRELESS ACCESSORIES

Product type	Product code	Housing	Color	Control distance	Radio protocol	Power source	Battery life
	12NC	mm		m		battery	year
WiZ Pro Remote Control	929002426871	13.5x3.8x1.5	Black	15	Wi-fi /2.4GHz	2x LR03 AAA	1
WiZ Pro Wireless Sensor	929002422371	6.2x6.2x5	White	15	Wi-fi /2.4GHz	2x LR03 AAA	1

## MODULES

WiZ Pro modules are designed to fit your custom product specifications. Operating on Wi-Fi + Bluetooth standard protocols, the modules enable the wireless IoT benefits brought by the WiZ Pro smart lighting platform, as well as ease of installation and scalability. Due to their small size, you have the flexibility to integrate them in a range of luminaire designs. Enabling various dynamic light scenes with Tunable White and a variation of colors, the WiZ Pro modules cater to the needs of any application. To find out how you can benefit from integrating WiZ Pro modules into your products, please contact the WiZ team via [wizconnected.com/en-us/business/pro](http://wizconnected.com/en-us/business/pro).





# Outdoor Drivers

It's tough outdoors  
But then, so are our lighting components

# Outdoor Drivers Portfolio

Family	Control and Dimming				Basic Features and Performance				
	D4i	Dali Dim	1-10V Dim	SimpleSet via MultiOne	Output Current via e-set tool	Input Voltage (Vac)	Housing/Installation	Max Output Power (W)	Driver lifetime
Xitanium Sensor Ready	Yes			Yes	No	220-240	Built-in	22-165	100,000 @Tc-life
Xitanium Full Programmable		Yes		Yes	No	220-240	Built-in	22-330	100,000 @Tc-life
Xitanium Lite Programmable			Yes	Yes	No	220-240	Built-in	22-165	100,000 @ Tc-life
Xitanium Lite Programmable			Yes	Yes	No	100-277	IP67	40-320	50,000 @ Tc-max
Xitanium Essential Programmable			Yes	No	Yes	100-277	IP67/IP66/Built-in	40-250	50,000 @ Tc-max
Xitanium Single Current			Yes	No	No	220-240	IP67/Built-in	50-250	50,000 @ Tc-max



# Outdoor Driver Naming Example

**Xi LP 150W 0.3-1.05A S1 WL I175CF**

**Output current:**

Adjustable min-max Output Current range (AOC) in A

**Output power:**

Rated output power in Watt

**LED driver family:**

None = Single Current, no controllability  
 Dim: 1-10V dimmable, non-programmable  
 SR= Sensor Ready  
 FP= Full Programmable  
 LP= Lite Programmable  
 BP= Basic Programmable  
 EP= Essential Programmable (e-set tool)  
 LV= Low Voltage Output  
 AOC= Adjustable Output Current

**Type of LED driver:**

Xi=Xitanium

**Housing:**

I###, S###, C###  
 I: Independent  
 S: Stretched  
 C: Compact  
 #: Length in mm

**Others:**

CF/C: Connector  
 L: long cable  
 S: short cable

**Rated AC input voltage:**

230V = 220-240V  
 GL: global line 100-277V  
 WL: wideline 100-277V  
 TWE: 110-277V

**Features:**

S = SimpleSet  
 N = NTC interface  
 L = LineSwitch interface  
 1 = 1-10V interface  
 D = DALI interface  
 A = AmpDim interface  
 E = DC Emergency  
 M = Energy Metering  
 P = Auxiliary Power supply  
 F = Flex Tune



## Xitanium LED Drivers – Sensor Ready Drivers (SR)

Our Philips Xtreme Sensor Ready (SR) drivers are ideal for use in outdoor applications. These robust drivers feature the D4i interface and can be used in combination with intelligent photocells, or the many smart city management systems developed by our SR certified partners. The accurate energy metering and integrated power supply simplify the design significantly. The integration also increases system reliability. Combined with new universal SR connector (Zhaga standard), these drivers offer future-proof solution for the phased investment capabilities of municipal authorities.

### Features

- Integrated 24VDC/3W auxilliary power supply with D4i interface
- Operation compatible DALI parts: 250, 251, 252, 253
- Highly accurate power metering, and diagnostics
- 100,000 hours lifetime @ Tc life with >90% survivors

### Benefits

- No need extra power supply for sensor, for cost saving and system reliability
- Supports real time energy management and enables predictive maintenance
- Reliable and robust design, offers peace of mind and lower maintenance cost

### Application

- Road and street lighting
- Area lighting
- Industrial lighting

### Product specifications

Product Name	Product code	Housing	Output Current Range	Output Voltage Range	Surge Protection (CM/DM)	Dimming range	Efficiency @ 100% load	Lifetime @ Tc life	Diagnostics via D4i Interface
	12NC		mA	V	kV	%	%	hrs	
Xi SR 22W 0.2-0.7A SNEMP 230V C133 sXt	929002178806	C133	200-700	16-48	8-6	100-10	85	100,000	Yes
Xi SR 22W 0.3-1.0A SNEMP 230V C133 sXt	929002178906	C133	300-1050	8-32	8-6	100-10	85	100,000	Yes
Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt	929002179006	C133	200-700	25-77	8-6	100-10	86	100,000	Yes
Xi SR 40W 0.3-1.0A SNEMP 230V C133 sXt	929002179106	C133	300-1050	20-54	8-6	100-10	86	100,000	Yes
Xi SR 75W 0.2-0.7A SNEMP 230V C150 sXt	929002808406	C150	200-700	50-150	10-6	100-10	92	100,000	Yes
Xi SR 75W 0.3-1.0A SNEMP 230V C150 sXt	929002808506	C150	300-1050	35-108	10-6	100-10	92	100,000	Yes
Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt	929002808606	C150	200-700	70-220	10-6	100-10	93	100,000	Yes
Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt	929002808706	C150	300-1050	50-160	10-6	100-10	93	100,000	Yes
Xi SR 75W 0.2-1.0A SNEMP 230V C150 sXt	929002859506	C150	200-1000	50-150	10-6	100-10	91	100,000	Yes
Xi SR 110W 0.2-1.0A SNEMP 230V C150 sXt	929002859606	C150	200-1000	70-220	10-6	100-10	92	100,000	Yes
Xi SR 165W 0.2-1.0A SNEMP 230V C170 sXt	929003389606	C170	200-1000	80-300	10-6	100-10	92	100,000	Yes
Xi SR 75W 0.2-0.7A SNEMP 230V S240 sXt	929002171906	S240	200-700	50-150	8-6	100-10	92	100,000	Yes
Xi SR 75W 0.3-1.0A SNEMP 230V S240 sXt	929002172006	S240	300-1050	20-100	8-6	100-10	91	100,000	Yes
Xi SR 150W 0.2-0.7A SNEMP 230V S240 sXt	929002172106	S240	200-700	90-283	8-6	100-10	90	100,000	Yes
Xi SR 150W 0.3-1.0A SNEMP 230V S240 sXt	929002172206	S240	300-1050	70-214	8-6	100-10	90	100,000	Yes
Xi SR 75W 2:0.3-1.0A SNEMPF C170 sXt	929002827206	C170	74-1050	35-108	10	100-10	91	100,000	Yes

New!

New!

New!

New!



S240



C133



C150



C170

## Xitanium LED Drivers – Full Programmable (FP)

Our Xitanium Full Programmable (FP) drivers are designed to deliver ultimate configuration possibility, the highest performance and reliability. The portfolio offers both stand-alone and remote dimming protocols to further energy saving with the latest LED technologies. The proven Xtreme technology ensures maximum robustness and protection for a very long lifetime. These drivers are the preferred choice for demanding applications such as outdoor and industry.

### Features

- Operation compatible DALI parts 251, 252 and 253
- Full control feature set such as Adjustment of Output Current, Constant Light Output, 5 step DynaDimmer, Driver Temperature Limite and DC emergency.
- 100,000 hours lifetime @ Tc life with >90% survivors


### Benefits

- Add more configuration possibilities and design freedom to customers
- Reliable and robust design, offers peace of mind and lower maintenance cost

### Application

- Road and street lighting
- Area lighting
- Tunnel lighting
- Industrial lighting

### Product specifications

Product Name	Product code	Housing	Output Current Range	Output Voltage Range	Output Power	Surge Protection (CM/DM)	Efficiency @ 100% load	Inrush current peak	Inrush current width	Tc life	"Simple Set"	Dyna Dimmer
	12NC		mA	V	W	kV	%	A	µs	°C		
Xi FP 22W 0.2-0.7A SNLDAE 230V S175 sXt	929002172306	S175	200-700	16-48	1-22	10-6	86	15	295	75	Yes	Yes
Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt	929002172406	S175	300-1050	8-32	1-22	10-6	86	15	295	75	Yes	Yes
Xi FP 40W 0.2-0.7A SNLDAE 230V S175 sXt	929002128306	S175	200-700	25-77	2-40	10-6	90	21	225	75	Yes	Yes
Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt	929002172506	S175	300-1050	20-54	2-40	10-6	90	21	225	75	Yes	Yes
Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt	929002128406	S240	200-700	50-150	3-75	10-6	92	46	250	75	Yes	Yes
Xi FP 75W 0.3-1.0A SNLDAE 230V S240 sXt	929002128506	S240	300-1050	20-100	4-75	10-6	92	46	245	75	Yes	Yes
Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt	929002128606	S240	200-700	90-283	11-150	10-6	93	53	300	75	Yes	Yes
Xi FP 150W 0.3-1.0A SNLDAE 230V S240 sXt	929002128706	S240	300-1050	70-214	11-150	10-6	93	53	300	75	Yes	Yes
Xi FP 22W 0.2-0.7A SNLDAE 230V C123 sXt	929002165006	C123	200-700	16-48	1-22	10-6	86	15	360	75	Yes	Yes
Xi FP 22W 0.3-1.0A SNLDAE 230V C123 sXt	929002165106	C123	300-1050	8-32	1-22	10-6	86	15	360	75	Yes	Yes
Xi FP 40W 0.2-0.7A SNLDAE 230V C123 sXt	929002165206	C123	200-700	25-77	4-40	10-6	90	21	300	75	Yes	Yes
Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	929002165306	C123	300-1050	20-54	4-40	10-6	90	21	300	75	Yes	Yes
Xi FP 75W 0.2-0.7A SNLDAE 230V C133 sXt	929002872806	C133	200-700	50-150	2.5-75	10-6	92	43	260	70	Yes	Yes
Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	929002872906	C133	300-1050	30-108	2.5-75	10-6	92	43	260	70	Yes	Yes
Xi FP 75W 0.5-1.5A SNLDAE 230V C133 sXt	929002873006	C133	500-1500	25-71	2.5-75	10-6	91	43	260	70	Yes	Yes
Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt	929002873106	C133	200-700	70-220	4-110	10-6	93	47	250	75	Yes	Yes
Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	929002873206	C133	300-1050	50-160	4-110	10-6	92	47	250	75	Yes	Yes
Xi FP 165W 0.2-0.7A SNLDAE 230V C170 sXt	929002874906	C170	53-700	100-300	7-165	10-6	93	77	150	80	Yes	Yes
Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	929002875006	C170	70-1050	80-235	5,6-165	10-6	93	77	150	80	Yes	Yes
Xi FP 220W 0.2-1.0A SNLDAE 230V C170 sXt	929002852206	C170	70-1050	125-350	8,8-220	10-6	93.5	11.5	1320	80	Yes	Yes
Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt	929003409706	C240	50-750	100-300	5-165	10-6	93	13	1320	80	Yes	Yes

New!



## Xitanium LED Drivers - Lite Programmable (LP)

Our Xitanium lite programmable Xtreme LED drivers are designed to deliver a carefully selected feature set and high end performance, making them a preferred choice for many outdoor applications. The portfolio offers high flexibility with a customizable operating window, enabling differentiation in LED lighting designs via system tuning and compatibility with LED efficacy upgrades. Configuration of programmable drivers has never been easier with the integrated SimpleSet feature, a fast and wireless way to change and read-out settings.

### Features

- Simpleset to enable programmable features such as Adjustment of Output Current, Constant Light Output, 5 step DynaDimmer, Driver Temperature Limit and OEM Write Protection
- 100,000 hours lifetime @ Tc life with >90% survivors

### Benefits

- Provides more application possibilities to end users and helps OEMs to reduce number of SKUs
- Robust and reliable, offering peace of mind and lower maintenance costs

### Application

- Road and street lighting
- Area lighting
- Tunnel lighting
- Industrial lighting

### Product specifications

Product Name	Product code	Housing	Output Current Range	Output Voltage Range	Output Power	Surge Protection (CM/DM)	Dimming range	Efficiency @ 100% load	Inrush current peak	Inrush current width	Tc life	Simple Set	"Dyna Dimmer (5 step) "
	12NC		mA	V	W	kV	%	%	A	µs	°C		
Xi LP 40W 0.2-0.7A S1 230V S175 sXt	929000930706	S175	50-700	23-77	1.3-40	10-6	100-10	88	16	240	70	Yes	Yes
Xi LP 40W 0.3-1.0A S1 230V S175 sXt	929000940806	S175	70-1050	20-54	1.4-40	10-6	100-10	88	16	240	70	Yes	Yes
Xi LP 75W 0.2-0.7A S1 230V S240 sXt	929000963206	S240	70-700	50-150	4-75	10-6	100-10	92	46	250	75	Yes	Yes
Xi LP 75W 0.3-1.0A S1 230V S240 sXt	929000963306	S240	100-1050	35-108	4-75	10-6	100-10	85	46	250	75	Yes	Yes
Xi LP 150W 0.2-0.7A S1 230V S240 sXt	929000962806	S240	70-700	90-283	7-150	10-6	100-10	92	53	300	80	Yes	Yes
Xi LP 150W 0.3-1.0A S1 230V S240 sXt	929000962906	S240	100-1050	70-214	7-150	10-6	100-10	91	53	300	80	Yes	Yes
Xi LP 150W 0.5-1.5A S1 230V S240 sXt	929001553806	S240	150-1500	50-142	7.5-150	10-6	100-10	93	53	300	80	Yes	Yes
Xi LP 22W 0.2-0.7A S1 230V C123 sXt	929002102906	C123	200-700	16-48	0.8-22	10-6	100-10	87	11.3	220	75	Yes	Yes
Xi LP 22W 0.3-1.0A S1 230V C123 sXt	929002103006	C123	300-1050	8-32	0.6-22	10-6	100-10	87	11.3	220	75	Yes	Yes
Xi LP 40W 0.2-0.7A S1 230V C123 sXt	929002103106	C123	200-700	25-77	1.3-40	10-6	100-10	90	18.7	195	75	Yes	Yes
Xi LP 40W 0.3-1.0A S1 230V C123 sXt	929002103206	C123	300-1050	20-54	1.5-40	10-6	100-10	89	18.7	195	75	Yes	Yes
Xi LP 75W 0.2-0.7A S1 230V C133 sXt	929001654706	C133	200-700	50-150	3.5-75	10-6	100-10	91.7	43	270	70	Yes	Yes
Xi LP 75W 0.3-1.0A S1 230V C133 sXt	929001654806	C133	300-1050	35-108	3.5-75	10-6	100-10	91.6	43	270	70	Yes	Yes
Xi LP 75W 0.5-1.5A S1 230V C133 sXt	929001654906	C133	500-1500	25-75	3.8-75	10-6	100-10	91.6	43	270	70	Yes	Yes
Xi LP 110W 0.2-0.7A S1 230V C133 sXt	929001655006	C133	200-700	70-220	4.9-110	10-6	100-10	91.5	45	270	80	Yes	Yes
Xi LP 110W 0.3-1.0A S1 230V C133 sXt	929001655106	C133	300-1050	50-160	5-110	10-6	100-10	91.6	45	270	80	Yes	Yes
Xi LP 165W 0.2-0.7A S1 230V C170 sXt	929001535406	C170	70-700	100-300	7-165	10-6	100-10	92	41	440	75	Yes	Yes
Xi LP 165W 0.3-1.0A S1 230V C170 sXt	929001535506	C170	100-1050	80-235	8-165	10-6	100-10	90	41	440	75	Yes	Yes
Xi LP 165W 0.5-1.5A S1 230V C170 sXt	929001571906	C170	150-1500	54-157	9-165	10-6	100-10	92	41	440	75	Yes	Yes



S175



S240



C123



C133



C170

## Xitanium LED Drivers – Basic Programmable (BP)

Philips Xitanium basic programmable LED drivers offer a basic feature set and high performance, making them a preferred choice for various outdoor applications. The portfolio offers flexibility with a customizable operating window, enabling differentiation in LED lighting designs via system tuning and being prepared for LED efficacy upgrades.

### Features

- SimpleSet enables Adjustable Output Current (AOC) and OEM Write Protection (OWP)
- Compact form factor
- 100,000 hours lifetime @ Tc life with >90% survivors

### Benefits

- Basic configurable features covering many applications
- Enabling integration in small(er) size luminaires to save design cost
- Outdoor robustness, offering peace of mind and lower maintenance costs


### Application

- Road lighting
- Urban street lighting
- Residential Area lighting



C123

### Product specifications

Product Name	Product code	Housing	Output Current Range	Output Voltage Range	Output Power	Surge Protection (CM/DM)	Efficiency @ 100% load	Inrush current peak	Inrush current width to 50%	Simple Set
	12NC		mA	V	W	kV	%	A	µs	
Xi BP 22W 0.2-0.7A S 230V C123 sXt	929001499306	C123	200-700	16-48	6-22	10-6	85	11.5	220	Yes
Xi BP 40W 0.2-0.7A S 230V C123 sXt	929001499406	C123	200-700	25-77	5-40	10-6	90	19	210	Yes
Xi BP 40W 0.3-1.0A S 230V C123 sXt	929001499506	C123	300-1050	20-54	6-40	10-6	89	19	210	Yes
Xi BP 75W 0.2-0.7A S 230V C133 sXt	929002817006	C133	200-700	50-150	24.8-75	10-6	92.5	30	320	Yes
Xi BP 75W 0.3-1.0A S 230V C133 sXt	929002817106	C133	300-1050	35-108	24.8-75	10-6	91.8	31	320	Yes
Xi BP 110W 0.2-0.7A S 230V C133 sXt	929002817206	C133	200-700	70-220	36.3-110	10-6	92.8	32	320	Yes
Xi BP 110W 0.3-1.0A S 230V C133 sXt	929002817306	C133	300-1050	50-160	33-110	10-6	92.7	33	320	Yes



C133

## Xitanium LED Drivers – Lite Programmable IP67

Xitanium Lite Programmable (LP) LED drivers are value engineered to deliver a carefully selected programming feature set and high-end performance, making it a preferred choice for outdoor applications.

One of the key features is SimpleSet®, an easy and fast way to configure the driver without the need to power the driver. The GlobalLine family can operate on input voltage 110-277Vac anywhere around the world and ensure 100% performance across the full range. The WideLine family can operate on input voltage 100-277Vac anywhere around the world and ensure 100% performance from 200-254Vac.

### Features

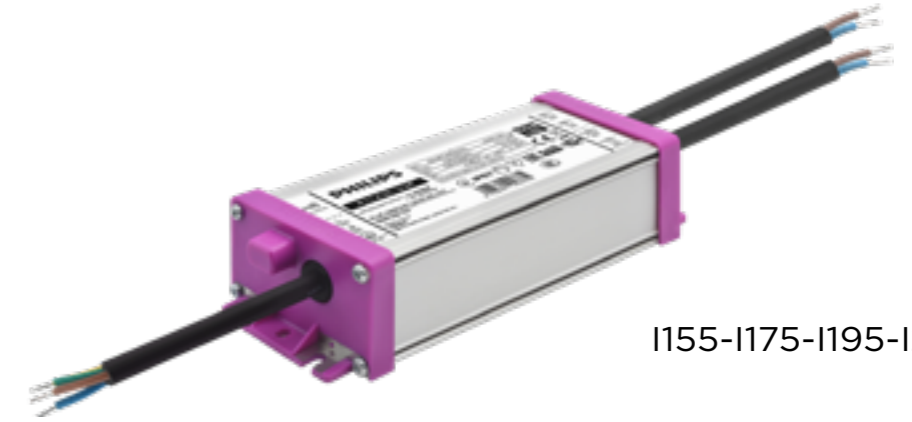
- SimpleSet to enable programmable features such as Adjustment of Output Current, Constant Light Output, 5 step DynaDimmer, Driver Temperature Limit and OEM Write Protection
- Input voltage: 100-277Vac
- IP67 with 50,000 hours lifetime @ Tc Max

### Benefits

- Easy to design-in and configure to achieve:
  - SKU reduction
  - Enables various applications such as tunnel lighting
- Consistent light output performance over time
- Low maintenance cost and peace of mind in extreme conditions

### Application

- Residential areas
- Tunnel lighting
- Road and street lighting
- Area and flood lighting
- High-bay lighting



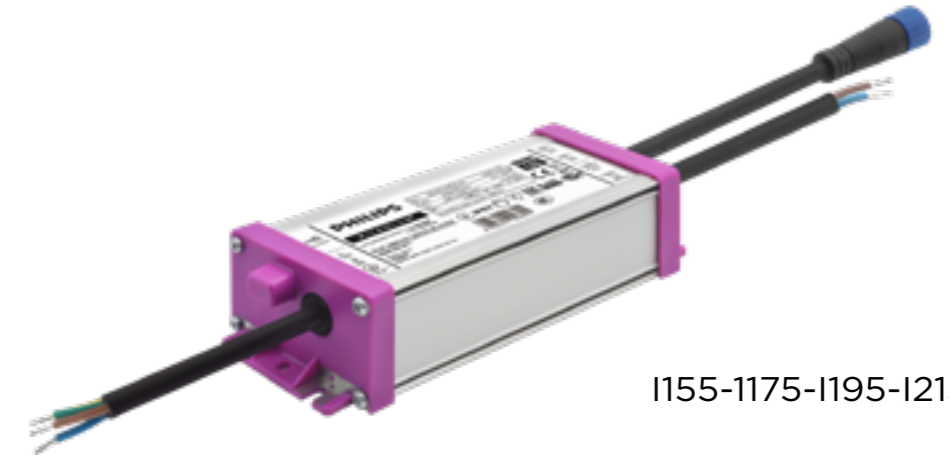
I155-I175-I195-I215



I150



I150CF




I155-I175-I195-I215 CF



I1230

# Xitanium LED Drivers – Lite Programmable IP67

## Product specifications

Product Name	Product code	Housing Type	Housing	Output Current Range	Output Voltage Range	Max Output Power	Surge Protection (CM/DM)	Dimensions	Simple Set 	"Dyna Dimmer (5 step) "
	12NC			mA	V	W	kV	mm		
Xi LP 40W 0.3-1.05A S1 TWE I175	929002103480	IP67	I175	300-1050	21-57	40	10-6	175 X 68 X 45	Yes	Yes
Xi LP 65W 0.3-1.05A S1 TWE I175	929001474080	IP67	I175	300-1050	31-93	65	10-6	175 X 68 X 45	Yes	Yes
Xi LP 100W 0.3-1.05A S1 GL I175	929002850680	IP67	I175	300-1050	46-143	100	10-6	175 X 68 X 45	Yes	Yes
Xi LP 100W 0.5-1.5A S1 GL I175	929002850880	IP67	I175	500-1500	33-95	100	10-6	175 X 68 X 45	Yes	Yes
Xi LP 150W 0.3-1.05A S1 GL I200	929002850780	IP67	I200	300-1050	70-214	150	10-6	200 X 68 X 45	Yes	Yes
Xi LP 150W 0.5-1.5A S1 GL I200	929002850980	IP67	I200	500-1500	50-143	150	10-6	200 X 68 X 45	Yes	Yes
Xi LP 220W 0.3-1.05A S1 TWE I230	929001424880	IP67	I230	300-1050	104-314	220	10-6	230 X 68 X 45	Yes	Yes
Xi LP 40W 0.3-1.05A S1 WL I150	929003414280	IP67	150	300-1050	21-57	40	10-6	150 X 68 X 45	Yes	Yes
Xi LP 65W 0.3-1.05A S1 WL I150	929003414380	IP67	150	300-1050	31-93	65	10-6	150 X 68 X 45	Yes	Yes
Xi LP 65W 0.5-1.5A S1 WL I150	929003414480	IP67	150	500-1500	21-62	65	10-6	150 X 68 X 45	Yes	Yes
Xi LP 65W 0.3-1.05A S1 WL I150CF	929003414580	IP67	150	300-1050	31-93	65	10-6	150 X 68 X 45	Yes	Yes
Xi LP 65W 0.5-1.5A S1 WL I150CF	929003414680	IP67	150	500-1500	21-62	65	10-6	150 X 68 X 45	Yes	Yes
Xi LP 100W 0.3-1.05A S1 WL I155	929002878980	IP67	I155	300-1050	46-143	100	10-6	155 X 68 X 40	Yes	Yes
Xi LP 100W 0.5-1.5A S1 WL I155	929002879280	IP67	I155	500-1500	33-95	100	10-6	155 X 68 X 40	Yes	Yes
Xi LP 100W 0.3-1.05A S1 WL I155CF	929003387080	IP67	I155	300-1050	46-143	100	10-6	155 X 68 X 40	Yes	Yes
Xi LP 100W 0.5-1.5A S1 WL I155CF	929003387380	IP67	I155	500-1500	33-95	100	10-6	155 X 68 X 40	Yes	Yes
Xi LP 150W 0.3-1.05A S1 WL I175	929002879080	IP67	I175	300-1050	71-214	150	10-6	175 X 68 X 40	Yes	Yes
Xi LP 150W 0.5-1.5A S1 WL I175	929002879380	IP67	I175	500-1500	50-143	150	10-6	175 X 68 X 40	Yes	Yes
Xi LP 150W 0.3-1.05A S1 WL I175CF	929003387180	IP67	I175	300-1050	71-214	150	10-6	175 X 68 X 40	Yes	Yes
Xi LP 150W 0.5-1.5A S1 WL I175CF	929003387480	IP67	I175	500-1500	50-143	150	10-6	175 X 68 X 40	Yes	Yes
Xi LP 200W 0.3-1.05A S1 WL I195	929002879180	IP67	I195	300-1050	142-286	200	10-6	195 X 68 X 40	Yes	Yes
Xi LP 200W 0.5-1.5A S1 WL I195	929002879480	IP67	I195	500-1500	100-200	200	10-6	195 X 68 X 40	Yes	Yes
Xi LP 200W 0.3-1.05A S1 WL I195CF	929003387280	IP67	I195	300-1050	142-286	200	10-6	195 X 68 X 40	Yes	Yes
Xi LP 200W 0.5-1.5A S1 WL I195CF	929003387580	IP67	I195	500-1500	100-200	200	10-6	195 X 68 X 40	Yes	Yes
Xi LP 250W 0.3-1.05A S1 WL I215	929003389180	IP67	I215	300-1050	165-357	250	10-6	215 X 68 X 40	Yes	Yes
Xi LP 250W 0.5-1.5A S1 WL I215	929003389280	IP67	I215	500-1500	110-238	250	10-6	215 X 68 X 40	Yes	Yes
Xi LP 250W 0.3-1.05A S1 WL I215CF	929003389380	IP67	I215	300-1050	165-357	250	10-6	215 X 68 X 40	Yes	Yes
Xi LP 250W 0.5-1.5A S1 WL I215CF	929003389480	IP67	I215	500-1500	110-238	250	10-6	215 X 68 X 40	Yes	Yes
Xi LP 320W 0.7-2.1A S1 WL AUX I230	929002882780	IP67	I230	700-2100	114-228	320	10-6	230 X 90 X 40	Yes	Yes

# Xitanium LED Drivers – Essential Programmable (EP)

Xitanium Essential Programmable (EP) LED drivers are designed for maximum reliability and flexibility, making it a preferred choice for outdoor applications. The key feature is to adjust the output current with the new e-set tool, a simple and fast way to configure the driver without the need to power on the driver and without the need for any software configuration. The WideLine family can operate on input voltage 100-277Vac anywhere around the world and ensure 100% performance from 200-254Vac.

## Features

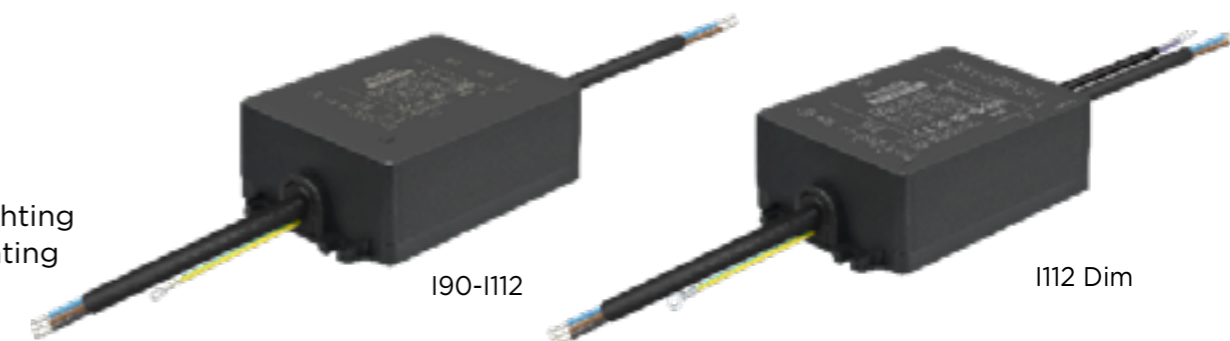
- Digital and simple Adjustable Output Current (AOC) with e-set tool, based on NFC technology
- WideLine input voltage range: 100-277Vac
- IP66/IP67 with 50,000 hours lifetime @ Tc Max
- SELV certified

## Benefits

- Reliable and repeatable adjustment of output current to save labor cost and time
- Easy to design-in and reduces SKUs
- Low maintenance cost and peace of mind in extreme conditions
- Safe to use and provides luminaire design freedom

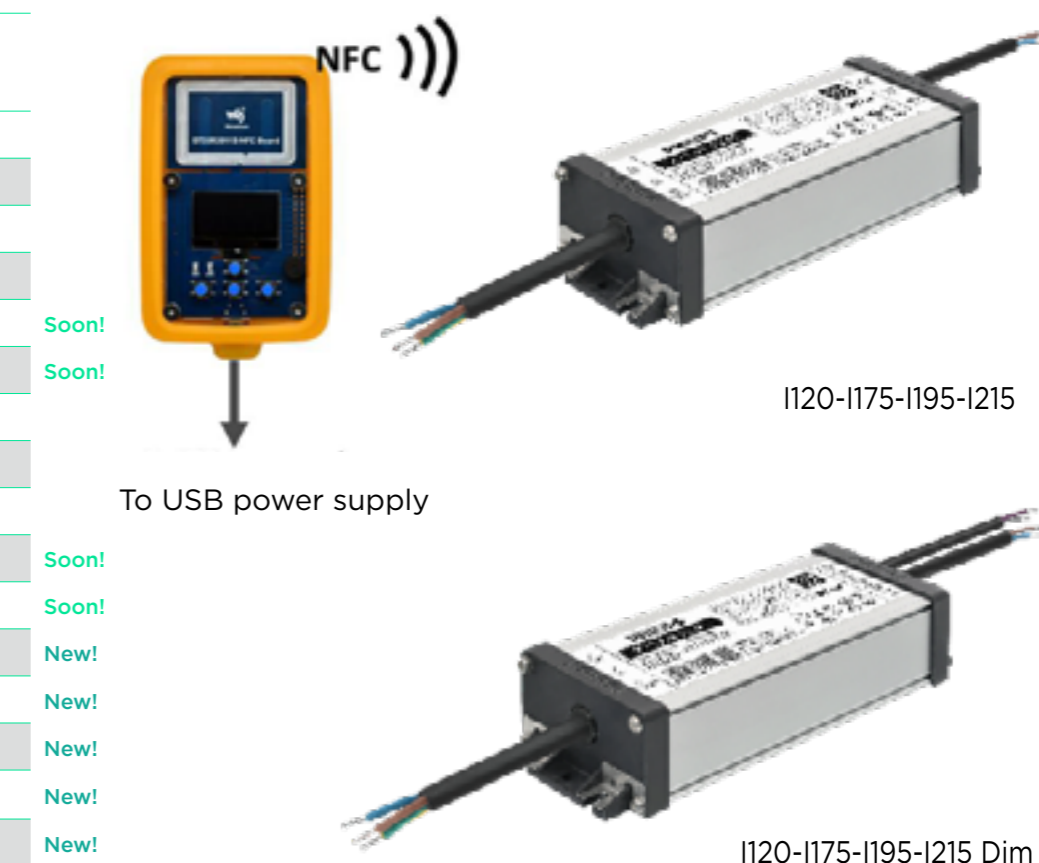
## Application

- Road and street lighting
- Area and flood lighting
- High-bay lighting



## Product specifications

Product Name	Product code	Housing Type	Housing	Max Output Power	Output Current Range	Output Voltage Range	Surge Protection (CM/DM)	Dimensions	Dimming	e-set
	12NC			W	mA	V	kV	mm		NFC
Xi EP LV 65W 0.9-2.2A WL I120	929003392680	IP67	I220	65	900-2200	28-50	6-6	120 X 67 X 35	No	Yes
Xi EP LV 100W 1.3-3.4A WL I155	929003392780	IP67	I155	100	1300-3400	28-50	6-6	155 X 67 X 40	No	Yes
Xi EP LV 150W 2.0-5.0A WL I175	929003392880	IP67	I175	150	2000-5000	28-50	6-6	175 X 67 X 40	No	Yes
Xi EP LV 200W 3.0-6.7A WL I195	929003392980	IP67	I195	200	3000-6700	28-50	6-6	195 X 67 X 40	No	Yes
Xi EP LV 250W 4.0-8.3A WL I215	929003393080	IP67	I215	250	4000-8300	28-50	6-6	215 X 67 X 40	No	Yes
Xi EP LV 65W 0.9-2.2A 1-10V WL I120	929003393480	IP67	I220	65	900-2200	28-50	6-6	120 X 67 X 35	Yes	Yes
Xi EP LV 100W 1.3-3.4A 1-10V WL I155	929003393580	IP67	I155	100	1300-3400	28-50	6-6	155 X 67 X 40	Yes	Yes
Xi EP LV 150W 2.0-5.0A 1-10V WL I175	929003393680	IP67	I175	150	2000-5000	28-50	6-6	175 X 67 X 40	Yes	Yes
Xi EP LV 200W 3.0-6.7A 1-10V WL I195	929003393780	IP67	I195	200	3000-6700	28-50	6-6	195 X 67 X 40	Yes	Yes
Xi EP LV 250W 4.0-8.3A 1-10V WL I215	929003393880	IP67	I215	250	4000-8300	28-50	6-6	215 X 67 X 40	Yes	Yes
Xi EP 40W 0.7-1.05A WL I90	929003422280	IP66	I90	40	700-1050	32-54	6-4	90 X 61 X 35	No	Yes
Xi EP 40W 1.0-1.3A WL I90	929003422380	IP66	I90	40	1000-1300	27-42	6-4	90 X 61 X 35	No	Yes
Xi EP 40W 0.7-1.05A 1-10V WL I112	929003422480	IP66	I112	40	700-1050	32-54	6-4	112 X 68 X 35	Yes	Yes
Xi EP 40W 0.7-1.05A 5-0V WL I112	929003422580	IP66	I112	40	700-1050	32-54	6-4	112 X 68 X 35	Yes	Yes
Xi EP 65W 0.7-1.05A WL I112	929003422680	IP66	I112	65	700-1050	48-86	6-4	112 X 68 X 35	No	Yes
Xi EP 65W 1.3-2.0A WL I112	929003422780	IP66	I112	65	1300-2000	27-42	6-4	112 X 68 X 35	No	Yes
Xi EP 65W 0.7-1.05A 1-10V WL I112	929003422880	IP66	I112	65	700-1050	48-86	6-4	112 X 68 X 35	Yes	Yes
Xi EP 65W 0.7-1.05A 5-0V WL I112	929003422980	IP66	I112	65	700-1050	48-86	6-4	112 X 68 X 35	Yes	Yes



## Xitanium LED Drivers – Single Current (SC)

LED-based light sources are an excellent solution for outdoor environment. They are long-lasting and require low maintenance. However, to get the best out of the LEDs, these light sources require highly reliable and efficient LED Drivers. The Philips Xitanium Fixed Output LED Outdoor Drivers are specifically designed to deliver reliable performance and protection while meeting the strict performance, approbation and application requirements.

### Features

- Single current output 0.7 and 1.05A
- 50,000 hours lifetime @ Tc Max


### Benefits

- Robust design, capable of withstanding harsh outdoor conditions
- Highly reliable solution to offer peace of mind and lower maintenance cost

### Application

- Road and street lighting
- Area and flood lighting
- High-bay lighting

### Product specifications

Product Name	Product code	Housing Type	Housing	Output Current	Output Voltage	Max Output Power	Surge Protection (CM/DM)	Dimensions	Dimming	Simple Set
	12NC			mA	V	W	kV	mm		
Xitanium 100W 0.7A 230V Y	929001401080	Built-in	Y-can	700	64-143	100	4-4	168 X 60 X 38	No	No
Xitanium 150W 0.7A 230V Y	929001400480	Built-in	Y-can	700	96-214	150	4-4	168 X 60 X 38	No	No
Xitanium 150W 1.05A 230V Y	929001400580	Built-in	Y-can	1050	62-142	150	4-4	168 X 60 X 38	No	No
Xitanium Dim 100W 0.7A 1-10V 230V Y	929001402280	Built-in	Y-can	700	64-143	100	4-4	168 X 60 X 38	1-10V	No
Xitanium Dim 150W 0.7A 1-10V 230V Y	929001401680	Built-in	Y-can	700	96-214	150	4-4	168 X 60 X 38	1-10V	No
Xitanium Dim 250W 0.7A 1-10V 230V Q	929000838508	Built-in	Q-can	700	178-357	250	6-6	241 X 90 X 42	1-10V	No
Xitanium 100W 0.7A 230V I175	929001400680	IP67	I175	700	64-143	100	4-4	175 X 68 X 45	No	No
Xitanium 150W 0.7A 230V I175	929001400080	IP67	I175	700	90-214	150	4-4	175 X 68 X 45	No	No
Xitanium 200W 0.7A 230V I230	929002803180	IP67	I230	700	142-285	200	4-4	230 X 68 X 45	No	No





## Surge Protection Device (SPD)

The Philips surge protection devices are the ideal solution to the challenge of using LEDs in outdoor lighting. The SPD protects the complete system against high surges that can occur due to, for example, lightning strikes. Essential for LED systems installed in high-risk areas, the advantages of using the SPD are not limited to just LED systems. The product can be used in any new or existing lighting solution, regardless of technology. A choice can be made between parallel SPDs (if SPD is broken, light remains on) and serial SPDs (if SPD is broken, light will switch off).

### Features

- Suitable for insulation Class I or II
- Provide high surge protection of up to 10kV or 20kV for all lighting technologies
- Optical failure indicator
- Long lifetime: 100,000 hours

### Benefits

- Easy to apply in new or existing installations
- Maximize lifetime of outdoor lighting solutions to lower maintenance cost

### Application

- Highways
- Rural roads
- Industrial zones
- Open space parking area

### Product specifications

Product Name	Product code	Type	Power grids	Discharge current (L-N)	Discharge current (L/N-GND)
			Type	kA	kA
Surge Protection Class-I	929001607006	Parallel	TN; TT	5.0	5.0
Surge Protection Class-II	929001607106	Parallel	TN; TT	5.0	5.0
Xtreme Surge Protector I	929000886906	Parallel	TN; TT; IT	5.0	5.0
SPD IP 20KV/10KV 230V Class I Serial	929002164706	Serial IP67	TN; TNC; TNS; TNCS	10	10



SPD class-I



SPD class-II



SPD IP67

# Outdoor Modules

Lighting up harsh conditions



## Fortimo FastFlex Premium light distribution Gen5

Fortimo FastFlex PR (premium) Gen5 is a true premium addition to your outdoor LED luminaire portfolio. The unique LED technology enables improved optical quality and efficiency while being xtremely reliable.

### Features

- Xtreme lifetime with >100khrs
- ESD protection (8kV contact/15kV air) & Surge protection up to 6kV
- NTC enabled at system level
- Flexible current range & Tc
- Compatible with 3rd party lenses

### Benefits

- Robustness for outdoor application
- Easy to design and use

### Product specifications

Product type	Product code	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index	"Typical dimensions"
	12NC	lm	lm/W @ Tc Nom	K	min. CRI	mm
Fortimo FastFlex LED 2x8up/730 PR G5	929001691006	1983	171	3000	70	121.4 x 49.5 x 5.33
Fortimo FastFlex LED 2x8up/740 PR G5	929001691106	2100	181	4000	70	121.4 x 49.5 x 5.33
Fortimo FastFlex LED 2x8up/757 PR G5	929001691206	2100	181	5700	70	121.4 x 49.5 x 5.33
Fortimo FastFlex LED 2x8up/827 PR G5	929001691306	1691	145	2700	80	121.4 x 49.5 x 5.33
Fortimo FastFlex LED 2x8up/830 PR G5	929001691406	1866	161	3000	80	121.4 x 49.5 x 5.33
Fortimo FastFlex LED 2x8up/840 PR G5	929001691506	1866	160	4000	80	121.4 x 49.5 x 5.33
Fortimo FastFlex LED 3x8up/730 PR G5	929001691606	2975	170	3000	70	172.2 x 49.5 x 5.33
Fortimo FastFlex LED 3x8up/740 PR G5	929001691706	3150	181	4000	70	172.2 x 49.5 x 5.33
Fortimo FastFlex LED 3x8up/757 PR G5	929001691806	3150	181	5700	70	172.2 x 49.5 x 5.33
Fortimo FastFlex LED 3x8up/827 PR G5	929001691906	2538	145	2700	80	172.2 x 49.5 x 5.33
Fortimo FastFlex LED 3x8up/830 PR G5	929001692006	2800	160	3000	80	172.2 x 49.5 x 5.33
Fortimo FastFlex LED 3x8up/840 PR G5	929001692106	2800	160	4000	80	172.2 x 49.5 x 5.33
Fortimo FastFlex LED 4x8up/730 PR G5	929001692206	3966	170	3000	70	223 x 49.5 x 5.33
Fortimo FastFlex LED 4x8up/740 PR G5	929001692306	4200	181	4000	70	223 x 49.5 x 5.33
Fortimo FastFlex LED 4x8up/757 PR G5	929001692406	4200	181	5700	70	223 x 49.5 x 5.33
Fortimo FastFlex LED 4x8up/827 PR G5	929001692506	3383	145	2700	80	223 x 49.5 x 5.33
Fortimo FastFlex LED 4x8up/830 PR G5	929001692606	3733	160	3000	80	223 x 49.5 x 5.33
Fortimo FastFlex LED 4x8up/840 PR G5	929001692706	3733	160	4000	80	223 x 49.5 x 5.33



### Module driver compatibility

The Fortimo FastFlex portfolio is compatible with multiple Xitanium LED drivers such as Xitanium programmable Xtreme, Xitanium basic programmable, Xitanium lite programmable Xtreme, Xitanium full programmable Xtreme, Xitanium sensor ready Xtreme and Xitanium independent. For more information please visit our [Easy-Design-In Tool](#).

### Complementary partners

	Ledil	Carclo	LedLink	Darkoo	CKO	BJB
FastFlex PR G5	L		L	L		L

L = lenses

## Fortimo FastFlex DA&DP HE

Fortimo FastFlex DA & DP HE is the new high efficiency family within the Outdoor LED module portfolio. By maintaining the same mechanical outlines as Fortimo FastFlex DA & DP G4/G4+/G5, an easy drop-in upgrade is enabled. This module family is compatible with third-party lenses for unlimited optical configuration. Some lenses for Fortimo FastFlex G4/G4+/G5 can also be reused for this new outdoor LED module family.

### Features

- Various combinations of size, CRI and CCT available
- High efficiencies in industry familiar form factor
- Broad Fortimo FastFlex portfolio for Outdoor lighting applications
- Philips system warranty

### Benefits

- Easy drop-in replacement to FastFlex DA & DP G4/G4+/G5
- Compatible with 3rd party lenses

### Product specifications

Product type	Product code	Light output Typical	Module efficacy typical	Color temperature	Color rendering	Dimensions (LxWxH)
	12NC	lm	lm/W @ Tc Nom	K	Ra	mm
Fortimo FastFlex LED 2x4/727 DA HE	929003401106	1770	167	2700	70	121.4x49.9x6.2
Fortimo FastFlex LED 2x4/730 DA HE	929003401206	1945	183	3000	70	121.4x49.9x6.2
Fortimo FastFlex LED 2x4/740 DA HE	929003401306	2005	189	4000	70	121.4x49.9x6.2
Fortimo FastFlex LED 2x6/727 DA HE	929003401406	2655	167	2700	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/730 DA HE	929003401506	2920	183	3000	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/740 DA HE	929003401606	3000	188	4000	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x8/727 DA HE	929003401706	3545	167	2700	70	221x49.5x6.1
Fortimo FastFlex LED 2x8/730 DA HE	929003401806	3890	183	3000	70	221x49.5x6.1
Fortimo FastFlex LED 2x8/740 DA HE	929003401906	4010	189	4000	70	221x49.5x6.1
Fortimo FastFlex LED 2x6/730 DP HE	929003402006	2890	181	3000	70	146x45x6.1
Fortimo FastFlex LED 2x6/740 DP HE	929003402106	2970	186	4000	70	146x45x6.1



### Module driver compatibility

The Fortimo FastFlex portfolio is compatible with multiple Xitanium LED drivers such as Xitanium programmable Xtreme, Xitanium basic programmable, Xitanium lite programmable Xtreme, Xitanium full programmable Xtreme, Xitanium sensor ready Xtreme and Xitanium independent. For more information please visit our [Easy-Design-In Tool](#).

### Complementary partners

	Ledil	Carclo	LedLink	Darkoo	CKO	BJB
FastFlex DA HE	L		L	L		L
FastFlex DP HE	L		L	L		

L = lenses

## Fortimo FastFlex DA&DP Gen5

Fortimo FastFlex DA & DP Gen5 is the successor generation of Fortimo FastFlex Gen4+.

### Product specifications

Product type	Product code	Light output Typical	Module efficacy typical	Color temperature	Color rendering	Dimensions (LxWxH)
	12NC	lm	lm/W @ TcNom	K	Ra	mm
Fortimo FastFlex LED 2x2/730 DA G5	929002865906	940	158	3000	70	70.6x49.5x6.1
Fortimo FastFlex LED 2x2/740 DA G5	929002866006	1020	172	4000	70	70.6x49.5x6.1
Fortimo FastFlex LED 2x2/840 DA G5	929002866106	895	151	4000	80	70.6x49.5x6.1
Fortimo FastFlex LED 2x4/722 DA G5	929002866206	1540	130	2200	70	121.4x49.5x6.1
Fortimo FastFlex LED 2x4/727 DA G5	929002866306	1700	143	2700	70	121.4x49.5x6.1
Fortimo FastFlex LED 2x4/730 DA G5	929002866406	1885	159	3000	70	121.4x49.5x6.1
Fortimo FastFlex LED 2x4/740 DA G5	929002866506	2035	171	4000	70	121.4x49.5x6.1
Fortimo FastFlex LED 2x4/840 DA G5	929002866606	1790	151	4000	80	121.4x49.5x6.1
Fortimo FastFlex LED 2x6/722 DA G5	929002866706	2310	130	2200	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/727 DA G5	929002866806	2560	144	2700	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/730 DA G5	929002866906	2845	160	3000	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/740 DA G5	929002867006	3065	172	4000	70	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/827 DA G5	929002867106	2405	135	2700	80	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/830 DA G5	929002867206	2535	142	3000	80	172.2x49.5x6.1
Fortimo FastFlex LED 2x6/840 DA G5	929002867306	2680	150	4000	80	172.2x49.5x6.1
Fortimo FastFlex LED 2x8/722 DA G5	929002867406	3080	130	2200	70	223x49.6x6.1
Fortimo FastFlex LED 2x8/727 DA G5	929002867506	3415	144	2700	70	223x49.6x6.1
Fortimo FastFlex LED 2x8/730 DA G5	929002867606	3795	160	3000	70	223x49.6x6.1
Fortimo FastFlex LED 2x8/740 DA G5	929002867706	4100	173	4000	70	223x49.6x6.1
Fortimo FastFlex LED 2x8/757 DA G5	929002867806	4145	175	5700	70	223x49.6x6.1
Fortimo FastFlex LED 2x8/827 DA G5	929002868006	3205	135	2700	80	223x49.6x6.1
Fortimo FastFlex LED 2x8/830 DA G5	929002868106	3375	142	3000	80	223x49.6x6.1
Fortimo FastFlex LED 2x8/840 DA G5	929002868206	3575	151	4000	80	223x49.6x6.1
Fortimo FastFlex LED 2x6/730 DP G5	929002868306	2830	159	3000	70	146x45.1x6.2
Fortimo FastFlex LED 2x6/740 DP G5	929002868406	3065	172	4000	70	146x45.1x6.2
Fortimo FastFlex LED 2x6/840 DP G5	929002868506	2680	150	4000	80	146x45.1x6.2
Fortimo FastFlex LED 2x6/757 DP G5	929002868606	3085	173	5700	70	146x45.1x6.2

### Features

- Large selection for different needs
- Compatibility with third-party lenses
- System offer with Philips xtreme drivers
- Lifetime  $\geq 100.000$  hours

### Benefits

- Design freedom
- Robustness & Reliability



# Fortimo FastFlex DA&DP Gen5

Fortimo FastFlex DA & DP Gen5 is the successor generation of Fortimo FastFlex Gen4+.

## Features

- Large selection for different needs
- Compatibility with third-party lenses
- System offer with Philips Xtreme drivers
- Lifetime  $\geq 100,000$  hours

## Benefits

- Design freedom
- Robustness & Reliability

## Product specifications

Product type	Product code	Light output Typical	Module efficacy typical	Color temperature	Color rendering	Dimensions (LxWxH)
	12NC	lm	lm/W @ Tc Nom	K	Ra	mm
Fortimo FastFlex LED 2x8/827 DA G5	929002868006	3205	135	2700	80	223x49.6x6.1
Fortimo FastFlex LED 2x8/830 DA G5	929002868106	3375	142	3000	80	223x49.6x6.1
Fortimo FastFlex LED 2x8/840 DA G5	929002868206	3575	151	4000	80	223x49.6x6.1
Fortimo FastFlex LED 2x6/730 DP G5	929002868306	2830	159	3000	70	146x45.1x6.2
Fortimo FastFlex LED 2x6/740 DP G5	929002868406	3065	172	4000	70	146x45.1x6.2
Fortimo FastFlex LED 2x6/840 DP G5	929002868506	2680	150	4000	80	146x45.1x6.2
Fortimo FastFlex LED 2x6/757 DP G5	929002868606	3085	173	5700	70	146x45.1x6.2

## Complementary partners

	Ledil	Carclo	LedLink	Darkoo	CKO	BJB
FastFlex DA HE	L	L	L	L		
FastFlex DP HE	L		L	L	L	L

L = lenses



## Module driver compatibility

The Fortimo FastFlex portfolio is compatible with multiple Xitanium LED drivers such as Xitanium programmable Xtreme, Xitanium basic programmable, Xitanium lite programmable Xtreme, Xitanium full programmable Xtreme, Xitanium sensor ready Xtreme and Xitanium independent. For more information please visit our [Easy-Design-In Tool](#).

## Fortimo FastFlex VO

Fortimo FastFlex VO (value offer) offers good basic features with maximized cost-effectiveness. A wide range of optical configurations are enabled thanks to its compatibility with third-party lenses.

### Product specifications

Product type	Product code	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions
	12NC	lm	lm/W @ Tc Nom	K	min. CRI	mm
FastFlex 4x16/ 740 Value Offer	929001785113	7800	153	4000	70	222.2x49.3x4.15
FastFlex 4x16/ 750 Value Offer	929001785213	7800	153	5000	70	222.2x49.3x4.15



## Fortimo FastFlex DHE G4

The FastFlex DHE enables the use of third-party lenses for an unlimited range of optical configurations. Also adequate for outdoor and highbay applications.

### Product specifications

Product type	Product code	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions
	12NC	lm	lm/W @ Tc Nom	K	min. CRI	mm
Fortimo FastFlex LED 4x16/840 DHE G4	929001616606	4213	178	4000	>80	223 x 49.5 x 4.25
Fortimo FastFlex LED 4x16/850 DHE G4	929001616706	4213	178	5000	>80	223 x 49.5 x 4.25
Fortimo FastFlex LED 4x16/830 DHE G4	929001616506	3900	165	3000	>80	223 x 49.5 x 4.25



#### Complementary partners

	Ledil	Carclo	LedLink	Darkoo	CKO	BJB
FastFlex DHE	L					L

L = lenses

#### Module driver compatibility

The Fortimo FastFlex portfolio is compatible with multiple Xitanium LED drivers such as Xitanium programmable Xtreme, Xitanium basic programmable, Xitanium lite programmable Xtreme, Xitanium full programmable Xtreme, Xitanium sensor ready Xtreme and Xitanium independent. For more information please visit our [Easy-Design-In Tool](#).

## Fortimo FastFlex IP

Fortimo FastFlex IP Standard is an integrated module solution with IP66 protection, excellent optical and heat management that offers high energy efficacy and high quality of light. The Fortimo FastFlex IP range consists of two product categories based on their energy efficacy: “Standard” with typical energy efficacy of 140lm/W and, “Ultra High Efficacy” (UHE) with a best-in-class energy efficacy of 170lm/W. Fortimo FastFlex IP products are designed to enable optimum LED lighting in outdoor and industry applications. A range of compatible IP67 Xitanium drivers complement these modules to further differentiate your lighting solution on efficacy, lifetime and robustness under extreme temperature conditions.

### Features

- Best-in-class energy efficacy up to 175 lm/W
- Best-in-class thermal and IP-rating over lifetime together with Built-in surge protection, 4KV
- Flexible lumen output via dimming drivers

### Benefits

- Outstanding performance
- Maximum flexibility
- Easy installation and maintenance, minimum assembly time
- Practical portfolio offer
- System proposition with 5 year warranty



## Product specifications

Product type	Product code	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions	Light distribution
	12NC	lm	lm/W @ Tc Nom	K	min. CRI	mm	
Fortimo FastFlex IP 6KLM 730 II-M	929001427880	5901	143	3000	>70	300x70x47.3	Type II/M
Fortimo FastFlex IP 6KLM 730 II-S	929001427780	5901	143	3000	>70	300x70x47.3	Type II/S
Fortimo FastFlex IP 6KLM 730 III-M	929001428080	5901	143	3000	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM 730 III-S	929001427980	5901	143	3000	>70	300x70x47.3	Type III/S
Fortimo FastFlex IP 6KLM 740 II-M	929001428280	6248	151	4000	>70	300x70x47.3	Type II/M
Fortimo FastFlex IP 6KLM 740 II-S	929001428180	6248	151	4000	>70	300x70x47.3	Type II/S
Fortimo FastFlex IP 6KLM 740 III-M	929001428480	6248	151	4000	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM 740 III-S	929001428380	6248	151	4000	>70	300x70x47.3	Type III/S
Fortimo FastFlex IP 6KLM 757 II-M	929001428680	6248	151	5700	>70	300x70x47.3	Type II/M
Fortimo FastFlex IP 6KLM 757 II-S	929001428580	6248	151	5700	>70	300x70x47.3	Type II/S
Fortimo FastFlex IP 6KLM 757 III-M	929001428880	6248	151	5700	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM 757 III-S	929001428780	6248	151	5700	>70	300x70x47.3	Type III/S
Fortimo FastFlex IP 6KLM 840 HB-60	929001428980	6098	148	4000	>80	300x70x47.3	FWHM 60 degree
Fortimo FastFlex IP 6KLM 840 HB-90	929001429080	6098	148	4000	>80	300x70x47.3	FWHM 90 degree
Fortimo FastFlex IP 6KLM 857 HB-60	929001429180	6098	148	5700	>80	300x70x47.3	FWHM 60 degree
Fortimo FastFlex IP 6KLM 857 HB-90	929001429280	6098	148	5700	>80	300x70x47.3	FWHM 90 degree
Fortimo FastFlex IP 6KLM UHE 730 II-M	929001464180	5800	170	3000	>70	300x70x47.3	Type II/M
Fortimo FastFlex IP 6KLM UHE 730 II-S	929001464080	5800	170	3000	>70	300x70x47.3	Type II/S
Fortimo FastFlex IP 6KLM UHE 730 III-M	929001464380	5800	170	3000	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM UHE 730 III-S	929001464280	5800	170	3000	>70	300x70x47.3	Type III/S
Fortimo FastFlex IP 6KLM UHE 740 II-M	929001464580	6000	176	4000	>70	300x70x47.3	Type II/M
Fortimo FastFlex IP 6KLM UHE 740 II-S	929001464480	6000	176	4000	>70	300x70x47.3	Type II/S
Fortimo FastFlex IP 6KLM UHE 740 III-M	929001464780	6000	176	4000	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM UHE 740 III-S	929001464680	6000	176	4000	>70	300x70x47.3	Type III/S
Fortimo FastFlex IP 6KLM UHE 750 III-M	929001468480	6000	176	5000	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM UHE 757 II-M	929001464980	6000	176	5700	>70	300x70x47.3	Type II/M
Fortimo FastFlex IP 6KLM UHE 757 II-S	929001464880	6000	176	5700	>70	300x70x47.3	Type II/S
Fortimo FastFlex IP 6KLM UHE 757 III-M	929001465180	6000	176	5700	>70	300x70x47.3	Type III/M
Fortimo FastFlex IP 6KLM UHE 757 III-S	929001465080	6000	176	5700	>70	300x70x47.3	Type III/S



# Industrial Drivers



## Xtanium Round Shape Highbay

Xtanium Round Shape Highbay LED Drivers are designed to deliver reliable and efficient LED drivers in industrial applications. The WideLine family can operate on input voltage 100-277Vac anywhere around the world and ensure 100% performance from 200-254Vac.

### Features

- Adjustable Output Current (AOC)
- WideLine input voltage range: 100-277Vac
- IP65 with 50,000 hours lifetime @Tc-max
- High efficiency: 94%-96%


### Benefits

- Reliable and repeatable adjustment of output current to save labor cost and time
- Easy to design-in and reduces SKUs
- Low maintenance cost and peace of mind in extreme conditions

### Application

- Highbay industry lighting
- Warehouse lighting
- Big-box retail store lighting

### Product specifications

Product Name	Product code	Housing Type	Housing	Max output power	Output Current	Output Voltage	Dimensions	Surge Protection (CM/DM)	Dimming	Aux (12V/200mA)	SimpleSet
	12NC			W	mA	V	mm	kV			
Xi 100W 0.35-0.55A WL R1132S	929003402980	IP65	Round	100	350-550	160-260	132 x 62	4-4	No	No	No
Xi 100W 0.35-0.55A WL R1132	929003402580	IP65	Round	100	350-550	160-260	132 x 62	4-4	No	No	No
Xi 150W 0.52-0.84A WL R1132S	929003403080	IP65	Round	150	520-840	160-260	132 x 62	4-4	No	No	No
Xi 150W 0.52-0.84A WL R1132	929003402680	IP65	Round	150	520-840	160-260	132 x 62	4-4	No	No	No
Xi 200W 0.66-1.1A WL R1132S	929003403180	IP65	Round	200	660-1100	160-260	132 x 62	4-4	No	No	No
Xi 200W 0.66-1.1A WL R1132	929003402780	IP65	Round	200	660-1100	160-260	132 x 62	4-4	No	No	No
Xi 240W 0.82-1.35A WL R1132S	929003403280	IP65	Round	240	820-1350	160-260	132 x 62	4-4	No	No	No
Xi 240W 0.82-1.35A WL R1132	929003402880	IP65	Round	240	820-1350	160-260	132 x 62	4-4	No	No	No



R1132

## Xitanium Dimmable Single Current High Bay

LED-based light sources are an excellent solution for highbay industrial applications. They are long-lasting and require low maintenance. However, to get the best out of the LEDs, these light sources require highly reliable and efficient LED Drivers. Philips Xitanium Dimmable (1-10V) LED Outdoor Drivers are specifically designed to deliver reliable performance and protection while meeting the strict performance, approbation and application requirements.

### Features

- Dimmable through 1-10V interface
- IP67 with 50,000 hours lifetime @Tc max 85


### Benefits

- Provide more application possibility through its dimmable interface to achieve energy saving
- Ultimate robustness and reliability to offer peace of mind and reduce maintenance cost

### Application

- Highbay industry lighting
- Warehouse lighting
- Big-box retail store lighting

### Product specifications

Product Name	Product code	Housing Type	Housing	Max output power	Output Current	Output Voltage	Dimensions	Surge Protection (CM/DM)	Dimming	SimpleSet
	12NC			W	mA	V	mm	kV		
Xitanium Dim 100W 1.05A 1-10V 230V I165	929001407980	IP67	I165	100	1050	46-95	167 X 65 X 73	6-4	1-10V	No
Xitanium Dim 150W 1.05A 1-10V 230V I165	929001407880	IP67	I165	150	1050	71-142	167 X 65 X 73	6-4	1-10V	No
Xitanium Dim 220W 1.05A 1-10V 230V I240	929001407780	IP67	I240	220	1050	100-210	244 X 65 X 73	6-4	1-10V	No



I165-I240

# Industrial Modules



## Fortimo High Bay

Fortimo High Bay and Fortimo High Bay HE are integrated LED modules with IP65 protection, optics and heat management. The Fortimo HE version offers best-in-class high energy efficacy and high quality of light while, Fortimo version offers optimized value for money - with integrated lens.

The Fortimo High Bay G2 series is designed to enable LED lighting in Industry (high-bay) applications - warehouses, factories, large-format retail stores. A range of compatible IP65 Xitanium round shape high bay drivers complement this High Bay lighting solution in order to further differentiate on efficacy and lifetime under extreme temperature conditions.

### Features

- LED module with heatsink, optics and IP65 rating
- High energy efficacy of 145 lm/W (standard) and 170 lm/W(HE), at module level
- Four lumen levels: 10K, 15K, 20K and 25K lumens with three CCTs: 4000K, 5700K and 6500K CRI >80
- Two light distributions: 60° and 90°, via integrated lens (standard) or external reflector(HE)
- High protection against mechanical impact, IK07

### Benefits

- Reliable and robust design, capable of withstanding harsh industrial operating conditions
- Best-in-class energy savings to maximize TCOO
- Easy to design-in and assemble; simple set and forget
- Wide flexibility by adjusting light output and output current
- Extremely long lifetime, fitting with high bay industrial applications



## Fortimo High Bay G2 Modules

Product type	Product code	Module efficiency typical	Beam Angle	Correlated Color Temperature	Color Consistency	SurgeRating DM/CM	IP Rate
	12NC	lm/W	degree	K	SDCM	kV	Hours
Fortimo High Bay Module 10KLM 840 60 G2	929002855180	145	60	4000	<5	4/4	IP65
Fortimo High Bay Module 15KLM 840 60 G2	929002855280	145	60	4000	<5	4/4	IP65
Fortimo High Bay Module 20KLM 840 60 G2	929002855380	145	60	4000	<5	4/4	IP65
Fortimo High Bay Module 25KLM 840 60 G2	929002855480	145	60	4000	<5	4/4	IP65
Fortimo High Bay Module 10KLM 857 60 G2	929002855580	145	60	5700	<5	4/4	IP65
Fortimo High Bay Module 15KLM 857 60 G2	929002855680	145	60	5700	<5	4/4	IP65
Fortimo High Bay Module 20KLM 857 60 G2	929002855780	145	60	5700	<5	4/4	IP65
Fortimo High Bay Module 25KLM 857 60 G2	929002855880	145	60	5700	<5	4/4	IP65
Fortimo High Bay Module 10KLM 865 60 G2	929002855980	145	60	6500	<5	4/4	IP65
Fortimo High Bay Module 15KLM 865 60 G2	929002856080	145	60	6500	<5	4/4	IP65
Fortimo High Bay Module 20KLM 865 60 G2	929002856180	145	60	6500	<5	4/4	IP65
Fortimo High Bay Module 25KLM 865 60 G2	929002856280	145	60	6500	<5	4/4	IP65
Fortimo High Bay Module 10KLM 840 90 G2	929002857780	145	90	4000	<5	4/4	IP65
Fortimo High Bay Module 15KLM 840 90 G2	929002857880	145	90	4000	<5	4/4	IP65
Fortimo High Bay Module 20KLM 840 90 G2	929002857980	145	90	4000	<5	4/4	IP65
Fortimo High Bay Module 25KLM 840 90 G2	929002858080	145	90	4000	<5	4/4	IP65
Fortimo High Bay Module 10KLM 857 90 G2	929002858180	145	90	5700	<5	4/4	IP65
Fortimo High Bay Module 15KLM 857 90 G2	929002858280	145	90	5700	<5	4/4	IP65
Fortimo High Bay Module 20KLM 857 90 G2	929002858380	145	90	5700	<5	4/4	IP65
Fortimo High Bay Module 25KLM 857 90 G2	929002858480	145	90	5700	<5	4/4	IP65
Fortimo High Bay Module 10KLM 865 90 G2	929002858580	145	90	6500	<5	4/4	IP65
Fortimo High Bay Module 15KLM 865 90 G2	929002858680	145	90	6500	<5	4/4	IP65
Fortimo High Bay Module 20KLM 865 90 G2	929002858780	145	90	6500	<5	4/4	IP65
Fortimo High Bay Module 25KLM 865 90 G2	929002858880	145	90	6500	<5	4/4	IP65

# Fortimo High Bay

## Fortimo High Bay H1 G2 Modules

Product type	Product code	Module Efficiency typical	Beam Angle	Correlated Color Temperature	Color Consistency	SurgeRating	DM/CM	IP Rate
	12NC	lm/W	degree	K	SDCM	kV		Hours
Fortimo High Bay Module HE 10KLM 840 G2	929002856380	170	60/90/115	4000	<5	4/4		IP65
Fortimo High Bay Module HE 15KLM 840 G2	929002856480	170	60/90/115	4000	<5	4/4		IP65
Fortimo High Bay Module HE 20KLM 840 G2	929002856580	170	60/90/115	4000	<5	4/4		IP65
Fortimo High Bay Module HE 25KLM 840 G2	929002856680	170	60/90/115	4000	<5	4/4		IP65
Fortimo High Bay Module HE 10KLM 857 G2	929002856780	170	60/90/115	5700	<5	4/4		IP65
Fortimo High Bay Module HE 15KLM 857 G2	929002856880	170	60/90/115	5700	<5	4/4		IP65
Fortimo High Bay Module HE 20KLM 857 G2	929002856980	170	60/90/115	5700	<5	4/4		IP65
Fortimo High Bay Module HE 25KLM 857 G2	929002857080	170	60/90/115	5700	<5	4/4		IP65
Fortimo High Bay Module HE 10KLM 865 G2	929002857180	170	60/90/115	6500	<5	4/4		IP65
Fortimo High Bay Module HE 15KLM 865 G2	929002857280	170	60/90/115	6500	<5	4/4		IP65
Fortimo High Bay Module HE 20KLM 865 G2	929002857380	170	60/90/115	6500	<5	4/4		IP65
Fortimo High Bay Module HE 25KLM 865 G2	929002857480	170	60/90/115	6500	<5	4/4		IP65

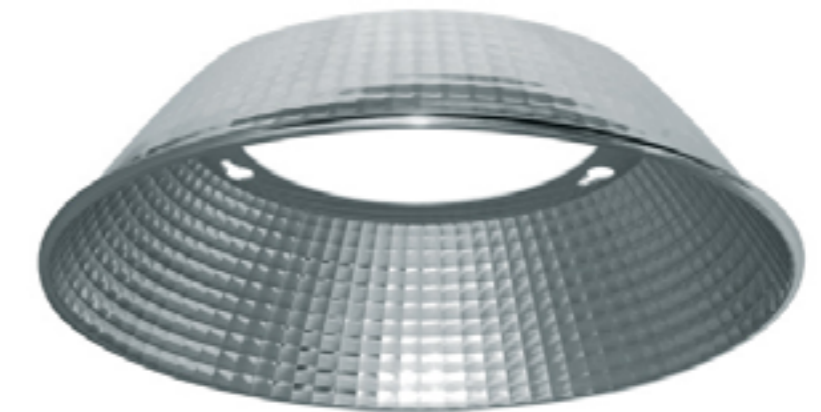


## Product specifications

Product type	Product code
	12NC
Reflector High Bay 210MM 60D	929001465980
Reflector High Bay 210MM 90D	929001466080
Reflector High Bay 270MM 60D	929001433080
Reflector High Bay 270MM 90D	929001433180

## Compatible Driver Power & Module Flux

RSHB Driver Power	HB Module G2 Flux							
	Fortimo				Fortimo HE			
	10K	15K	20K	25K	10K	15K	20K	25K
100W	OK				OK	OK		
150W		OK	OK				OK	OK
200W				OK				



Recommended Drivers for Fortimo High Bay (FHB) Modules can be found through the Philips [Easy Design-in Tool](#)

# Indoor Point Drivers

Making you part of the new age



# Indoor Point Driver Portfolio

Family	Control and Dimming			Basic Features and Performances			
	MasterConnect	Dali&SR	Trailing Edge Dimming	SimpleSet	Dip Switch	Max Output Power (W)	Driver lifetime (hours)
Xitanium MasterConnect	Yes			Yes		36-45	50,000
Xitanium Dali and SR		Yes		Yes		20-50	
Xitanium Mini Dali Slim		Yes		Yes		5-54	
Xitanium Mini Dali DS		Yes			Yes	15-40	
Xitanium Mini SC						10-48	50,000
Xitanium Mini DS					Yes	20-40	
Xitanium DS G3					Yes	15-64	
Xitanium TE			Yes			4-42	
Xitanium Track Adaptor G2					Yes	14-42	
CertaDrive Mini G2/G3						21-41	30,000
CertaDrive G3						8-44	
CertaDrive LPF G3						4-20	
CertaDrive Track Adaptor						10-41	
CertaDrive Round LPF						4-14	





# Xitanium MasterConnect

Xitanium wireless LED drivers are designed to operate LED solutions for general lighting applications. They enable simple, cost effective wireless lighting system for energy saving and comfort. Advanced design of the wireless drivers helps to build a simple, scalable and standardized connected lighting with different functionalities from simple wireless dimming to cloud based operations and integration with gateways. The Xitanium FlexTune wireless drivers make it possible to create excellent Tunable White systems without compromising on quality of light. The unique FlexTune dimming feature ensures flicker-free dimming performance down to 1% over the full CCT range.

## Features

- Wireless control and Dimmable
- FlexTune features
- Adjustable output current by SimpleSet
- Low ripple current
- 50,000 hours lifetime

## Benefits

- Enabling simple, scalable and standardized connected lighting system
- Excellent dimming and colour tuning quality
- Wide range of use cases from standalone to cloud based/gateway operations
- Flicker-free dimming down to 1% over the full CCT range
- High reliability underpinned by 5 year warranty

## Application

- Downlight
- Tack light
- Spot light



B97



I108



I124

## Product specifications

Product type	Product code	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
Xitanium 36W/m 0.15-1.05A 54V MC 230V	929003430306	Yes	B97	36	0.15-0.5	24-54	97x43x30	MC Wireless
Xi 45W 0.3-1.2A 48V MC FlexTune 230V	929002827080	Yes	I108	45	0.3-1.2	24-48	115x45x29	MC Tunable White
Xitanium 42W/a 0.15-1.05A 42V MC 3CB	929002851206	Yes	I224	42	0.15-1.05	10-48	224x31x44	MC Wireless
Xitanium 42W/a 0.15-1.05A 42V MC 3CW	929002847406	Yes	I224	42	0.15-1.05	10-48	224x31x44	MC Wireless
Xitanium 42W/a 0.15-1.05A 42V MC 3CG	929002851306	Yes	I224	42	0.15-1.05	10-48	224x31x44	MC Wireless

## Accessory specifications

Product type	Product code
	12NC
Strain Relief Blocks DALI	929001430906

## Xitanium Dali and SR

Our Xitanium programmable window LED drivers ensure OEMs have complete flexibility and control in producing high quality luminaires. Available in application dedicated form factors, our LED point drivers provide further customization via wide operating windows. Additionally, almost all drivers feature the following specifications: SELV, temperature derating, hot wiring, providing OEMs the tools to produce, and even alter later if necessary, premium downlights and spotlights.

### Features

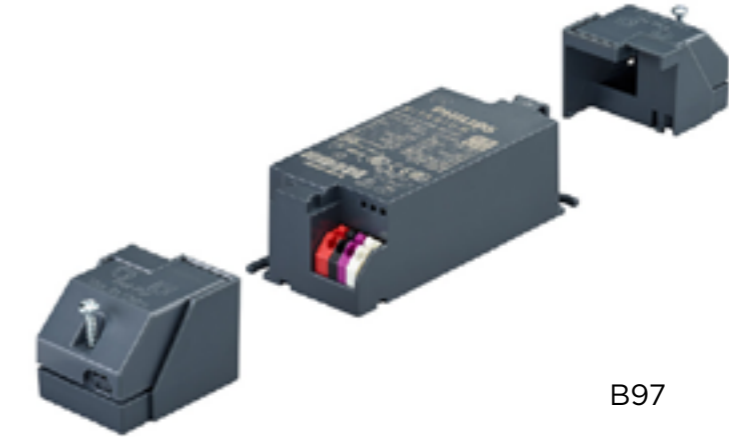
- Dali and Touch Dim Dimmable
- Adjustable output current by SimpleSet
- Low ripple
- 50,000 hours lifetime

### Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Dali 2.0 and Philips SR compatible which provide reliable line control lighting system
- Future-proof flexibility: application-oriented operating windows enable LED generation and complexity management
- High reliability underpinned by 5 year warranty

### Application

- Downlight
- Tack light
- Spot light



B97

### Product specifications

Product type	Product code	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
Xitanium 20W /m 0.15-0.5A 54V S TD 230V	929001485106	Yes	B97	20	0.15-0.5	24-54	97x43x30	Dali 2.0
Xitanium 36W /m 0.3-1.05A 54V S TD 230V	929001485206	Yes	B97	36	0.3-1.05	24-54	97x43x30	Dali 2.0
Xitanium 36W WH 0.15-1.05A 54V TD/Is	929002861906	Yes	I200	36	0.15-1.05	24-54	200x74x32	Dali 2.0
Xitanium 50W WH 0.7-1.5A 54V TD/Is	929002862006	Yes	I200	50	0.7-1.5	24-54	200x74x32	Dali 2.0
Xitanium 20W WH 0.15-0.5A 54V SR Is 230V	929002861106	Yes	I200	20	0.15-0.5	24-54	200x74x32	Dali 2.0 and SR
Xitanium 36W WH 0.3-1.05A 54V SR Is 230V	929002861206	Yes	I200	36	0.3-1.05	24-54	200x74x32	Dali 2.0 and SR
Xitanium 50W WH 0.7-1.5A 54V SR Is 230V	929002861306	Yes	I200	50	0.7-1.5	24-54	200x74x32	Dali 2.0 and SR

### Accessory specifications

Product type	Product code
	12NC
Strain Relief Blocks DALI	929001430906



I200

## Xitanium Mini Dali Slim

Philips Xitanium LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. Xitanium drivers have common features such as low ripple output current, adjustable output current by dip switch and 50,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Dali 2.0 with 1-100% dimming
- Low Ripple less than 4%
- Adjustable output currents by SimpleSet
- Super slim with 21.2mm height
- 50,000 hours lifetime

### Benefits

- Dali 2.0 enables wired digital controls
- Great EMI performance for easy design-in
- Selectable output current enables flexibility
- Super slim design for extreme small space
- Peace of mind with proven reliability

### Application

- Down lighting
- Spot lighting
- Track lighting

### Product specifications

Product type	Product code	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	
	12NC			W	A	V	mm		
Xitanium 20W/m 0.15-0.5A 54V S TD 230V	929003423306	Yes	B97	20	0.15-0.5	5-54	97x43x21	Dali 2.0	Soon!
Xitanium 36W/m 0.3-1.05A 54V S TD 230V	929003423006	Yes	B97	36	0.3-1.05	5-54	97x43x21	Dali 2.0	Soon!
Xitanium 20W/m 0.15-0.5A 54V I TD 230V	929003423406	Yes	I155	20	0.15-0.5	5-54	155x43x30	Dali 2.0	Soon!
Xitanium 36W/m 0.3-1.05A 54V I TD 230V	929003423106	Yes	I155	36	0.3-1.05	5-54	155x43x30	Dali 2.0	Soon!



B97



I155

## Xitanium Mini Dali DS

Philips Xitanium LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. Xitanium drivers have common features such as low ripple output current, adjustable output current by dip switch and 50,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Dali 2.0 with 1-100% dimming
- Class I and II application
- Low Ripple less than 4%
- 4 output currents by Dip switch
- 50,000 hours lifetime

### Benefits

- Dali 2.0 enables wired digital controls
- Provides options for different luminaire designs
- Enables minimization of luminaire
- Selectable output current enables flexibility
- Peace of mind with proven reliability

### Application

- Downlight
- Tack light
- Spot light



B97

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	
	12NC			W	A	V	mm		
Xi 15W/m 0.2-0.35A 42V DS S TD 230V	929003424980	Yes	B97	15	0.2/0.25/0.3/0.35	30-42	97x43x30	Dali 2.0	New!
Xi 25W/m 0.45-0.6A 42V DS S TD 230V	929003425080	Yes	B97	25	0.45/0.5/0.55/0.6	30-42	97x43x30	Dali 2.0	New!
Xi 36W/m 0.7-0.85A 42V DS S TD 230V	929003425180	Yes	B97	36	0.7/0.75/0.8/0.85	30-42	97x43x30	Dali 2.0	New!
Xi 40W/m 0.9-1.05A 42V DS S TD 230V	929003425280	Yes	B97	40	0.9/0.95/1.0/1.05	30-42	97x43x30	Dali 2.0	New!
Xi 15W/m 0.2-0.35A 42V DS I TD 230V	929003425380	Yes	I156	15	0.2/0.25/0.3/0.35	30-42	156x43x30	Dali 2.0	New!
Xi 25W/m 0.45-0.6A 42V DS I TD 230V	929003425480	Yes	I156	25	0.45/0.5/0.55/0.6	30-42	156x43x30	Dali 2.0	New!
Xi 36W/m 0.7-0.85A 42V DS I TD 230V	929003425580	Yes	I156	36	0.7/0.75/0.8/0.85	30-42	156x43x30	Dali 2.0	New!
Xi 40W/m 0.9-1.05A 42V DS I TD 230V	929003425680	Yes	I156	40	0.9/0.95/1.0/1.05	30-42	156x43x30	Dali 2.0	New!



I156

## Xitanium Mini SC

Xitanium Mini driver have the same form of conventional HID-Prima vision driver which is widely used in downlight and spot light. The single current mini family product most affordable small size driver within Mini family

### Features

- HID-Prima vision mini form with small size
- Low ripple current
- +/-8% output current tolerance
- 50,000 hours lifetime

### Benefits

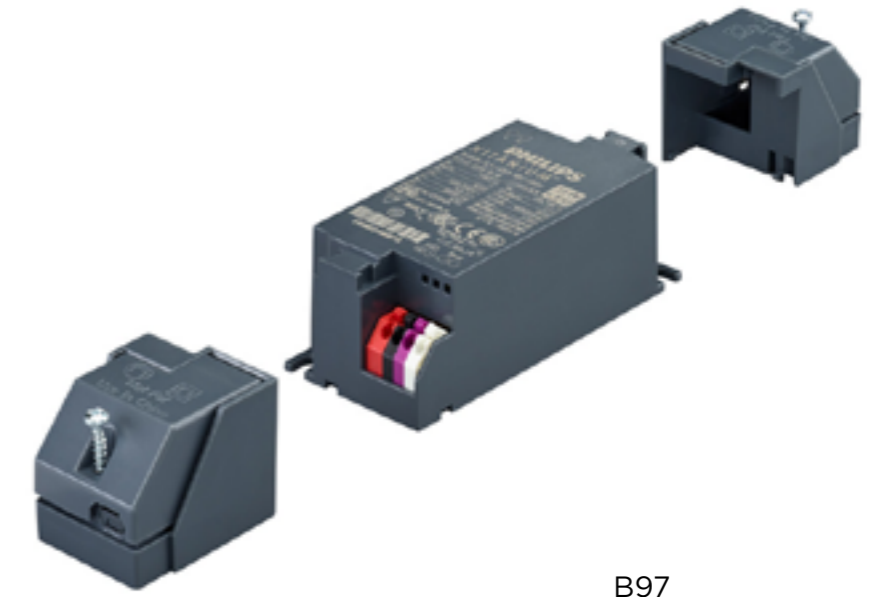
- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Very small size which is easy to be designed in luminaire
- Resolve flickering issue in certain applications

### Application

- Downlight
- Tack light
- Spot light

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
Xitanium 10W/m 0.35A 30V SC 230V	929002113106	No	B97	10	0.35	20-30	97x43x30	No
Xitanium 16W/m 0.35A 46V SC 230V	929002113206	No	B97	16	0.35	31-46	97x43x30	No
Xitanium 21W/m 0.7A 30V SC 230V	929002113306	No	B97	21	0.70	20-30	97x43x30	No
Xitanium 23W/m 0.5A 46V SC 230V	929002104906	No	B97	23	0.50	31-46	97x43x30	No
Xitanium 28W/m 0.6A 46V SC 230V	929002105006	No	B97	28	0.60	31-46	97x43x30	No
Xitanium 32W/m 0.7A 46V SC 230V	929002105106	No	B97	32	0.70	31-46	97x43x30	No
Xitanium 34W/m 0.8A 42V SC 230V	929002105206	No	B97	34	0.80	30-42	97x43x30	No
Xitanium 38W/m 0.9A 42V SC 230V	929002113406	No	B97	38	0.90	30-42	97x43x30	No
Xitanium 46W/m 1.0A 46V SC 230V	929002172606	No	B97	46	1.00	31-46	97x43x30	No
Xitanium 48W/m 1.05A 46V SC 230V	929002113506	No	B97	48	1.05	31-46	97x43x30	No



B97

### Product specifications

Product type	Product code
	12NC
Strain Relief Blocks *	929001461680

## Xitanium Mini DS

Xitanium Mini driver have the same form of conventional HID-Prima vision driver which is widely used in downlight and spot light. The Dip switch family product can provide upto 8 selection output.

### Features

- HID-Prima vision mini form with small size
- 8 Selectable output currents by dip switch
- Low ripple current
- +/-5% output current tolerance
- 50,000 hours lifetime

### Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Very small size which is easy to be designed in luminaire
- Resolve flickering issue in certain applications
- Provide both independent and built-in version for easy usage

### Application

- Down light
- Tack light
- Spot light



B97

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	
	12NC			W	A	V	mm		
Xitanium 20W/m 0.15-0.5A 44V DS S 230V	929002879606	Yes	B97	20	0.15-0.5	5-44	97x43x30	No	New!
Xitanium 30W/m 0.35-0.7A 44V DS S 230V	929002879706	Yes	B97	30	0.35-0.7	5-44	97x43x30	No	New!
Xitanium 40W/m 0.7-1.05A 44V DS S 230V	929002879806	Yes	B97	40	0.7-1.05	5-44	97x43x30	No	New!
Xitanium 20W/m 0.15-0.5A 44V DS I 230V	929002880006	Yes	I156	20	0.15-0.5	5-44	156x43x30	No	New!
Xitanium 30W/m 0.35-0.7A 44V DS I 230V	929002880106	Yes	I156	30	0.35-0.7	5-44	156x43x30	No	New!
Xitanium 40W/m 0.7-1.05A 44V DS I 230V	929002880206	Yes	I156	40	0.7-1.05	5-44	156x43x30	No	New!



I156

## Xitanium DS G3

Philips Xitanium LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. Xitanium drivers have common features such as low ripple output current, adjustable output current by dip switch and 50,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Class I and II application
- Built in and independent
- Low Ripple less than 1%
- 4 output currents by Dip switch (G3)
- 50,000 hours lifetime

### Benefits

- Provides options for different luminaire designs
- Great EMI performance for easy design-in
- Selectable output current enables flexibility
- Peace of mind with proven reliability

### Application

- Down lighting
- Spot lighting
- Track lighting



I115

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
Xitanium 15W 0.2-0.35A 42V DS I 230V	929002808806	Yes	I115	15	0.2/0.25/0.3/0.35	30-42	115x45x29	No
Xitanium 25W 0.45-0.6A 42V DS I 230V	929002808906	Yes	I115	25	0.45/0.5/0.55/0.6	30-42	115x45x29	No
Xitanium 36W 0.7-0.85A 42V DS I 230V	929002809006	Yes	I108	36	0.7/0.75/0.8/0.85	30-42	108x68x32	No
Xitanium 44W 0.9-1.05A 42V DS I 230V	929002809106	Yes	I108	44	0.9/0.95/1.0/1.05	30-42	108x68x32	No
Xitanium 50W 1.05-1.2A 42V DS I 230V	929003457580	Yes	I108	50	1.05/1.1/1.15/1.2	30-42	108x68x32	No
Xitanium 64W 1.5-1.6A 40V DS I 230V	929003457680	Yes	I108	64	1.3/1.4/1.5/1.6	30-40	108x68x32	No

Soon!

Soon!



I108

## Xtanium TE

This range provides an affordable selection of point drivers which have 50,000 hours lifetime. The driver provide trailing-edge dimmable features which is popular dimming method.

### Features

- Dual current output for 24W/32W/42W
- Low ripple current
- +/- 8% output current tolerance
- 50,000 hours lifetime

### Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/applications
- Independent version housing design for stand-alone installations
- Very small size which is easy to be designed in lumanire

### Application

- Downlight
- Tack light
- Spot light



B100

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
Xtanium 4W 0.1A 40V TE SC 230V	929001420706	No	B100	4	0.1	29-40	100x50x19	Trailing-Edge
Xtanium 6W 0.15A 40V TE SC 230V	929001420806	No	B100	6	0.15	29-40	100x50x19	Trailing-Edge
Xtanium 7W 0.35A 20V TE SC 230V	929001420906	No	B100	7	0.35	8-20	100x50x19	Trailing-Edge
Xtanium 8W 0.2A 40V TE SC 230V	929001421006	No	B100	8	0.2	29-40	100x50x19	Trailing-Edge
Xtanium 10W 0.25A 40V TE SC 230V	929001421106	No	B100	10	0.25	29-40	100x50x19	Trailing-Edge
Xtanium 10W 0.5A 20V TE SC 230V	929001421206	No	B100	10	0.5	8-20	100x50x19	Trailing-Edge
Xtanium 14W 0.35A 40V TE SC 230V	929001421306	No	B100	14	0.35	29-40	100x50x19	Trailing-Edge
Xtanium 15W 0.75A 20V TE SC 230V	929001421406	No	B100	15	0.75	8-20	100x50x19	Trailing-Edge
Xtanium 24W 0.5/0.6A 40V TE 230V	929002804906	No	I108	24	0.5/0.6	30-40	108x68x32	Trailing-Edge
Xtanium 32W 0.7/0.8A 40V TE 230V	929002805006	No	I108	32	0.7/0.8	30-40	108x68x32	Trailing-Edge
Xtanium 42W 0.9A/1.05A 40V TE 230V	929002805106	No	I108	42	0.9/1.05	30-40	108x68x32	Trailing-Edge

### Product specifications

Product type	Product code
Strain Relief Block TE	929001431106



I108



## Xitanium Track Adaptor Driver G2

Track adaptor driver 3 circuits G2 provide current selection by dipswitch with smaller housing size which give custome more flexibility.

### Features

- Selectable output current by dip switch
- White/Black/Grey colour available
- Low ripple current
- +/- 8% output current tolerance
- 50,000 hours lifetime

### Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/applications
- Track adaptor housing design for minimization of track light luminaire
- Standard nipples as accessory for easy usage

### Application

- Tack light (3 Circuits 4 Wires system)

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
Xi 14W/a 0.2-0.35A 40V DS 3CW 230V	929002849280	Yes	I162	14	0.2/0.25/0.3/0.35	30-40	162x31x44	No
Xi 26W/a 0.5-0.65A 40V DS 3CW 230V	929002849580	Yes	I162	26	0.5/0.55/0.6/0.65	30-40	162x31x44	No
Xi 34W/a 0.7-0.85A 40V DS 3CW 230V	929002849880	Yes	I162	34	0.7/0.75/0.8/0.85	30-40	162x31x44	No
Xi 42W/a 0.9-1.05A 40V DS 3CW 230V	929002850180	Yes	I162	42	0.9/0.95/1.0/1.05	30-40	162x31x44	No
Xi 14W/a 0.2-0.35A 40V DS 3CB 230V	929002849380	Yes	I162	14	0.2/0.25/0.3/0.35	30-40	162x31x44	No
Xi 26W/a 0.5-0.65A 40V DS 3CB 230V	929002849680	Yes	I162	26	0.5/0.55/0.6/0.65	30-40	162x31x44	No
Xi 34W/a 0.7-0.85A 40V DS 3CB 230V	929002849980	Yes	I162	34	0.7/0.75/0.8/0.85	30-40	162x31x44	No
Xi 42W/a 0.9-1.05A 40V DS 3CB 230V	929002850280	Yes	I162	42	0.9/0.95/1.0/1.05	30-40	162x31x44	No
Xi 14W/a 0.2-0.35A 40V DS 3CG 230V	929002849480	Yes	I162	14	0.2/0.25/0.3/0.35	30-40	162x31x44	No
Xi 26W/a 0.5-0.65A 40V DS 3CG 230V	929002849780	Yes	I162	26	0.5/0.55/0.6/0.65	30-40	162x31x44	No
Xi 34W/a 0.7-0.85A 40V DS 3CG 230V	929002850080	Yes	I162	34	0.7/0.75/0.8/0.85	30-40	162x31x44	No
Xi 42W/a 0.9-1.05A 40V DS 3CG 230V	929002850380	Yes	I162	42	0.9/0.95/1.0/1.05	30-40	162x31x44	No

### Accessory specifications

Product type	Product code
	12NC
Nipples X1 white	929001476806
Nipples X1 black	929001476906
Nipples X1 grey	929001477006



I162

## CertaDrive Mini G2/G3

Philips CertaDrive LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. CertaDrive drivers have common features such as low ripple output current, single output current and 30,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Class II application
- Built in and independent
- Low Ripple less than 4% (G3)
- Small size with Mini Shape
- 30,000 hours lifetime

### Benefits

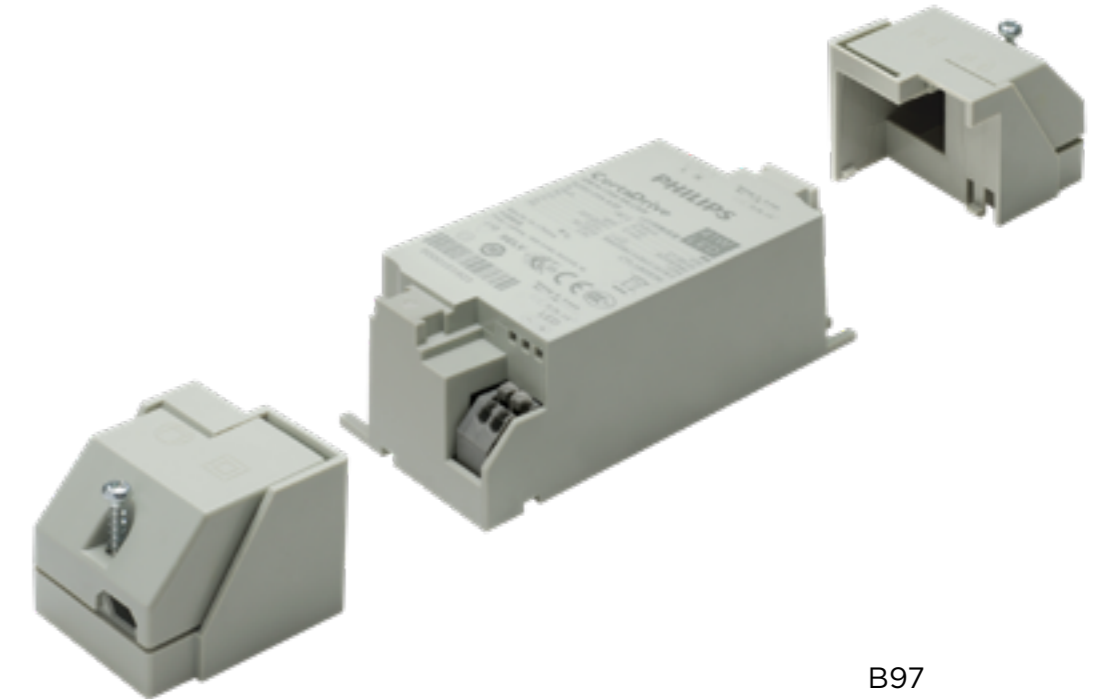
- Provides options for different luminaire designs
- Great EMI performance for easy design-in
- Enables minimization of luminaire
- Peace of mind with proven reliability

### Application

- Down lighting
- Spot lighting
- Track lighting

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
CertaDrive 21W/m 0.5A 42V 230V	929002860580	No	B97	21	0.5	30-42	97x43x30	No
CertaDrive 25W/m 0.6A 42V 230V	929002860680	No	B97	25	0.6	30-42	97x43x30	No
CertaDrive 30W/m 0.7A 42V 230V	929002860780	No	B97	30	0.7	30-42	97x43x30	No
CertaDrive 34W/m 0.8A 42V 230V	929002860880	No	B97	34	0.8	30-42	97x43x30	No
CertaDrive 40W/m 0.9A 44V 230V	929002860980	No	B97	40	0.9	30-44	97x43x30	No
CertaDrive 41W/m 1.05A 39V 230V	929002861080	No	B97	41	1.05	27-39	97x43x30	No
CertaDrive 21W/m 0.5A 42V 230V	929003433780	No	B97	21	0.5	30-42	97x43x30	No
CertaDrive 25W/m 0.6A 42V 230V	929003433880	No	B97	25	0.6	30-42	97x43x30	No
CertaDrive 30W/m 0.7A 42V 230V	929003433980	No	B97	30	0.7	30-42	97x43x30	No
CertaDrive 34W/m 0.8A 42V 230V	929003434080	No	B97	34	0.8	30-42	97x43x30	No
CertaDrive 40W/m 0.9A 44V 230V	929003434180	No	B97	40	0.9	30-44	97x43x30	No
CertaDrive 41W/m 1.05A 39V 230V	929003434280	No	B97	41	1.05	27-39	97x43x30	No



B97

### Product specifications

Product type	Product code
	12NC
Strain Relief Block CertaDrive	929001463980

## CertaDrive G3

Philips CertaDrive LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. CertaDrive drivers have common features such as low ripple output current, single output current and 30,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Class II application
- Built in and independent
- Low Ripple less than 4%
- 30,000 hours lifetime

### Benefits

- Provides options for different luminaire designs
- Great EMI performance for easy design-in
- Peace of mind with proven reliability

### Application

- Down lighting
- Spot lighting
- Track lighting

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
CertaDrive 8W 0.2A 42V I 230V	929001421780	No	I101	8	0.2	30-42	101x41x28	No
CertaDrive 11W 0.25A 42V I 230V	929001421880	No	I101	11	0.25	30-42	101x41x28	No
CertaDrive 13W 0.3A 42V I 230V	929001421980	No	I101	13	0.3	30-42	101x41x28	No
CertaDrive 15W 0.35A 42V I 230V	929001422080	No	I101	15	0.35	30-42	101x41x28	No
CertaDrive 17W 0.4A 42V I 230V	929001422180	No	I101	17	0.4	30-42	101x41x28	No
CertaDrive 19W 0.45A 42V I 230V	929001422280	No	I101	19	0.45	30-42	101x41x28	No
CertaDrive 21W 0.5A 42V I 230V	929001422380	No	I101	21	0.5	30-42	101x41x28	No
CertaDrive 25W 0.6A 42V I 230V	929002819380	No	I108	25	0.6	30-42	108x68x32	No
CertaDrive 30W 0.7A 42V I 230V	929002819480	No	I108	30	0.7	30-42	108x68x32	No
CertaDrive 34W 0.8A 42V I 230V	929002819580	No	I108	34	0.8	30-42	108x68x32	No
CertaDrive 38W 0.9A 42V I 230V	929002819680	No	I108	38	0.9	30-42	108x68x32	No
CertaDrive 44W 1.05A 42V I 230V	929002819780	No	I108	44	1.05	30-42	108x68x32	No



I115



I108

## CertaDrive LPF G3

Philips CertaDrive LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. CertaDrive drivers have common features such as low ripple output current, single output current and 30,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Class II application
- Built in and independent
- Low Power Factor
- Low Ripple less than 5%
- 30,000 hours lifetime

### Benefits

- Provides options for different luminaire designs
- Great EMI performance for easy design-in
- Optimized cost/performance ratio
- Peace of mind with proven reliability

### Application

- Down lighting
- Spot lighting
- Track lighting

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
CertaDrive 4W 0.1A 40V LPF I 230V	929002878080	No	I88	4	0.1	30-40	88x39x32	No
CertaDrive 6W 0.15A 40V LPF I 230V	929002878180	No	I88	6	0.15	30-40	88x39x32	No
CertaDrive 8W 0.2A 40V LPF I 230V	929002878280	No	I88	8	0.2	30-40	88x39x32	No
CertaDrive 10W 0.25A 40V LPF I 230V	929002878380	No	I88	10	0.25	30-40	88x39x22	No
CertaDrive 12W 0.3A 40V LPF I 230V	929002878480	No	I88	12	0.3	30-40	88x39x22	No
CertaDrive 14W 0.35A 40V LPF I 230V	929002878580	No	I101	14	0.35	30-40	101x41x28	No
CertaDrive 16W 0.4A 40V LPF I 230V	929002878680	No	I101	16	0.4	30-40	101x41x28	No
CertaDrive 18W 0.45A 40V LPF I 230V	929002878780	No	I101	18	0.45	30-40	101x41x28	No
CertaDrive 20W 0.5A 40V LPF I 230V	929002878880	No	I101	20	0.5	30-40	101x41x28	No



I88



I101

# CertaDrive Track Adaptor Driver (1 circuit)

Track adaptor driver is a great innovation to minimize the track light luminaire in a most reliable and cost effect way.

## Features

- White/Black/Grey colour avilable
- Low ripple current
- +/- 8% output current tolerance
- - 30,000 hours lifetime

## Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Various power wattage drivers that are related to the lumen packages/applications
- Track adaptor housing design for minimization of track light luminaire
- Standard nipples as accessory for easy usage

## Application

- Tack light (1 circuit 3 Wires system)

## Accessory specifications

Product type	Product code
	12NC
Nipples X1 white	929001476806
Nipples X1 black	929001476906
Nipples X1 grey	929001477006

## Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
CertaDrive 10W/a 0.2/0.25A 40V 1CW 230V	929002823780	No	I129	10	0.2/0.25	30-40	129x37x48	No
CertaDrive 20W/a 0.35/0.5A 40V 1CW 230V	929002823880	No	I129	20	0.35/0.5	30-40	129x37x48	No
CertaDrive 30W/a 0.7/0.75A 40V 1CW 230V	929002823980	No	I129	30	0.7/0.75	30-40	129x37x48	No
CertaDrive 34W/a 0.8/0.85A 40V 1CW 230V	929002824080	No	I129	34	0.8/0.85	30-40	129x37x48	No
CertaDrive 41W/a 0.9/1.05A 39V 1CW 230V	929002824180	No	I129	41	0.9/1.05	30-39	129x37x48	No
CertaDrive 10W/a 0.2/0.25A 40V 1CB 230V	929002824280	No	I129	10	0.2/0.25	30-40	129x37x48	No
CertaDrive 20W/a 0.35/0.5A 40V 1CB 230V	929002824380	No	I129	20	0.35/0.5	30-40	129x37x48	No
CertaDrive 30W/a 0.7/0.75A 40V 1CB 230V	929002824480	No	I129	30	0.7/0.75	30-40	129x37x48	No
CertaDrive 34W/a 0.8/0.85A 40V 1CB 230V	929002824580	No	I129	34	0.8/0.85	30-40	129x37x48	No
CertaDrive 41W/a 0.9/1.05A 39V 1CB 230V	929002824680	No	I129	41	0.9/1.05	30-39	129x37x48	No
CertaDrive 10W/a 0.2/0.25A 40V 1CG 230V	929002824780	No	I129	10	0.2/0.25	30-40	129x37x48	No
CertaDrive 20W/a 0.35/0.5A 40V 1CG 230V	929002824880	No	I129	20	0.35/0.5	30-40	129x37x48	No
CertaDrive 30W/a 0.7/0.75A 40V 1CG 230V	929002824980	No	I129	30	0.7/0.75	30-40	129x37x48	No
CertaDrive 34W/a 0.8/0.85A 40V 1CG 230V	929002825080	No	I129	34	0.8/0.85	30-40	129x37x48	No
CertaDrive 41W/a 0.9/1.05A 39V 1CG 230V	929002825180	No	I129	41	0.9/1.05	30-39	129x37x48	No



## CertaDrive Round LPF

Philips CertaDrive LED Point drivers are designed to operate with LED COB solutions used both in built-in and independent applications such as down light, spot light and track light. CertaDrive drivers have common features such as low ripple output current, single output current and 30,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage

### Features

- Class II application and built in only
- Low Power Factor
- Low Ripple less than 3%
- Round shape
- 30,000 hours lifetime

### Benefits

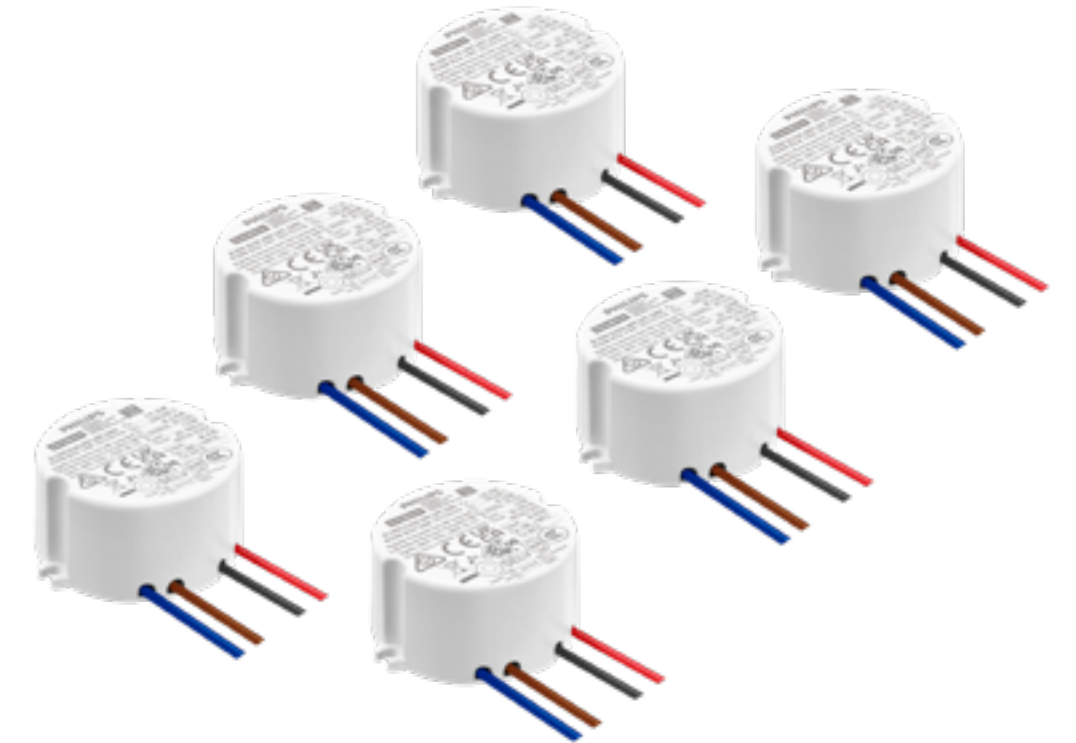
- Great EMI performance for easy design-in
- Optimized cost/performance ratio
- Suitable for Pendant light applications
- Peace of mind with proven reliability

### Application

- Down lighting
- Spot lighting
- Pendant lighting

### Product specifications

Product type	Product code	Dip Switch	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming
	12NC			W	A	V	mm	
CertaDrive R 4W 0.1A 40V LPF 230V	929003419580	No	R47	4	0.1	30-40	47x42x23	No <span style="color: green;">New!</span>
CertaDrive R 6W 0.15A 40V LPF 230V	929003419680	No	R47	6	0.15	30-40	47x42x23	No <span style="color: green;">New!</span>
CertaDrive R 8W 0.2A 40V LPF 230V	929003419780	No	R47	8	0.2	30-40	47x42x23	No <span style="color: green;">New!</span>
CertaDrive R 10W 0.25A 40V LPF 230V	929003419880	No	R47	10	0.25	30-40	47x42x23	No <span style="color: green;">New!</span>
CertaDrive R 12W 0.3A 40V LPF 230V	929003419980	No	R47	12	0.3	30-40	47x42x23	No <span style="color: green;">New!</span>
CertaDrive R 14W 0.35A 40V LPF 230V	929003420080	No	R47	14	0.35	30-40	47x42x23	No <span style="color: green;">New!</span>



# Spotlight Modules

Light that sells



## SLM New Products

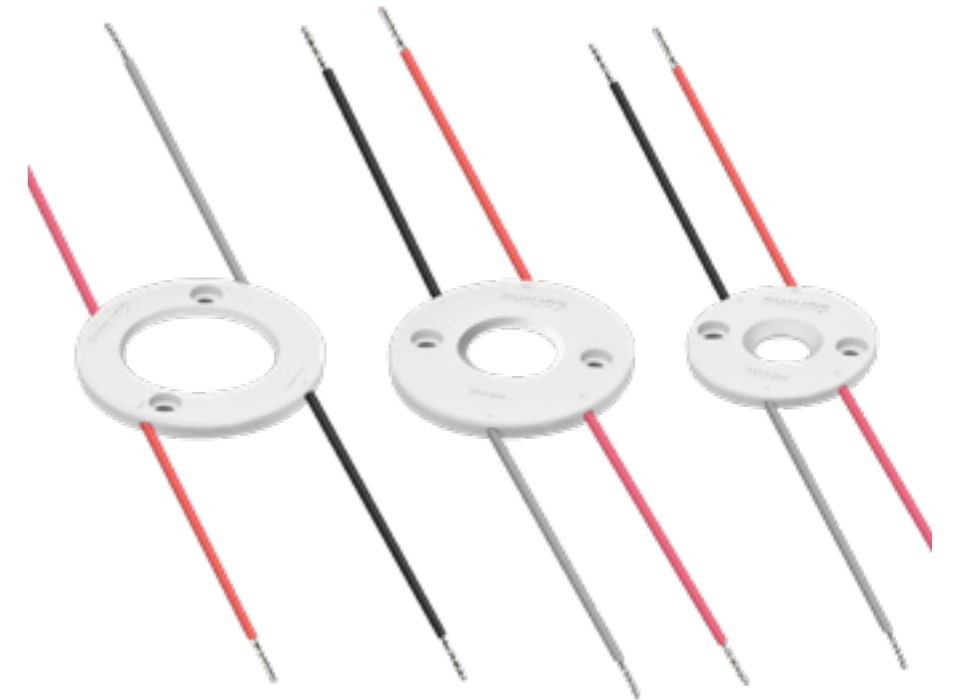
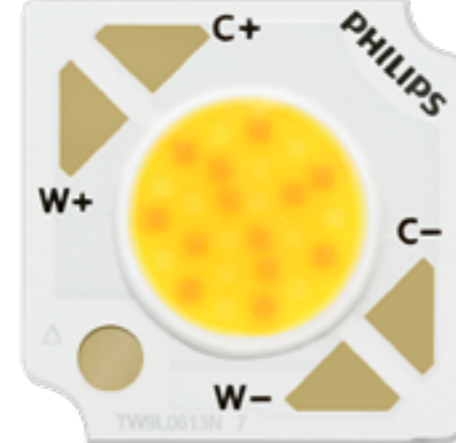
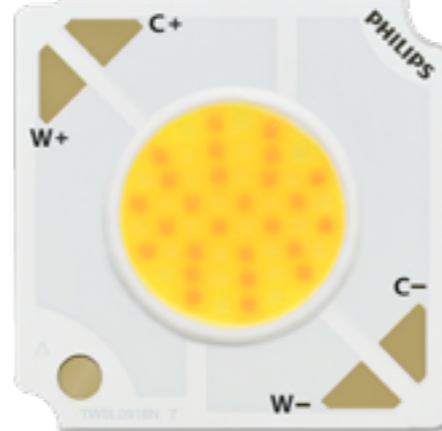
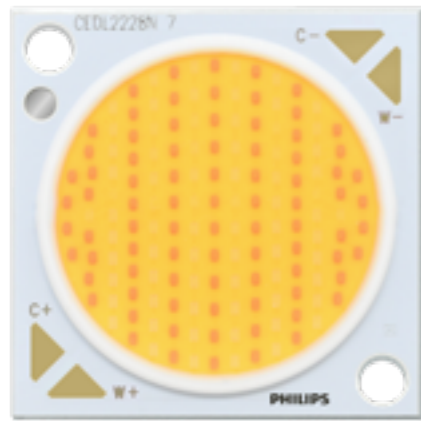
Coming soon!

### Fortimo SLM Tunable White COB

- can be tuned from CCT 2700K -6500K with always good color mixture performance and color difference management.

### Fortimo SLM CED COB

- To combine FlexTune tunable white technology with high MDER spectra in COB, as the as the complement of the launched linear CED solution.





## Fortimo SLM HE+ Gen7

With significant improvement of efficiency in CRI90 range, the new introduced Fortimo SLM HE+ Gen 7 provides the 15%+ efficacy Vs current main runners in the market without sacrifice on Quality of Light performance such as vivid white color etc, and with improvement of color consistency to 2 SDCM. Please also check the online [Easy Design-in Tool](#) for your perfect system combination.

### Features

- Right trade off between key performance
- Higher efficacy
- Better color consistency management with 2 SDCM

### Benefits

- Best quality of light for applications
- Easy for customers to design
- Most reliable solution

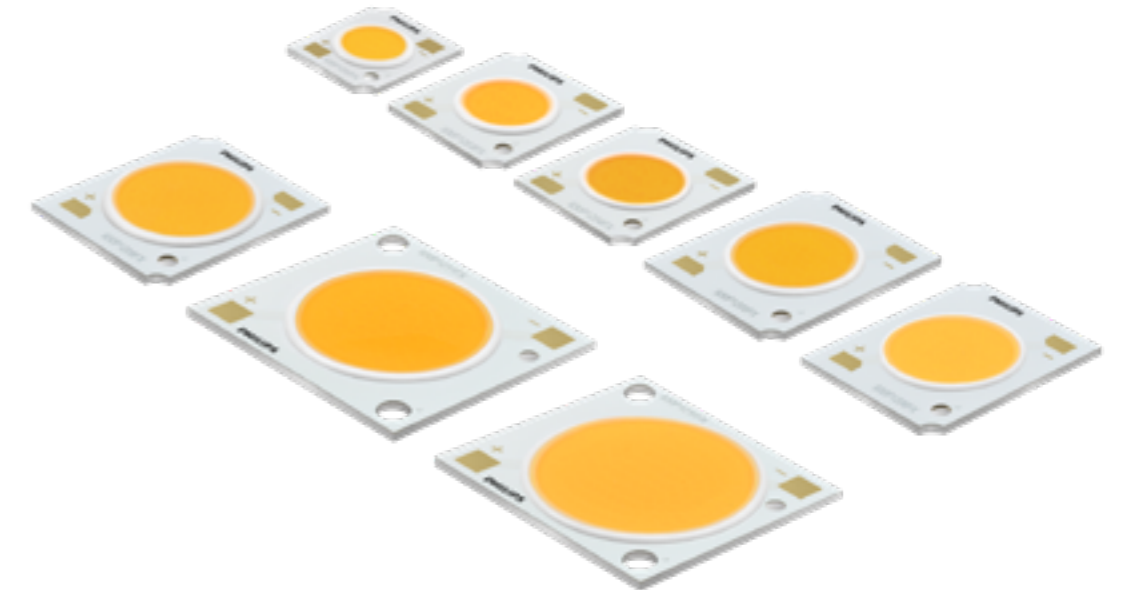
### Applications

- Retail

### Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 927 1202 L06 1215 G7 HE+	940	6.9	135	2700	90	2	85	> 66,000	929003443680	
Fortimo SLM C 930 1202 L06 1215 G7 HE+	990	6.9	143	3000	90	2	85	> 66,000	929003443780	
Fortimo SLM C 935 1202 L06 1215 G7 HE+	1050	6.9	151	3500	90	2	85	> 66,000	929003443880	
Fortimo SLM C 940 1202 L06 1215 G7 HE+	1065	6.9	153	4000	90	2	85	> 66,000	929003443980	
Fortimo SLM C 930 PW 1202 L06 1215 G7 HE+	1000	6.9	144	3000	90	2	85	> 66,000	929003444080	active
Fortimo SLM C 935 PW 1202 L06 1215 G7 HE+	1050	6.9	151	3500	90	2	85	> 66,000	929003444180	
Fortimo SLM C 940 PW 1202 L06 1215 G7 HE+	1065	6.9	153	4000	90	2	85	> 66,000	929003444280	
Fortimo SLM C 930 PC 1202 L06 1215 G7 HE+	910	6.9	131	3000	90	2	85	> 66,000	929003444380	
Fortimo SLM C 927 1203 L09 1619 G7 HE+	1410	10	135	2700	90	2	85	> 66,000	929003444480	active
Fortimo SLM C 930 1203 L09 1619 G7 HE+	1480	10	142	3000	90	2	85	> 66,000	929003444580	active
Fortimo SLM C 935 1203 L09 1619 G7 HE+	1545	10	148	3500	90	2	85	> 66,000	929003444680	active
Fortimo SLM C 940 1203 L09 1619 G7 HE+	1590	10	153	4000	90	2	85	> 66,000	929003444780	active
Fortimo SLM C 930 PW 1203 L09 1619 G7 HE+	1495	10	144	3000	90	2	85	> 66,000	929003444880	active
Fortimo SLM C 935 PW 1203 L09 1619 G7 HE+	1545	10	148	3500	90	2	85	> 66,000	929003444980	active
Fortimo SLM C 940 PW 1203 L09 1619 G7 HE+	1590	10	153	4000	90	2	85	> 66,000	929003445080	active
Fortimo SLM C 930 PC 1203 L09 1619 G7 HE+	1365	10	131	3000	90	2	85	> 66,000	929003445180	active
Fortimo SLM C 927 1204 L09 1619 G7 HE+	1870	14	135	2700	90	2	85	> 66,000	929003445280	active
Fortimo SLM C 930 1204 L09 1619 G7 HE+	1965	14	141	3000	90	2	85	> 66,000	929003445380	

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## Fortimo SLM HE+ Gen7

With significant improvement of efficiency in CRI90 range, the new introduced Fortimo SLM HE+ Gen 7 provides the 15%+ efficacy Vs current main runners in the market without sacrifice on Quality of Light performance such as vivid white color etc, and with improvement of color consistency to 2 SDCM. Please also check the online [Easy Design-in Tool](#) for your perfect system combination.

### Features

- Right trade off between key performance
- Higher efficacy
- Better color consistency management with 2 SDCM

### Benefits

- Best quality of light for applications
- Easy for customers to design
- Most reliable solution

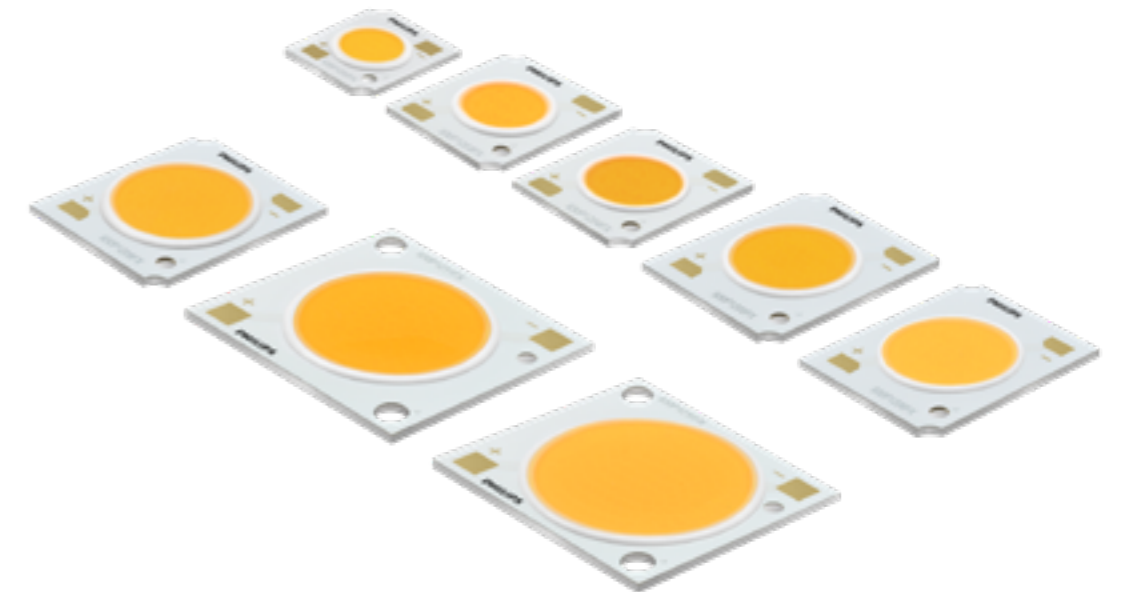
### Applications

- Retail

### Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 935 1204 L09 1619 G7 HE+	2095	14	151	3500	90	2	85	> 66,000	929003445480	
Fortimo SLM C 940 1204 L09 1619 G7 HE+	2120	14	153	4000	90	2	85	> 66,000	929003445580	
Fortimo SLM C 930 PW 1204 L09 1619 G7 HE+	1985	14	143	3000	90	2	85	> 66,000	929003445680	active
Fortimo SLM C 935 PW 1204 L09 1619 G7 HE+	2095	14	151	3500	90	2	85	> 66,000	929003445780	active
Fortimo SLM C 940 PW 1204 L09 1619 G7 HE+	2120	14	153	4000	90	2	85	> 66,000	929003445880	active
Fortimo SLM C 930 PC 1204 L09 1619 G7 HE+	1810	14	130	3000	90	2	85	> 66,000	929003445980	active
Fortimo SLM C 927 1205 L13 2024 G7 HE+	2470	17	144	2700	90	2	85	> 66,000	929003446080	active
Fortimo SLM C 930 1205 L13 2024 G7 HE+	2590	17	151	3000	90	2	85	> 66,000	929003446180	active
Fortimo SLM C 935 1205 L13 2024 G7 HE+	2700	17	157	3500	90	2	85	> 66,000	929003446280	
Fortimo SLM C 940 1205 L13 2024 G7 HE+	2774	17	161	4000	90	2	85	> 66,000	929003446380	active

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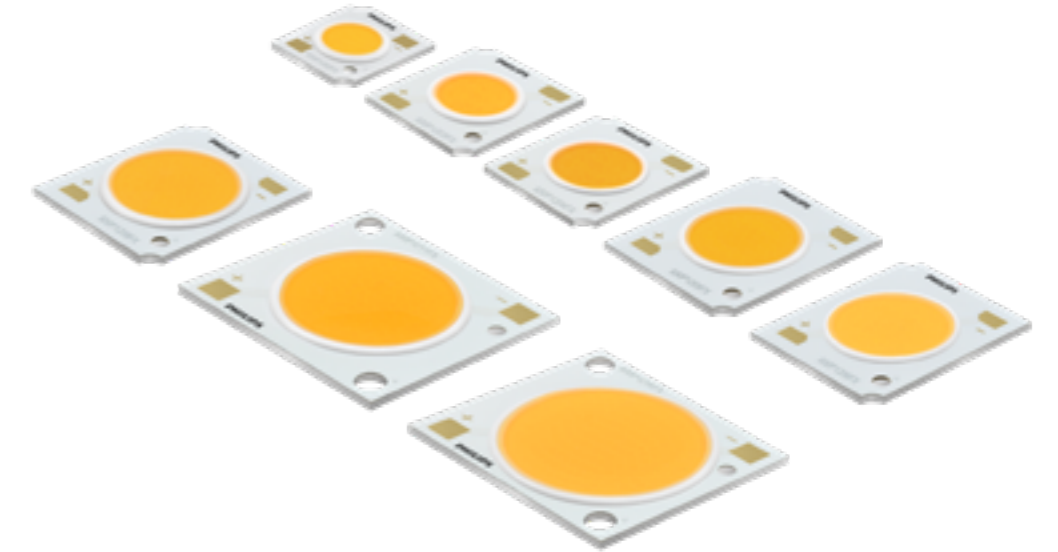


# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 927 1202 L06 1215 G7 HE+	940	6.9	135	2700	90	2	85	> 66,000	929003443680	
Fortimo SLM C 930 1202 L06 1215 G7 HE+	990	6.9	143	3000	90	2	85	> 66,000	929003443780	
Fortimo SLM C 935 1202 L06 1215 G7 HE+	1050	6.9	151	3500	90	2	85	> 66,000	929003443880	
Fortimo SLM C 940 1202 L06 1215 G7 HE+	1065	6.9	153	4000	90	2	85	> 66,000	929003443980	
Fortimo SLM C 930 PW 1202 L06 1215 G7 HE+	1000	6.9	144	3000	90	2	85	> 66,000	929003444080	active
Fortimo SLM C 935 PW 1202 L06 1215 G7 HE+	1050	6.9	151	3500	90	2	85	> 66,000	929003444180	
Fortimo SLM C 940 PW 1202 L06 1215 G7 HE+	1065	6.9	153	4000	90	2	85	> 66,000	929003444280	
Fortimo SLM C 930 PC 1202 L06 1215 G7 HE+	910	6.9	131	3000	90	2	85	> 66,000	929003444380	
Fortimo SLM C 927 1203 L09 1619 G7 HE+	1410	10	135	2700	90	2	85	> 66,000	929003444480	active
Fortimo SLM C 930 1203 L09 1619 G7 HE+	1480	10	142	3000	90	2	85	> 66,000	929003444580	active
Fortimo SLM C 935 1203 L09 1619 G7 HE+	1545	10	148	3500	90	2	85	> 66,000	929003444680	active
Fortimo SLM C 940 1203 L09 1619 G7 HE+	1590	10	153	4000	90	2	85	> 66,000	929003444780	active
Fortimo SLM C 930 PW 1203 L09 1619 G7 HE+	1495	10	144	3000	90	2	85	> 66,000	929003444880	active
Fortimo SLM C 935 PW 1203 L09 1619 G7 HE+	1545	10	148	3500	90	2	85	> 66,000	929003444980	active
Fortimo SLM C 940 PW 1203 L09 1619 G7 HE+	1590	10	153	4000	90	2	85	> 66,000	929003445080	active
Fortimo SLM C 930 PC 1203 L09 1619 G7 HE+	1365	10	131	3000	90	2	85	> 66,000	929003445180	active
Fortimo SLM C 927 1204 L09 1619 G7 HE+	1870	14	135	2700	90	2	85	> 66,000	929003445280	active
Fortimo SLM C 930 1204 L09 1619 G7 HE+	1965	14	141	3000	90	2	85	> 66,000	929003445380	
Fortimo SLM C 935 1204 L09 1619 G7 HE+	2095	14	151	3500	90	2	85	> 66,000	929003445480	
Fortimo SLM C 940 1204 L09 1619 G7 HE+	2120	14	153	4000	90	2	85	> 66,000	929003445580	
Fortimo SLM C 930 PW 1204 L09 1619 G7 HE+	1985	14	143	3000	90	2	85	> 66,000	929003445680	active
Fortimo SLM C 935 PW 1204 L09 1619 G7 HE+	2095	14	151	3500	90	2	85	> 66,000	929003445780	active
Fortimo SLM C 940 PW 1204 L09 1619 G7 HE+	2120	14	153	4000	90	2	85	> 66,000	929003445880	active
Fortimo SLM C 930 PC 1204 L09 1619 G7 HE+	1810	14	130	3000	90	2	85	> 66,000	929003445980	active
Fortimo SLM C 927 1205 L13 2024 G7 HE+	2470	17	144	2700	90	2	85	> 66,000	929003446080	active
Fortimo SLM C 930 1205 L13 2024 G7 HE+	2590	17	151	3000	90	2	85	> 66,000	929003446180	active
Fortimo SLM C 935 1205 L13 2024 G7 HE+	2700	17	157	3500	90	2	85	> 66,000	929003446280	
Fortimo SLM C 940 1205 L13 2024 G7 HE+	2774	17	161	4000	90	2	85	> 66,000	929003446380	active

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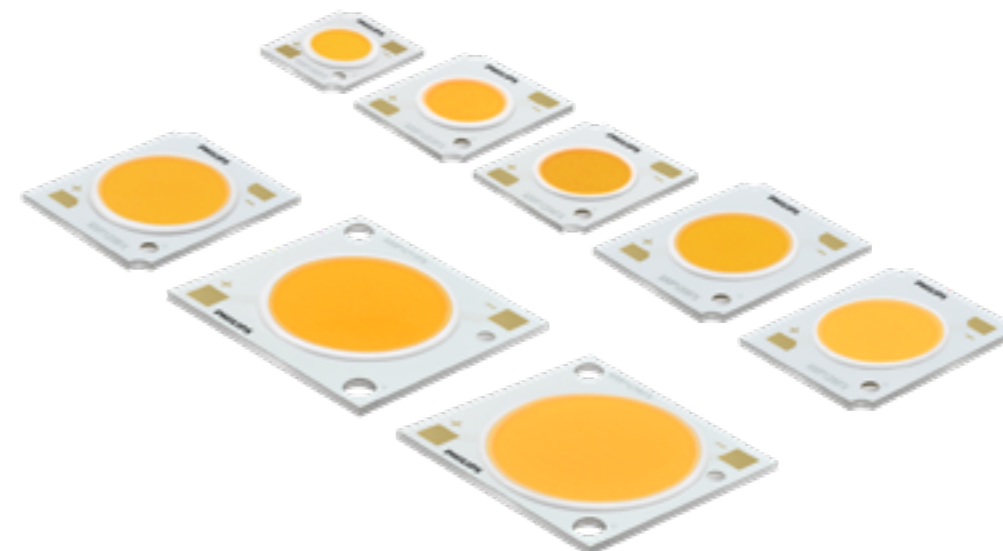


# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 930 PW 1205 L13 2024 G7 HE+	2615	17	152	3000	90	2	85	> 66,000	929003446480	active
Fortimo SLM C 935 PW 1205 L13 2024 G7 HE+	2700	17	157	3500	90	2	85	> 66,000	929003446580	active
Fortimo SLM C 940 PW 1205 L13 2024 G7 HE+	2775	17	161	4000	90	2	85	> 66,000	929003446680	active
Fortimo SLM C 930 PC 1205 L13 2024 G7 HE+	2385	17	139	3000	90	2	85	> 66,000	929003446780	active
Fortimo SLM C 927 1206 L13 2024 G7 HE+	2940	21	141	2700	90	2	85	> 66,000	929003446880	
Fortimo SLM C 930 1206 L13 2024 G7 HE+	3085	21	148	3000	90	2	85	> 66,000	929003446980	
Fortimo SLM C 935 1206 L13 2024 G7 HE+	3290	21	158	3500	90	2	85	> 66,000	929003447080	
Fortimo SLM C 940 1206 L13 2024 G7 HE+	3325	21	159	4000	90	2	85	> 66,000	929003447180	
Fortimo SLM C 930 PW 1206 L13 2024 G7 HE+	3115	21	149	3000	90	2	85	> 66,000	929003447280	active
Fortimo SLM C 935 PW 1206 L13 2024 G7 HE+	3290	21	158	3500	90	2	85	> 66,000	929003447380	
Fortimo SLM C 940 PW 1206 L13 2024 G7 HE+	3325	21	159	4000	90	2	85	> 66,000	929003447480	
Fortimo SLM C 930 PC 1206 L13 2024 G7 HE+	2840	21	136	3000	90	2	85	> 66,000	929003447580	
Fortimo SLM C 927 1208 L15 2024 G7 HE+	3720	26	145	2700	90	2	85	> 66,000	929003447680	active
Fortimo SLM C 930 1208 L15 2024 G7 HE+	3900	26	152	3000	90	2	85	> 66,000	929003447780	active
Fortimo SLM C 935 1208 L15 2024 G7 HE+	4065	26	158	3500	90	2	85	> 66,000	929003447880	active
Fortimo SLM C 940 1208 L15 2024 G7 HE+	4180	26	163	4000	90	2	85	> 66,000	929003447980	active
Fortimo SLM C 930 PW 1208 L15 2024 G7 HE+	3940	26	153	3000	90	2	85	> 66,000	929003448080	active
Fortimo SLM C 935 PW 1208 L15 2024 G7 HE+	4065	26	158	3500	90	2	85	> 66,000	929003448180	active
Fortimo SLM C 940 PW 1208 L15 2024 G7 HE+	4180	26	163	4000	90	2	85	> 66,000	929003448280	active
Fortimo SLM C 930 PC 1208 L15 2024 G7 HE+	3594	26	140	3000	90	2	85	> 66,000	929003448380	active

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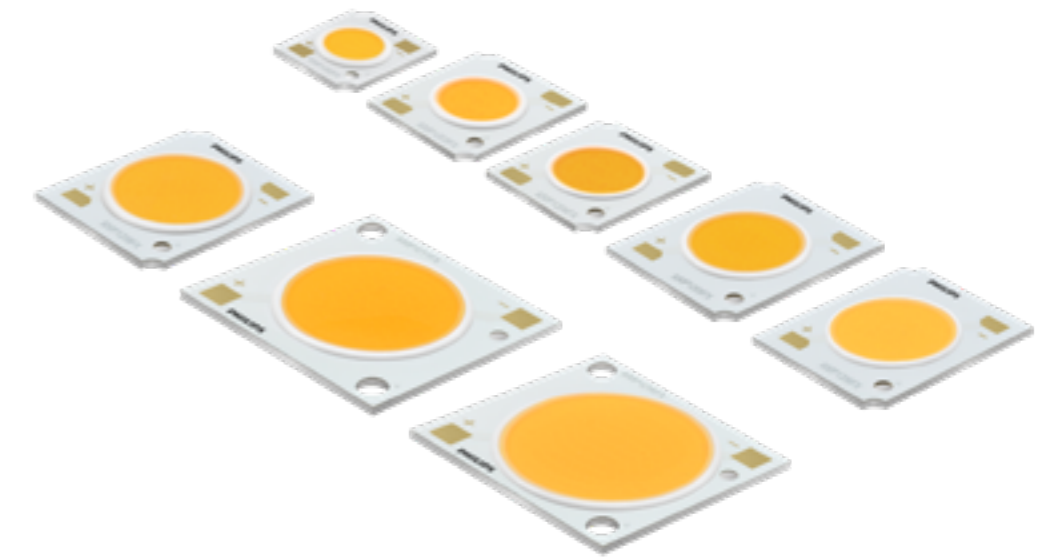


# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Moduel Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 927 1211 L19 2828 G7 HE+	5825	42	138	2700	90	2	85	> 66,000	929003448480	active
Fortimo SLM C 930 1211 L19 2828 G7 HE+	6110	42	145	3000	90	2	85	> 66,000	929003448580	active
Fortimo SLM C 935 1211 L19 2828 G7 HE+	6370	42	151	3500	90	2	85	> 66,000	929003448680	active
Fortimo SLM C 940 1211 L19 2828 G7 HE+	6545	42	155	4000	90	2	85	> 66,000	929003448780	active
Fortimo SLM C 930 PW 1211 L19 2828 G7 HE+	6180	42	146	3000	90	2	85	> 66,000	929003448880	active
Fortimo SLM C 935 PW 1211 L19 2828 G7 HE+	6375	42	151	3500	90	2	85	> 66,000	929003448980	active
Fortimo SLM C 940 PW 1211 L19 2828 G7 HE+	6549	42	155	4000	90	2	85	> 66,000	929003449080	active
Fortimo SLM C 930 PC 1211 L19 2828 G7 HE+	5626	42	133	3000	90	2	85	> 66,000	929003449180	active
Fortimo SLM C 927 1216 L23 2828 G7 HE+	7744	56	137	2700	90	2	85	> 66,000	929003449280	
Fortimo SLM C 930 1216 L23 2828 G7 HE+	8120	56	144	3000	90	2	85	> 66,000	929003449380	active
Fortimo SLM C 935 1216 L23 2828 G7 HE+	8470	56	150	3500	90	2	85	> 66,000	929003449480	
Fortimo SLM C 940 1216 L23 2828 G7 HE+	8705	56	154	4000	90	2	85	> 66,000	929003449580	
Fortimo SLM C 930 PW 1216 L23 2828 G7 HE+	8215	56	146	3000	90	2	85	> 66,000	929003449680	active
Fortimo SLM C 935 PW 1216 L23 2828 G7 HE+	8471	56	150	3500	90	2	85	> 66,000	929003449780	active
Fortimo SLM C 940 PW 1216 L23 2828 G7 HE+	8705	56	154	4000	90	2	85	> 66,000	929003449880	active
Fortimo SLM C 930 PC 1216 L23 2828 G7 HE+	7482	56	133	3000	90	2	85	> 66,000	929003449980	active
Fortimo SLM C 927 1201 L09 1313 G7N HE+	445	3.1	144	2700	90	2	85	> 66,000	929003435980	
Fortimo SLM C 930 1201 L09 1313 G7N HE+	475	3.1	154	3000	90	2	85	> 66,000	929003436080	
Fortimo SLM C 935 1201 L09 1313 G7N HE+	490	3.1	158	3500	90	2	85	> 66,000	929003436180	
Fortimo SLM C 940 1201 L09 1313 G7N HE+	505	3.1	163	4000	90	2	85	> 66,000	929003436280	
Fortimo SLM C 930 PW 1201 L09 1313 G7N HE+	480	3.1	155	3000	90	2	85	> 66,000	929003436380	

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# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 935 PW 1201 L09 1313 G7N HE+	490	3.1	158	3500	90	2	85	> 66,000	929003436480	
Fortimo SLM C 940 PW 1201 L09 1313 G7N HE+	505	3.1	163	4000	90	2	85	> 66,000	929003436580	
Fortimo SLM C 927 1202 L09 1313 G7N HE+	880	6.2	142	2700	90	2	85	> 66,000	929003436680	active
Fortimo SLM C 930 1202 L09 1313 G7N HE+	935	6.2	151	3000	90	2	85	> 66,000	929003436780	active
Fortimo SLM C 935 1202 L09 1313 G7N HE+	970	6.2	157	3500	90	2	85	> 66,000	929003436880	active
Fortimo SLM C 940 1202 L09 1313 G7N HE+	995	6.2	161	4000	90	2	85	> 66,000	929003436980	active
Fortimo SLM C 930 PW 1202 L09 1313 G7N HE+	945	6.2	153	3000	90	2	85	> 66,000	929003437080	
Fortimo SLM C 935 PW 1202 L09 1313 G7N HE+	970	6.2	157	3500	90	2	85	> 66,000	929003437180	
Fortimo SLM C 940 PW 1202 L09 1313 G7N HE+	996	6.2	161	4000	90	2	85	> 66,000	929003437280	
Fortimo SLM C 927 1203 L09 1313 G7N HE+	1305	9.3	141	2700	90	2	85	> 66,000	929003437380	active
Fortimo SLM C 930 1203 L09 1313 G7N HE+	1385	9.3	149	3000	90	2	85	> 66,000	929003437480	active
Fortimo SLM C 935 1203 L09 1313 G7N HE+	1435	9.3	155	3500	90	2	85	> 66,000	929003437580	
Fortimo SLM C 940 1203 L09 1313 G7N HE+	1470	9.3	159	4000	90	2	85	> 66,000	929003437680	active
Fortimo SLM C 930 PW 1203 L09 1313 G7N HE+	1400	9.3	151	3000	90	2	85	> 66,000	929003437780	
Fortimo SLM C 935 PW 1203 L09 1313 G7N HE+	1435	9.3	155	3500	90	2	85	> 66,000	929003437880	
Fortimo SLM C 940 PW 1203 L09 1313 G7N HE+	1470	9.3	159	4000	90	2	85	> 66,000	929003437980	
Fortimo SLM C 927 1204 L09 1313 G7N HE+	1685	12	136	2700	90	2	85	> 66,000	929003438080	
Fortimo SLM C 930 1204 L09 1313 G7N HE+	1790	12	145	3000	90	2	85	> 66,000	929003438180	
Fortimo SLM C 935 1204 L09 1313 G7N HE+	1855	12	150	3500	90	2	85	> 66,000	929003438280	
Fortimo SLM C 940 1204 L09 1313 G7N HE+	1905	12	154	4000	90	2	85	> 66,000	929003438380	
Fortimo SLM C 930 PW 1204 L09 1313 G7N HE+	1810	12	146	3000	90	2	85	> 66,000	929003438480	active

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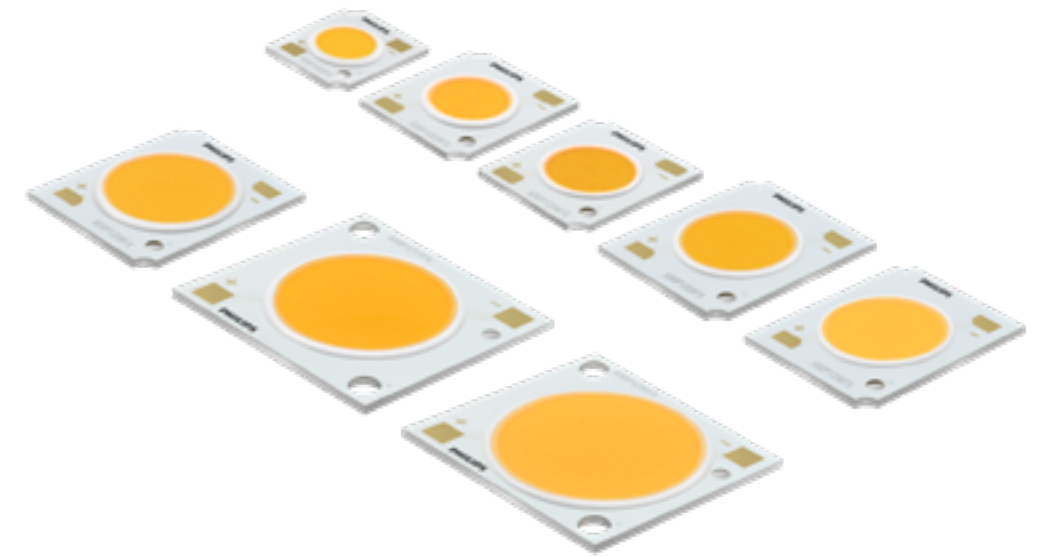


# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 935 PW 1204 L09 1313 G7N HE+	1855	12	150	3500	90	2	85	> 66,000	929003438580	active
Fortimo SLM C 940 PW 1204 L09 1313 G7N HE+	1905	12	154	4000	90	2	85	> 66,000	929003438680	active
Fortimo SLM C 927 1205 L15 1919 G7N HE+	2250	15	146	2700	90	2	85	> 66,000	929003438780	
Fortimo SLM C 930 1205 L15 1919 G7N HE+	2395	15	155	3000	90	2	85	> 66,000	929003438880	
Fortimo SLM C 935 1205 L15 1919 G7N HE+	2480	15	160	3500	90	2	85	> 66,000	929003438980	
Fortimo SLM C 940 1205 L15 1919 G7N HE+	2541	15	164	4000	90	2	85	> 66,000	929003439080	
Fortimo SLM C 930 PW 1205 L15 1919 G7N HE+	2420	15	157	3000	90	2	85	> 66,000	929003439180	active
Fortimo SLM C 935 PW 1205 L15 1919 G7N HE+	2480	15	160	3500	90	2	85	> 66,000	929003439280	active
Fortimo SLM C 940 PW 1205 L15 1919 G7N HE+	2541	15	164	4000	90	2	85	> 66,000	929003439380	active
Fortimo SLM C 927 1206 L15 1919 G7N HE+	2670	19	144	2700	90	2	85	> 66,000	929003439480	
Fortimo SLM C 930 1206 L15 1919 G7N HE+	2845	19	153	3000	90	2	85	> 66,000	929003439580	
Fortimo SLM C 935 1206 L15 1919 G7N HE+	2947	19	159	3500	90	2	85	> 66,000	929003439680	
Fortimo SLM C 940 1206 L15 1919 G7N HE+	3017	19	163	4000	90	2	85	> 66,000	929003439780	
Fortimo SLM C 930 PW 1206 L15 1919 G7N HE+	2875	19	155	3000	90	2	85	> 66,000	929003439880	
Fortimo SLM C 935 PW 1206 L15 1919 G7N HE+	2945	19	159	3500	90	2	85	> 66,000	929003439980	
Fortimo SLM C 940 PW 1206 L15 1919 G7N HE+	3020	19	163	4000	90	2	85	> 66,000	929003440080	
Fortimo SLM C 927 1208 L15 1919 G7N HE+	3515	25	142	2700	90	2	85	> 66,000	929003440180	active
Fortimo SLM C 930 1208 L15 1919 G7N HE+	3740	25	151	3000	90	2	85	> 66,000	929003440280	active
Fortimo SLM C 935 1208 L15 1919 G7N HE+	3875	25	157	3500	90	2	85	> 66,000	929003440380	active
Fortimo SLM C 940 1208 L15 1919 G7N HE+	3970	25	161	4000	90	2	85	> 66,000	929003440480	active

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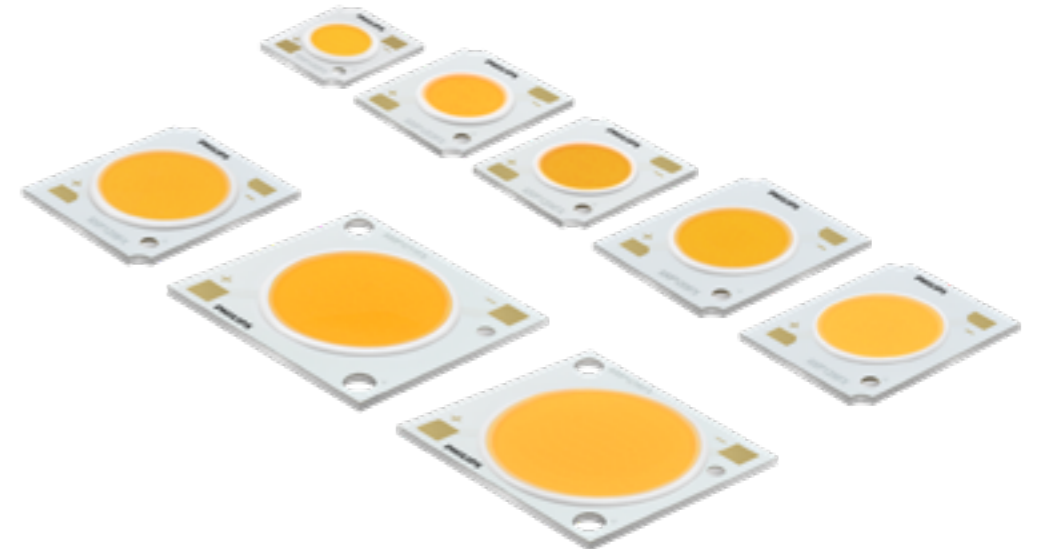


# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 930 PW 1208 L15 1919 G7N HE+	3780	25	153	3000	90	2	85	> 66,000	929003440580	active
Fortimo SLM C 935 PW 1208 L15 1919 G7N HE+	3875	25	157	3500	90	2	85	> 66,000	929003440680	active
Fortimo SLM C 940 PW 1208 L15 1919 G7N HE+	3971	25	161	4000	90	2	85	> 66,000	929003440780	active
Fortimo SLM C 927 1210 L15 1919 G7N HE+	4325	31	140	2700	90	2	85	> 66,000	929003440880	
Fortimo SLM C 930 1210 L15 1919 G7N HE+	4605	31	149	3000	90	2	85	> 66,000	929003440980	
Fortimo SLM C 935 1210 L15 1919 G7N HE+	4765	31	154	3500	90	2	85	> 66,000	929003441080	
Fortimo SLM C 940 1210 L15 1919 G7N HE+	4885	31	158	4000	90	2	85	> 66,000	929003441180	
Fortimo SLM C 930 PW 1210 L15 1919 G7N HE+	4650	31	150	3000	90	2	85	> 66,000	929003441280	active
Fortimo SLM C 935 PW 1210 L15 1919 G7N HE+	4770	31	154	3500	90	2	85	> 66,000	929003441380	active
Fortimo SLM C 940 PW 1210 L15 1919 G7N HE+	4885	31	158	4000	90	2	85	> 66,000	929003441480	active
Fortimo SLM C 927 1211 L22 2828 G7N HE+	4930	34	145	2700	90	2	85	> 66,000	929003441580	active
Fortimo SLM C 930 1211 L22 2828 G7N HE+	5255	34	155	3000	90	2	85	> 66,000	929003441680	active
Fortimo SLM C 935 1211 L22 2828 G7N HE+	5500	34	162	3500	90	2	85	> 66,000	929003441780	active
Fortimo SLM C 940 1211 L22 2828 G7N HE+	5635	34	166	4000	90	2	85	> 66,000	929003441880	active
Fortimo SLM C 930 PW 1211 L22 2828 G7N HE+	5310	34	156	3000	90	2	85	> 66,000	929003441980	active
Fortimo SLM C 935 PW 1211 L22 2828 G7N HE+	5500	34	162	3500	90	2	85	> 66,000	929003442080	active
Fortimo SLM C 940 PW 1211 L22 2828 G7N HE+	5635	34	166	4000	90	2	85	> 66,000	929003442180	active
Fortimo SLM C 927 1212 L22 2828 G7N HE+	5350	37	144	2700	90	2	85	> 66,000	929003442280	
Fortimo SLM C 930 1212 L22 2828 G7N HE+	5700	37	154	3000	90	2	85	> 66,000	929003442380	
Fortimo SLM C 935 1212 L22 2828 G7N HE+	5960	37	161	3500	90	2	85	> 66,000	929003442480	

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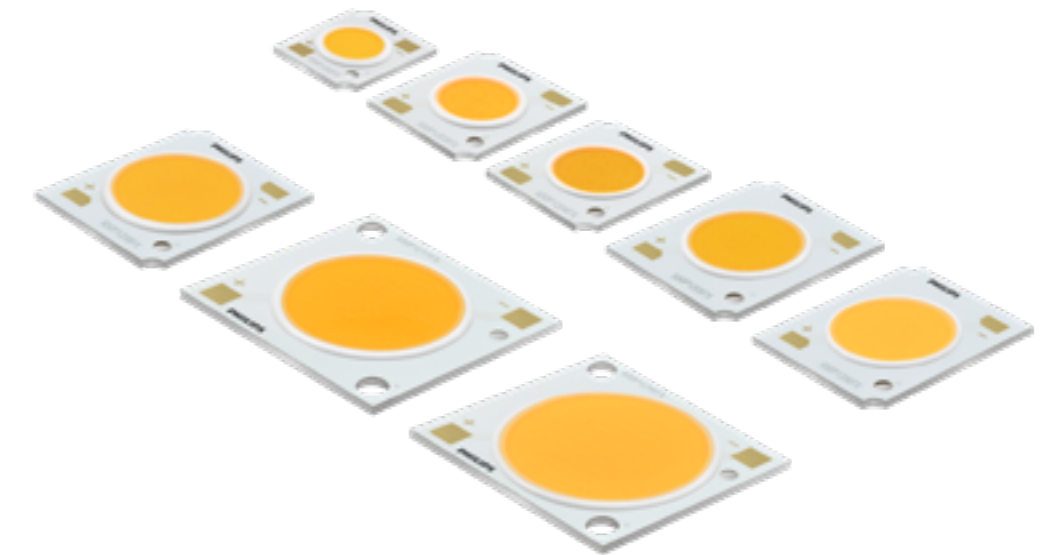


# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 940 1212 L22 2828 G7N HE+	6110	37	165	4000	90	2	85	> 66,000	929003442580	
Fortimo SLM C 930 PW 1212 L22 2828 G7N HE+	5760	37	155	3000	90	2	85	> 66,000	929003442680	
Fortimo SLM C 935 PW 1212 L22 2828 G7N HE+	5965	37	161	3500	90	2	85	> 66,000	929003442780	
Fortimo SLM C 940 PW 1212 L22 2828 G7N HE+	6110	37	165	4000	90	2	85	> 66,000	929003442880	
Fortimo SLM C 935 1210 L15 1919 G7N HE+	4765	31	154	3500	90	2	85	> 66,000	929003441080	
Fortimo SLM C 940 1210 L15 1919 G7N HE+	4885	31	158	4000	90	2	85	> 66,000	929003441180	
Fortimo SLM C 930 PW 1210 L15 1919 G7N HE+	4650	31	150	3000	90	2	85	> 66,000	929003441280	active
Fortimo SLM C 935 PW 1210 L15 1919 G7N HE+	4770	31	154	3500	90	2	85	> 66,000	929003441380	active
Fortimo SLM C 940 PW 1210 L15 1919 G7N HE+	4885	31	158	4000	90	2	85	> 66,000	929003441480	active
Fortimo SLM C 927 1211 L22 2828 G7N HE+	4930	34	145	2700	90	2	85	> 66,000	929003441580	active
Fortimo SLM C 930 1211 L22 2828 G7N HE+	5255	34	155	3000	90	2	85	> 66,000	929003441680	active
Fortimo SLM C 935 1211 L22 2828 G7N HE+	5500	34	162	3500	90	2	85	> 66,000	929003441780	active
Fortimo SLM C 940 1211 L22 2828 G7N HE+	5635	34	166	4000	90	2	85	> 66,000	929003441880	active
Fortimo SLM C 930 PW 1211 L22 2828 G7N HE+	5310	34	156	3000	90	2	85	> 66,000	929003441980	active
Fortimo SLM C 935 PW 1211 L22 2828 G7N HE+	5500	34	162	3500	90	2	85	> 66,000	929003442080	active
Fortimo SLM C 940 PW 1211 L22 2828 G7N HE+	5635	34	166	4000	90	2	85	> 66,000	929003442180	active
Fortimo SLM C 927 1212 L22 2828 G7N HE+	5350	37	144	2700	90	2	85	> 66,000	929003442280	
Fortimo SLM C 930 1212 L22 2828 G7N HE+	5700	37	154	3000	90	2	85	> 66,000	929003442380	
Fortimo SLM C 935 1212 L22 2828 G7N HE+	5960	37	161	3500	90	2	85	> 66,000	929003442480	
Fortimo SLM C 940 1212 L22 2828 G7N HE+	6110	37	165	4000	90	2	85	> 66,000	929003442580	

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# Fortimo SLM HE+ Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc nominal	B50/L70 at Tc Life	Order Code	Remarks
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 930 PW 1212 L22 2828 G7N HE+	5760	37	155	3000	90	2	85	> 66,000	929003442680	
Fortimo SLM C 935 PW 1212 L22 2828 G7N HE+	5965	37	161	3500	90	2	85	> 66,000	929003442780	
Fortimo SLM C 940 PW 1212 L22 2828 G7N HE+	6110	37	165	4000	90	2	85	> 66,000	929003442880	
Fortimo SLM C 927 1216 L22 2828 G7N HE+	7000	49	142	2700	90	2	85	> 66,000	929003442980	
Fortimo SLM C 930 1216 L22 2828 G7N HE+	7455	49	151	3000	90	2	85	> 66,000	929003443080	active
Fortimo SLM C 935 1216 L22 2828 G7N HE+	7800	49	158	3500	90	2	85	> 66,000	929003443180	
Fortimo SLM C 940 1216 L22 2828 G7N HE+	7990	49	162	4000	90	2	85	> 66,000	929003443280	active
Fortimo SLM C 930 PW 1216 L22 2828 G7N HE+	7535	49	152	3000	90	2	85	> 66,000	929003443380	
Fortimo SLM C 935 PW 1216 L22 2828 G7N HE+	7800	49	158	3500	90	2	85	> 66,000	929003443480	
Fortimo SLM C 940 PW 1216 L22 2828 G7N HE+	7995	49	162	4000	90	2	85	> 66,000	929003443580	

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# Fortimo SLM HE+ Gen7

## Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 41-49 or the certa indoor point driver section at pages .To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

## Product specifications

	G7 HE+					G7 N HE+				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23	1203, L09	1205, L15	1208, L15	1211, L22	1216, L22
<b>CertaDrive Mini</b>										
CertaDrive 21W/m 0.5A 42V 230V G2		√	√	√	√		√	√	√	√
CertaDrive 25W/m 0.6A 42V 230V G2		√	√	√	√		√	√	√	√
CertaDrive 30W/m 0.7A 42V 230V G2			√	√	√			√	√	√
CertaDrive 34W/m 0.8A 42V 230V G2			√	√	√			√	√	√
CertaDrive 40W/m 0.9A 44V 230V G2			√	√	√			√	√	√
CertaDrive 41W/m 1.05A 39V 230V G2			√	√	√			√	√	√
<b>CertaDrive Single Current G3 (low ripple)</b>										
CertaDrive 8W 0.2A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 11W 0.25A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 13W 0.3A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 15W 0.35A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 17W 0.4A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 19W 0.45A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 21W 0.5A 42V I 230V G2		√	√	√	√		√	√	√	√
CertaDrive 25W 0.6A 42V I 230V G3		√	√	√	√		√	√	√	√
CertaDrive 30W 0.7A 42V I 230V G3		√	√	√	√		√	√	√	√
CertaDrive 34W 0.8A 42V I 230V G3			√	√	√			√	√	√
CertaDrive 38W 0.9A 42V I 230V G3			√	√	√			√	√	√
CertaDrive 44W 1.05A 42V I 230V G3			√	√	√			√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

	G7 HE+					G7 N HE+				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23	1203, L09	1205, L15	1208, L15	1211, L22	1216, L22
<b>CertaDrive Single Current (LPF Family)</b>										
CertaDrive 4W 0.1A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 6W 0.15A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 8W 0.2A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 12W 0.3A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 14W 0.35A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 16W 0.4A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 18W 0.45A 40V LPF I 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 20W 0.5A 40V LPF I 230V		√	√	√	√		√	√	√	√
<b>CertaDrive Track Adaptor Driver (1 circuits)</b>										
CertaDrive 10W/a 0.2/0.25A 40V 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 20W/a 0.35/0.5A 40V 230V	√	√	√	√	√	√	√	√	√	√
CertaDrive 30W/a 0.7/0.75A 40V 230V		√	√	√	√		√	√	√	√
CertaDrive 34W/a 0.8/0.85A 40V 230V			√	√	√			√	√	√
CertaDrive 41W/a 0.9/1.05A 39V 230V			√	√	√			√	√	√
<b>Xi</b>										
Xi 14W/a 0.2-0.35A 40V DS	√	√	√	√	√	√	√	√	√	√
Xi 26W/a 0.5-0.65A 40V DS		√	√	√	√		√	√	√	√
Xi 34W/a 0.7-0.85A 40V DS		√	√	√	√		√	√	√	√
Xi 42W/a 0.9-1.05A 40V DS			√	√	√			√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

# Fortimo SLM HE+ Gen7

## Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 41-49 or the certa indoor point driver section at pages .To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

### Product specifications

	G7 HE+					G7 N HE+				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23	1203, L09	1205, L15	1208, L15	1211, L22	1216, L22
Xitanium 20W 0.15-0.5A 48V	√	√	√	√	√	√	√	√	√	√
Xitanium 36W 0.3-1A 48V	√	√	√	√	√	√	√	√	√	√
Xitanium 50W 0.7-1.5A 48V		√	√	√	√		√	√	√	√
Xitanium 50W 0.9-1.4A 48V			√	√	√			√	√	√
<b>Xitanium Linear</b>										
Xitanium 16W/m 0.35A 46V SC 230V	√	√	√	√	√	√	√	√	√	√
Xitanium 23W/m 0.5A 46V SC 230V		√	√	√	√		√	√	√	√
Xitanium 28W/m 0.6A 31-46V SC 230V		√	√	√	√		√	√	√	√
Xitanium 32W/m 0.7A 46V SC 230V			√	√	√			√	√	√
Xitanium 34W/m 0.8A 42V SC 230V			√	√	√			√	√	√
Xitanium 38W/m 0.9A 42V SC 230V			√	√	√			√	√	√
Xitanium 48W/m 1.05A 46V SC 230V			√	√	√			√	√	√
<b>CertaDrive Mini</b>										
CertaDrive 21W/m 0.5A 42V 230V G2		√	√	√	√		√	√	√	√
CertaDrive 25W/m 0.6A 42V 230V G2		√	√	√	√		√	√	√	√
CertaDrive 30W/m 0.7A 42V 230V G2			√	√	√			√	√	√
CertaDrive 34W/m 0.8A 42V 230V G2			√	√	√			√	√	√
CertaDrive 40W/m 0.9A 44V 230V G2			√	√	√			√	√	√
CertaDrive 41W/m 1.05A 39V 230V G2			√	√	√			√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

	G7 HE+					G7 N HE+				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23	1203, L09	1205, L15	1208, L15	1211, L22	1216, L22
<b>CertaDrive Single Current G3 (low ripple)</b>										
CertaDrive 8W 0.2A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 11W 0.25A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 13W 0.3A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 15W 0.35A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 17W 0.4A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 19W 0.45A 42V I 230V G2	√	√	√	√	√	√	√	√	√	√
CertaDrive 21W 0.5A 42V I 230V G2		√	√	√	√		√	√	√	√
CertaDrive 25W 0.6A 42V I 230V G3		√	√	√	√		√	√	√	√
CertaDrive 30W 0.7A 42V I 230V G3		√	√	√	√		√	√	√	√
CertaDrive 34W 0.8A 42V I 230V G3			√	√	√			√	√	√
CertaDrive 38W 0.9A 42V I 230V G3			√	√	√			√	√	√
CertaDrive 44W 1.05A 42V I 230V G3			√	√	√			√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

## Fortimo SLM Gen7 new footprint

With the introduction of Fortimo SLM G7 new family, the leading efficacy and quality of light of Fortimo SLM latest platform now served in most industry-proven footprint. On top of adaption to most widely used footprint, Fortimo SLM G7 new footprint covers Super efficacy, premium white color platform. Continuous to unlock the potential of light and make ease of use to our OEM customers.

### Features

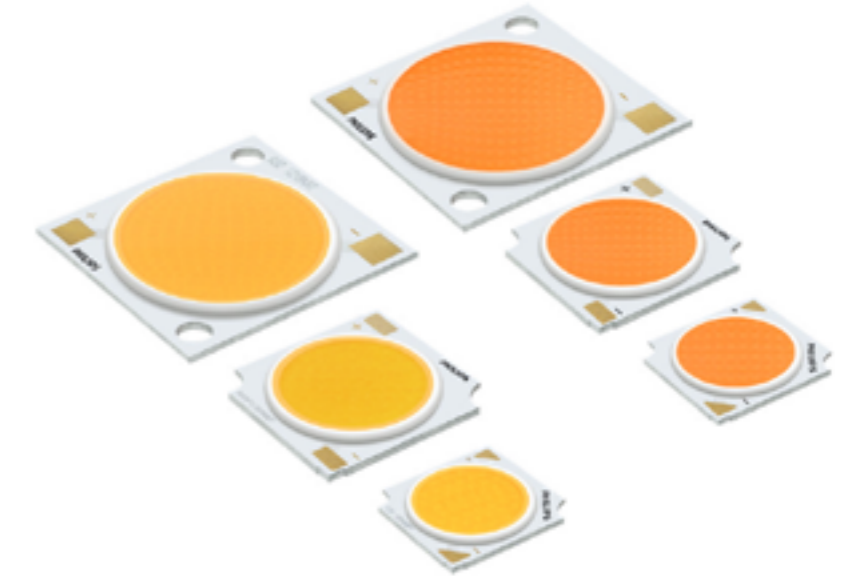
- Most industry-proven footprint
- Standard / Premium White / High Efficacy sub family included
- System Proposition (CoB+Holder+Driver)
- Pre-configured system propositions both in high lm/W and lm/\$
- Large choice of drivers available, including DALI dimming, Xitanium, Certaflux

### Benefits

- Best quality of light for all applications
- Flexibility to optimize luminaire performance
- A reliable & flexible system approach
- Philips Standard warranty applies.

### Applications

- Retail



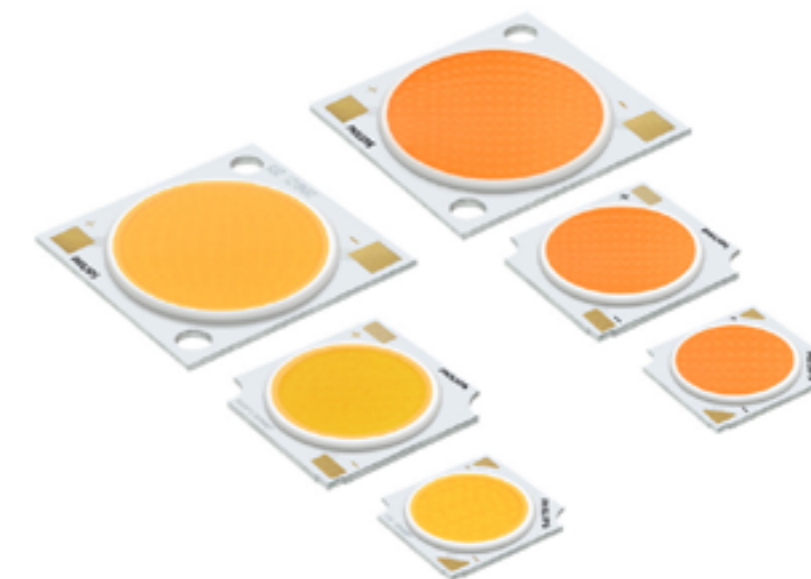
### Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 930 PW 1201 L09 1313 G7N	470	3	155	3000	> 90	3	85	> 50,000	929003373706
Fortimo SLM C 830 1202 L09 1313 G7N	955	6	157	3000	> 80	3	85	> 50,000	929003374106
Fortimo SLM C 927 1202 L09 1313 G7N	775	6	128	2700	> 90	3	85	> 50,000	929003374606
Fortimo SLM C 930 1202 L09 1313 G7N	815	6	134	3000	> 90	3	85	> 50,000	929003374706
Fortimo SLM C 930 PW 1202 L09 1313 G7N	815	6	134	3100	> 90	3	85	> 50,000	929003375006
Fortimo SLM C 830 1203 L09 1313 G7N	1415	9	156	3000	> 80	3	85	> 50,000	929003375406
Fortimo SLM C 927 1203 L09 1313 G7N	1155	9	127	2700	> 90	3	85	> 50,000	929003375906
Fortimo SLM C 930 1203 L09 1313 G7N	1205	9	132	3000	> 90	3	85	> 50,000	929003376006
Fortimo SLM C 930 PW 1203 L09 1313 G7N	1205	9	132	3100	> 90	3	85	> 50,000	929003376306
Fortimo SLM C 930 1204 L09 1313 G7N	1575	12.1	130	3000	> 90	3	85	> 50,000	929003377306
Fortimo SLM C 935 1204 L09 1313 G7N	1630	12.1	134	3500	> 90	3	85	> 50,000	929003377406
Fortimo SLM C 940 1204 L09 1313 G7N	1675	12.1	138	4000	> 90	3	85	> 50,000	929003377506
Fortimo SLM C 930 PW 1204 L09 1313 G7N	1575	12.1	130	3100	> 90	3	85	> 50,000	929003377606

# Fortimo SLM Gen7 new footprint

## Product specifications

Product Description	Light Output	Moduel Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 935 PW 1204 L09 1313 G7N	1630	12.1	134	3500	> 90	3	85	> 50,000	929003377706
Fortimo SLM C 830 1205 L15 1919 G7N	2415	15.2	159	3000	> 80	3	85	> 50,000	929003378006
Fortimo SLM C 840 1205 L15 1919 G7N	2535	15.2	167	4000	> 80	3	85	> 50,000	929003378206
Fortimo SLM C 927 1205 L15 1919 G7N	1965	15.2	130	2700	> 90	3	85	> 50,000	929003378506
Fortimo SLM C 930 1205 L15 1919 G7N	2060	15.2	136	3000	> 90	3	85	> 50,000	929003378606
Fortimo SLM C 930 PW 1205 L15 1919 G7N	2060	15.2	136	3100	> 90	3	85	> 50,000	929003378906
Fortimo SLM C 935 PW 1205 L15 1919 G7N	2135	15.2	141	3500	> 90	3	85	> 50,000	929003379006
Fortimo SLM C 940 PW 1205 L15 1919 G7N	2195	15.2	145	4000	> 90	3	85	> 50,000	929003379106
Fortimo SLM C 930 1206 L15 1919 G7N	2445	18.2	134	3000	> 90	3	85	> 50,000	929003379906
Fortimo SLM C 935 1206 L15 1919 G7N	2530	18.2	139	3500	> 90	3	85	> 50,000	929003380006
Fortimo SLM C 830 1208 L15 1919 G7N	3735	24.3	154	3000	> 90	3	85	> 50,000	929003380606
Fortimo SLM C 840 1208 L15 1919 G7N	3920	24.3	162	4000	> 90	3	85	> 50,000	929003380806
Fortimo SLM C 927 1208 L15 1919 G7N	3040	24.3	125	3040	> 90	3	85	> 50,000	929003381106
Fortimo SLM C 930 1208 L15 1919 G7N	3190	24.3	131	3000	> 90	3	85	> 50,000	929003381206
Fortimo SLM C 930 PW 1208 L15 1919 G7N	3190	24.3	131	3100	> 90	3	85	> 50,000	929003381506
Fortimo SLM C 935 PW 1208 L15 1919 G7N	3305	24.3	136	3500	> 90	3	85	> 50,000	929003381606
Fortimo SLM C 940 PW 1208 L15 1919 G7N	3400	24.3	140	4100	> 90	3	85	> 50,000	929003381706
Fortimo SLM C 930 PW 1210 L15 1919 G7N	3955	30.3	130	3100	> 90	3	85	> 50,000	929003382806
Fortimo SLM C 935 PW 1210 L15 1919 G7N	4100	30.3	135	3500	> 90	3	85	> 50,000	929003382906
Fortimo SLM C 830 1211 L22 2828 G7N	5320	33.4	159	3000	> 80	3	85	> 50,000	929003383206
Fortimo SLM C 840 1211 L22 2828 G7N	5590	33.4	168	4000	> 80	3	85	> 50,000	929003383406
Fortimo SLM C 927 1211 L22 2828 G7N	4330	33.4	130	2700	> 90	3	85	> 50,000	929003383706
Fortimo SLM C 930 1211 L22 2828 G7N	4550	33.4	136	3000	> 90	3	85	> 50,000	929003383806
Fortimo SLM C 930 PW 1211 L22 2828 G7N	4550	33.4	136	3100	> 90	3	85	> 50,000	929003384106



## Fortimo SLM Food Gen7

The pleasure of a well-stocked and beautifully presented produce department is highly appreciated by the customers and can't be replaced by online sales. Therefore, fresh food area is one of the main reasons for shopper to make a trip to the retail and further set up a loyalty of the shopper to a specific retail. With the new Fortimo SLM Food Gen7 range introduction, we will help our customers create a perfect ambience in food area with an optimized light solution(module) to differentiate from other retailers and enhance loyalty of their customers. The new Fortimo SLM Food Gen7 range extend from previous Meat & Bakery application to Life Sea Food, Iced Sea Food and Fresh Vegetables.

### Product specifications

Product Description	Light Output	Moduel Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code	Application
	lm	W	lm/W	K	Ra	SDCM	°C	hrs		
Fortimo SLM C 930 FPR 1205 L13 2024 G7	1615	17.1	94	3000	90	3	85	> 50,000	929002144106	Meat
Fortimo SLM C 930 FPR 1208 L15 2024 G7	2410	25.5	95	3000	90	3	85	> 50,000	929002144206	Meat
Fortimo SLM C 930 FPR 1211 L19 2828 G7	3910	41.6	94	3000	90	3	85	> 50,000	929002144306	Meat
Fortimo SLM C 925 FWW 1205 L13 2024 G7	1524	17.1	89	2500	90	3	85	> 50,000	929002144406	Bakery
Fortimo SLM C 925 FWW 1208 L15 2024 G7	2270	25.5	89	2500	90	3	85	> 50,000	929002144506	Bakery
Fortimo SLM C 925 FWW 1211 L19 2828 G7	3680	41.6	89	2500	90	3	85	> 50,000	929002144606	Bakery
Fortimo SLM C 950 FLS 1205 L13 2024 G7	2202	17.1	129	5000	90	3	85	> 50,000	929002144706	Live Seafood
Fortimo SLM C 950 FLS 1208 L15 2024 G7	3310	25.5	129	5000	90	3	85	> 50,000	929002144806	Live Seafood
Fortimo SLM C 950 FLS 1211 L19 2828 G7	5250	41.6	126	5000	90	3	85	> 50,000	929002144906	Live Seafood
Fortimo SLM C 865 FIS 1205 L13 2024 G7	2360	17.1	138	6500	80	3	85	> 50,000	929002145006	Iced Seafood
Fortimo SLM C 865 FIS 1208 L15 2024 G7	3560	25.5	139	6500	80	3	85	> 50,000	929002145106	Iced Seafood
Fortimo SLM C 865 FIS 1211 L19 2828 G7	5660	41.6	136	6500	80	3	85	> 50,000	929002145206	Iced Seafood
Fortimo SLM C 930 FVF 1205 L13 2024 G7	2040	17.1	119	3000	90	3	85	> 50,000	929002145306	Vegetable & Fruit
Fortimo SLM C 930 FVF 1208 L15 2024 G7	3070	25.5	120	3000	90	3	85	> 50,000	929002145406	Vegetable & Fruit
Fortimo SLM C 930 FVF 1211 L19 2828 G7	4800	41.6	117	3000	90	3	85	> 50,000	929002145506	Vegetable & Fruit



12011



1208



1205

# Fortimo SLM Food Gen7

## Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 41-49 or the certa indoor point driver section at pages .To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

### Product specifications

Description	G7 Food		
	1205	1208	1211
<b>CertaDrive Mini</b>			
CertaDrive 21W/m 0.5A 42V 230V G2	√	√	√
CertaDrive 25W/m 0.6A 42V 230V G2	√	√	√
CertaDrive 30W/m 0.7A 42V 230V G2	√	√	√
CertaDrive 34W/m 0.8A 42V 230V G2	√	√	√
CertaDrive 40W/m 0.9A 44V 230V G2	√	√	√
CertaDrive 41W/m 1.05A 39V 230V G2	√	√	√
<b>CertaDrive Single Current G3 (low ripple)</b>			
CertaDrive 8W 0.2A 42V I 230V G2	√	√	√
CertaDrive 11W 0.25A 42V I 230V G2	√	√	√
CertaDrive 13W 0.3A 42V I 230V G2	√	√	√
CertaDrive 15W 0.35A 42V I 230V G2	√	√	√
CertaDrive 17W 0.4A 42V I 230V G2	√	√	√
CertaDrive 19W 0.45A 42V I 230V G2	√	√	√
CertaDrive 21W 0.5A 42V I 230V G2	√	√	√
CertaDrive 25W 0.6A 42V I 230V G3	√	√	√
CertaDrive 30W 0.7A 42V I 230V G3	√	√	√
CertaDrive 34W 0.8A 42V I 230V G3	√	√	√
CertaDrive 38W 0.9A 42V I 230V G3	√	√	√
CertaDrive 44W 1.05A 42V I 230V G3	√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	G7 Food		
	1205	1208	1211
<b>CertaDrive Single Current (LPF Family)</b>			
CertaDrive 4W 0.1A 40V LPF I 230V	√	√	√
CertaDrive 6W 0.15A 40V LPF I 230V	√	√	√
CertaDrive 8W 0.2A 40V LPF I 230V	√	√	√
CertaDrive 12W 0.3A 40V LPF I 230V	√	√	√
CertaDrive 14W 0.35A 40V LPF I 230V	√	√	√
CertaDrive 16W 0.4A 40V LPF I 230V	√	√	√
CertaDrive 18W 0.45A 40V LPF I 230V	√	√	√
CertaDrive 20W 0.5A 40V LPF I 230V	√	√	√
<b>CertaDrive Track Adaptor Driver (1 circuits)</b>			
CertaDrive 10W/a 0.2/0.25A 40V 230V	√	√	√
CertaDrive 20W/a 0.35/0.5A 40V 230V	√	√	√
CertaDrive 30W/a 0.7/0.75A 40V 230V	√	√	√
CertaDrive 34W/a 0.8/0.85A 40V 230V	√	√	√
CertaDrive 41W/a 0.9/1.05A 39V 230V	√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).



# Fortimo SLM Gen7+ High Density

The latest generation of Fortimo LED SLM High Density (G7+) enables higher light output of small CoB sizes. The Fortimo High Density(HD) portfolio is perfect for narrow beam high punch applications, but can also be used for miniaturized downlights or spotlight when used with optimized lens optics.

## Features

- Improved efficacy up to 8% Vs previous generation
- Extensive ranges of CCTs
- Small LES size for narrow beam angles and small reflector design
- System Proposition (CoB+Holder+Driver)
- Large choice of drivers available, including DALI dimming, Xitanium, Certaflux

## Benefits

- Best quality of light for all applications
- Excellent beam control and small reflector design
- Flexibility to optimize luminaire performance
- A reliable & flexible system approach
- Philips Standard warranty applies.

## Applications

- Retail
- Hospitality

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 827 1202 L06 1215 G7+	890	6.8	130	2700	80	3	> 50,000	> 50,000	929002194506
Fortimo SLM C 830 1202 L06 1215 G7+	932	6.8	137	3000	80	3	> 50,000	> 50,000	929002194606
Fortimo SLM C 835 1202 L06 1215 G7+	957	6.8	140	3500	80	3	> 50,000	> 50,000	929002194706
Fortimo SLM C 840 1202 L06 1215 G7+	981	6.8	144	4000	80	3	> 50,000	> 50,000	929002194806
Fortimo SLM C 850 1202 L06 1215 G7+	984	6.8	144	5000	80	3	> 50,000	> 50,000	929002194906
Fortimo SLM C 857 1202 L06 1215 G7+	991	6.8	145	5700	80	3	> 50,000	> 50,000	929002195006
Fortimo SLM C 927 1202 L06 1215 G7+	758	6.8	111	2700	90	3	> 50,000	> 50,000	929002195106
Fortimo SLM C 930 1202 L06 1215 G7+	798	6.8	117	3000	90	3	> 50,000	> 50,000	929002195206
Fortimo SLM C 830 PW 1202 L06 1215 G7+	933	6.8	137	3000	80	3	> 50,000	> 50,000	929002195306
Fortimo SLM C 930 PW 1202 L06 1215 G7+	797	6.8	117	3000	90	3	> 50,000	> 50,000	929002195406
Fortimo SLM C 935 PW 1202 L06 1215 G7+	825	6.8	121	3500	90	3	> 50,000	> 50,000	929002195506
Fortimo SLM C 940 PW 1202 L06 1215 G7+	849	6.8	124	4000	90	3	> 50,000	> 50,000	929002195606
Fortimo SLM C 930 PC 1202 L06 1215 G7+	759	6.8	111	3000	90	3	> 50,000	> 50,000	929002195706



# Fortimo SLM Gen7+ High Density

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 827 1204 L09 1619 G7+	1793	13.6	131	2700	80	3	> 50,000	> 50,000	929002195806
Fortimo SLM C 830 1204 L09 1619 G7+	1878	13.6	138	3000	80	3	> 50,000	> 50,000	929002195906
Fortimo SLM C 835 1204 L09 1619 G7+	1927	13.6	141	3500	80	3	> 50,000	> 50,000	929002196006
Fortimo SLM C 840 1204 L09 1619 G7+	1972	13.6	145	4000	80	3	> 50,000	> 50,000	929002196106
Fortimo SLM C 850 1204 L09 1619 G7+	1982	13.6	145	5000	80	3	> 50,000	> 50,000	929002196206
Fortimo SLM C 857 1204 L09 1619 G7+	1992	13.6	146	5700	80	3	> 50,000	> 50,000	929002196306
Fortimo SLM C 927 1204 L09 1619 G7+	1531	13.6	112	2700	90	3	> 50,000	> 50,000	929002196406
Fortimo SLM C 930 1204 L09 1619 G7+	1606	13.6	118	3000	90	3	> 50,000	> 50,000	929002196506
Fortimo SLM C 830 PW 1204 L09 1619 G7+	1878	13.6	138	3000	80	3	> 50,000	> 50,000	929002196606
Fortimo SLM C 930 PW 1204 L09 1619 G7+	1607	13.6	118	3000	90	3	> 50,000	> 50,000	929002196706
Fortimo SLM C 935 PW 1204 L09 1619 G7+	1661	13.6	122	3500	90	3	> 50,000	> 50,000	929002196806
Fortimo SLM C 940 PW 1204 L09 1619 G7+	1710	13.6	125	4000	90	3	> 50,000	> 50,000	929002196906
Fortimo SLM C 930 PC 1204 L09 1619 G7+	1526	13.6	112	3000	90	3	> 50,000	> 50,000	929002197006



# Fortimo SLM Gen7+ High Density

## Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 41-49 or the certa indoor point driver section at pages .To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

### Product specifications

Description	G7+	
	1202, L06	1204, L09
<b>CertaDrive Mini</b>		
CertaDrive 21W/m 0.5A 42V 230V G2		√
CertaDrive 25W/m 0.6A 42V 230V G2		√
CertaDrive 30W/m 0.7A 42V 230V G2		√
CertaDrive 34W/m 0.8A 42V 230V G2		√
CertaDrive 40W/m 0.9A 44V 230V G2		√
CertaDrive 41W/m 1.05A 39V 230V G2		
<b>CertaDrive Single Current G3 (low ripple)</b>		
CertaDrive 8W 0.2A 42V I 230V G2	√	√
CertaDrive 11W 0.25A 42V I 230V G2	√	√
CertaDrive 13W 0.3A 42V I 230V G2	√	√
CertaDrive 15W 0.35A 42V I 230V G2	√	√
CertaDrive 17W 0.4A 42V I 230V G2	√	√
CertaDrive 19W 0.45A 42V I 230V G2	√	√
CertaDrive 21W 0.5A 42V I 230V G2		√
CertaDrive 25W 0.6A 42V I 230V G3		√
CertaDrive 30W 0.7A 42V I 230V G3		√
CertaDrive 34W 0.8A 42V I 230V G3		√
CertaDrive 38W 0.9A 42V I 230V G3		√
CertaDrive 44W 1.05A 42V I 230V G3		

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	G7 Food	
	1202, L06	1204, L09
<b>CertaDrive Single Current (LPF Family)</b>		
CertaDrive 4W 0.1A 40V LPF I 230V	√	√
CertaDrive 6W 0.15A 40V LPF I 230V	√	√
CertaDrive 8W 0.2A 40V LPF I 230V	√	√
CertaDrive 12W 0.3A 40V LPF I 230V	√	√
CertaDrive 14W 0.35A 40V LPF I 230V	√	√
CertaDrive 16W 0.4A 40V LPF I 230V	√	√
CertaDrive 18W 0.45A 40V LPF I 230V	√	√
CertaDrive 20W 0.5A 40V LPF I 230V		√
<b>CertaDrive Track Adaptor Driver (1 circuits)</b>		
CertaDrive 10W/a 0.2/0.25A 40V 230V	√	√
CertaDrive 20W/a 0.35/0.5A 40V 230V	√	√
CertaDrive 30W/a 0.7/0.75A 40V 230V		√
CertaDrive 34W/a 0.8/0.85A 40V 230V		√
CertaDrive 41W/a 0.9/1.05A 39V 230V		√
Xi 14W/a 0.2-0.35A 40V DS		
Xi 26W/a 0.5-0.65A 40V DS		
Xi 34W/a 0.7-0.85A 40V DS		
Xi 42W/a 0.9-1.05A 40V DS		

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	G7 Food	
	1202, L06	1204, L09
Xitanium 20W 0.15-0.5A 48V		
Xitanium 36W 0.3-1A 48V		
Xitanium 50W 0.7-1.5A 48V		
Xitanium 50W 0.9-1.4A 48V		
Xitanium 16W/m 0.35A 46V SC 230V		
Xitanium 23W/m 0.5A 46V SC 230V		
Xitanium 28W/m 0.6A 31-46V SC 230V		
Xitanium 32W/m 0.7A 46V SC 230V		√
Xitanium 34W/m 0.8A 42V SC 230V		
Xitanium 38W/m 0.9A 42V SC 230V		
Xitanium 48W/m 1.05A 46V SC 230V	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

# Fortimo SLM Gen7

Fortimo SLM Gen7 continues to focus on the combination of Quality of Light and , Energy efficacy and miniaturization in a future proof and backwards compatible portfolio. This results in an extensive portfolio of lumen ranges, CCTs and spectra. In parallel, +8% efficacy is achieved in average Vs Gen 6. Please also check the online [Easy Design-in Tool](#) for your perfect system combination.

## Features

- Broad portfolio in terms of CCT 2700K, 3000K, 3500K, 4000K,5000K,5700K & CRI 80, 90 available
- Flexibility to select a different lumen output between 800 and 10000lm
- Small LES size for narrow beam angles and small reflector design
- Separation of CoB and holders to increase reactivity and speed improved understandability of the portfolio
- System Proposition (CoB+Holder+Driver)

## Benefits

- Best quality of light for all applications
- Standard/Permium White/ availalbe
- Excellent beam control and small reflector design
- Flexibility to optimize luminaire performance
- A reliable & flexible system approach

## Applications

- Retail
- Industry & Outdoor

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 827 1203 L09 1619 G7	1490	10.3	144	2700	> 80	3	85	> 50,000	929001583806
Fortimo SLM C 830 1203 L09 1619 G7	1520	10.3	147	3000	> 80	3	85	> 50,000	929001583906
Fortimo SLM C 835 1203 L09 1619 G7	1560	10.3	151	3500	> 80	3	85	> 50,000	929001584006
Fortimo SLM C 840 1203 L09 1619 G7	1610	10.3	156	4000	> 80	3	85	> 50,000	929001584106
Fortimo SLM C 850 1203 L09 1619 G7	1610	10.3	156	5000	> 80	3	85	> 50,000	929001584206
Fortimo SLM C 927 1203 L09 1619 G7	1240	10.3	120	2700	> 90	3	85	> 50,000	929001584406
Fortimo SLM C 930 1203 L09 1619 G7	1280	10.3	124	3000	> 90	3	85	> 50,000	929001584506



1216



1211



1208



1205



1204



1203



1202

# Fortimo SLM Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 827 1205 L13 2024 G7	2540	17.2	148	2700	> 80	3	85	> 50,000	929001587806
Fortimo SLM C 830 1205 L13 2024 G7	2640	17.2	154	3000	> 80	3	85	> 50,000	929001587906
Fortimo SLM C 835 1205 L13 2024 G7	2690	17.2	157	3500	> 80	3	85	> 50,000	929001588006
Fortimo SLM C 840 1205 L13 2024 G7	2750	17.2	160	4000	> 80	3	85	> 50,000	929001588106
Fortimo SLM C 850 1205 L13 2024 G7	2750	17.2	160	5000	> 80	3	85	> 50,000	929001588206
Fortimo SLM C 927 1205 L13 2024 G7	2110	17.2	123	2700	> 90	3	85	> 50,000	929001588406
Fortimo SLM C 930 1205 L13 2024 G7	2190	17.2	128	3000	> 90	3	85	> 50,000	929001588506
Fortimo SLM C 827 1208 L15 2024 G7	3800	25.4	149	2700	> 80	3	85	> 50,000	929001589806
Fortimo SLM C 830 1208 L15 2024 G7	3950	25.4	155	3000	> 80	3	85	> 50,000	929001589906
Fortimo SLM C 835 1208 L15 2024 G7	4030	25.4	159	3500	> 80	3	85	> 50,000	929001590006
Fortimo SLM C 840 1208 L15 2024 G7	4110	25.4	162	4000	> 80	3	85	> 50,000	929001590106
Fortimo SLM C 850 1208 L15 2024 G7	4120	25.4	162	5000	> 80	3	85	> 50,000	929001590206
Fortimo SLM C 857 1208 L15 2024 G7	4100	25.4	161	5700	> 80	3	85	> 50,000	929001590306
Fortimo SLM C 927 1208 L15 2024 G7	3150	25.4	124	2700	> 90	3	85	> 50,000	929001590406
Fortimo SLM C 930 1208 L15 2024 G7	3270	25.4	129	3000	> 90	3	85	> 50,000	929001590506
Fortimo SLM C 827 1211 L19 2828 G7	6110	41.6	147	2700	> 80	3	85	> 50,000	929001591806
Fortimo SLM C 830 1211 L19 2828 G7	6280	41.6	151	3000	> 80	3	85	> 50,000	929001591906
Fortimo SLM C 835 1211 L19 2828 G7	6410	41.6	154	3500	> 80	3	85	> 50,000	929001592006
Fortimo SLM C 840 1211 L19 2828 G7	6630	41.6	159	4000	> 80	3	85	> 50,000	929001592106
Fortimo SLM C 850 1211 L19 2828 G7	6630	41.6	159	5000	> 80	3	85	> 50,000	929001592206
Fortimo SLM C 857 1211 L19 2828 G7	6610	41.6	159	5700	> 80	3	85	> 50,000	929001592306
Fortimo SLM C 927 1211 L19 2828 G7	5070	41.6	122	2700	> 90	3	85	> 50,000	929001592406
Fortimo SLM C 930 1211 L19 2828 G7	5310	41.6	128	3000	> 90	3	85	> 50,000	929001592506

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 827 1216 L23 2828 G7	8030	55.0	146	2700	> 80	3	85	> 50,000	929001593806
Fortimo SLM C 830 1216 L23 2828 G7	8220	55.0	149	3000	> 80	3	85	> 50,000	929001593906
Fortimo SLM C 835 1216 L23 2828 G7	8380	55.0	152	3500	> 80	3	85	> 50,000	929001594006
Fortimo SLM C 840 1216 L23 2828 G7	8700	55.0	158	4000	> 80	3	85	> 50,000	929001594106
Fortimo SLM C 850 1216 L23 2828 G7	8710	55.0	158	5000	> 80	3	85	> 50,000	929001594206
Fortimo SLM C 857 1216 L23 2828 G7	8680	55.0	158	5700	> 80	3	85	> 50,000	929001594306
Fortimo SLM C 927 1216 L23 2828 G7	6660	55.0	121	2700	> 90	3	85	> 50,000	929001594406
Fortimo SLM C 930 1216 L23 2828 G7	6930	55.0	126	3000	> 90	3	85	> 50,000	929001594506
Fortimo SLM C 830 PW 1202 L06 1215 G7	1400	12.8	109	3000	> 80	3	85	> 50,000	929001582606
Fortimo SLM C 930 PW 1202 L06 1215 G7	1200	12.8	93	3000	> 90	3	85	> 50,000	929001582706
Fortimo SLM C 935 PW 1202 L06 1215 G7	1270	12.8	99	3500	> 90	3	85	> 50,000	929001582806
Fortimo SLM C 940 PW 1202 L06 1215 G7	1300	12.8	101	4000	> 90	3	85	> 50,000	929001582906
Fortimo SLM C 830 PW 1203 L09 1619 G7	1510	10.3	146	3000	> 80	3	85	> 50,000	929001584606
Fortimo SLM C 930 PW 1203 L09 1619 G7	1280	10.3	124	3000	> 90	3	85	> 50,000	929001584706
Fortimo SLM C 935 PW 1203 L09 1619 G7	1350	10.3	131	3500	> 90	3	85	> 50,000	929001584806
Fortimo SLM C 940 PW 1203 L09 1619 G7	1390	10.3	135	4000	> 90	3	85	> 50,000	929001584906
Fortimo SLM C 830 PW 1204 L09 1619 G7	2771	25.7	108	3000	> 80	3	75	> 50,000	929001586606
Fortimo SLM C 930 PW 1204 L09 1619 G7	2320	25.7	90	3000	> 90	3	75	> 50,000	929001586706
Fortimo SLM C 935 PW 1204 L09 1619 G7	2451	25.7	95	3500	> 90	3	75	> 50,000	929001586806
Fortimo SLM C 940 PW 1204 L09 1619 G7	2518	25.7	98	4000	> 90	3	75	> 50,000	929001586906

# Fortimo SLM Gen7

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 827 1216 L23 2828 G7	8030	55.0	146	2700	> 80	3	85	> 50,000	929001593806
Fortimo SLM C 830 1216 L23 2828 G7	8220	55.0	149	3000	> 80	3	85	> 50,000	929001593906
Fortimo SLM C 835 1216 L23 2828 G7	8380	55.0	152	3500	> 80	3	85	> 50,000	929001594006
Fortimo SLM C 840 1216 L23 2828 G7	8700	55.0	158	4000	> 80	3	85	> 50,000	929001594106
Fortimo SLM C 850 1216 L23 2828 G7	8710	55.0	158	5000	> 80	3	85	> 50,000	929001594206
Fortimo SLM C 857 1216 L23 2828 G7	8680	55.0	158	5700	> 80	3	85	> 50,000	929001594306
Fortimo SLM C 927 1216 L23 2828 G7	6660	55.0	121	2700	> 90	3	85	> 50,000	929001594406
Fortimo SLM C 930 1216 L23 2828 G7	6930	55.0	126	3000	> 90	3	85	> 50,000	929001594506
Fortimo SLM C 830 PW 1202 L06 1215 G7	1400	12.8	109	3000	> 80	3	85	> 50,000	929001582606
Fortimo SLM C 930 PW 1202 L06 1215 G7	1200	12.8	93	3000	> 90	3	85	> 50,000	929001582706
Fortimo SLM C 935 PW 1202 L06 1215 G7	1270	12.8	99	3500	> 90	3	85	> 50,000	929001582806
Fortimo SLM C 940 PW 1202 L06 1215 G7	1300	12.8	101	4000	> 90	3	85	> 50,000	929001582906
Fortimo SLM C 830 PW 1203 L09 1619 G7	1510	10.3	146	3000	> 80	3	85	> 50,000	929001584606
Fortimo SLM C 930 PW 1203 L09 1619 G7	1280	10.3	124	3000	> 90	3	85	> 50,000	929001584706
Fortimo SLM C 935 PW 1203 L09 1619 G7	1350	10.3	131	3500	> 90	3	85	> 50,000	929001584806
Fortimo SLM C 940 PW 1203 L09 1619 G7	1390	10.3	135	4000	> 90	3	85	> 50,000	929001584906
Fortimo SLM C 830 PW 1204 L09 1619 G7	2771	25.7	108	3000	> 80	3	75	> 50,000	929001586606
Fortimo SLM C 930 PW 1204 L09 1619 G7	2320	25.7	90	3000	> 90	3	75	> 50,000	929001586706
Fortimo SLM C 935 PW 1204 L09 1619 G7	2451	25.7	95	3500	> 90	3	75	> 50,000	929001586806
Fortimo SLM C 940 PW 1204 L09 1619 G7	2518	25.7	98	4000	> 90	3	75	> 50,000	929001586906

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo SLM C 830 PW 1205 L13 2024 G7	2570	17.2	150	3000	> 80	3	85	> 50,000	929001588606
Fortimo SLM C 930 PW 1205 L13 2024 G7	2190	17.2	128	3000	> 90	3	85	> 50,000	929001588706
Fortimo SLM C 935 PW 1205 L13 2024 G7	2300	17.2	134	3500	> 90	3	85	> 50,000	929001588806
Fortimo SLM C 940 PW 1205 L13 2024 G7	2360	17.2	138	4000	> 90	3	85	> 50,000	929001588906
Fortimo SLM C 830 PW 1208 L15 2024 G7	3840	25.4	151	3000	> 80	3	85	> 50,000	929001590606
Fortimo SLM C 930 PW 1208 L15 2024 G7	3270	25.4	129	3000	> 90	3	85	> 50,000	929001590706
Fortimo SLM C 935 PW 1208 L15 2024 G7	3440	25.4	135	3500	> 90	3	85	> 50,000	929001590806
Fortimo SLM C 940 PW 1208 L15 2024 G7	3530	25.4	139	4000	> 90	3	85	> 50,000	929001590906
Fortimo SLM C 830 PW 1211 L19 2828 G7	6190	41.6	149	3000	> 80	3	85	> 50,000	929001592606
Fortimo SLM C 930 PW 1211 L19 2828 G7	5310	41.6	128	3000	> 90	3	85	> 50,000	929001592706
Fortimo SLM C 935 PW 1211 L19 2828 G7	5540	41.6	133	3500	> 90	3	85	> 50,000	929001592806
Fortimo SLM C 940 PW 1211 L19 2828 G7	5720	41.6	137	4000	> 90	3	85	> 50,000	929001592906
Fortimo SLM C 830 PW 1216 L23 2828 G7	8130	55.0	148	3000	> 80	3	85	> 50,000	929001594606
Fortimo SLM C 930 PW 1216 L23 2828 G7	6930	55.0	126	3000	> 90	3	85	> 50,000	929001594706
Fortimo SLM C 935 PW 1216 L23 2828 G7	7270	55.0	132	3500	> 90	3	85	> 50,000	929001594806
Fortimo SLM C 940 PW 1216 L23 2828 G7	7470	55.0	136	4000	> 90	3	85	> 50,000	929001594906

# Fortimo SLM Gen7

## Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium & Certa LED drivers. For a detailed overview of all available indoor point drivers, pls go to the xitanium indoor point driver section at pages 41-49 or the certa indoor point driver section at pages .To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

### Product specifications

Description	COB				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23
<b>CertaDrive Mini</b>					
CertaDrive 21W/m 0.5A 42V 230V G2	√	√	√	√	√
CertaDrive 25W/m 0.6A 42V 230V G2		√	√	√	√
CertaDrive 30W/m 0.7A 42V 230V G2		√	√	√	√
CertaDrive 34W/m 0.8A 42V 230V G2		√	√	√	√
CertaDrive 40W/m 0.9A 44V 230V G2		√	√	√	√
CertaDrive 41W/m 1.05A 39V 230V G2		√	√	√	√
<b>CertaDrive Single Current G3 (low ripple)</b>					
CertaDrive 8W 0.2A 42V I 230V G2	√	√	√	√	√
CertaDrive 11W 0.25A 42V I 230V G2	√	√	√	√	√
CertaDrive 13W 0.3A 42V I 230V G2	√	√	√	√	√
CertaDrive 15W 0.35A 42V I 230V G2	√	√	√	√	√
CertaDrive 17W 0.4A 42V I 230V G2	√	√	√	√	√
CertaDrive 19W 0.45A 42V I 230V G2	√	√	√	√	√
CertaDrive 21W 0.5A 42V I 230V G2	√	√	√	√	√
CertaDrive 25W 0.6A 42V I 230V G3		√	√	√	√
CertaDrive 30W 0.7A 42V I 230V G3		√	√	√	√
CertaDrive 34W 0.8A 42V I 230V G3		√	√	√	√
CertaDrive 38W 0.9A 42V I 230V G3		√	√	√	√
CertaDrive 44W 1.05A 42V I 230V G3		√	√	√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	COB				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23
<b>CertaDrive Single Current (LPF Family)</b>					
CertaDrive 4W 0.1A 40V LPF I 230V	√	√	√	√	√
CertaDrive 6W 0.15A 40V LPF I 230V	√	√	√	√	√
CertaDrive 8W 0.2A 40V LPF I 230V	√	√	√	√	√
CertaDrive 12W 0.3A 40V LPF I 230V	√	√	√	√	√
CertaDrive 14W 0.35A 40V LPF I 230V	√	√	√	√	√
CertaDrive 16W 0.4A 40V LPF I 230V	√	√	√	√	√
CertaDrive 18W 0.45A 40V LPF I 230V	√	√	√	√	√
CertaDrive 20W 0.5A 40V LPF I 230V	√	√	√	√	√
<b>CertaDrive Track Adaptor Driver (1 circuits)</b>					
CertaDrive 10W/a 0.2/0.25A 40V 230V	√	√	√	√	√
CertaDrive 20W/a 0.35/0.5A 40V 230V	√	√	√	√	√
CertaDrive 30W/a 0.7/0.75A 40V 230V		√	√	√	√
CertaDrive 34W/a 0.8/0.85A 40V 230V		√	√	√	√
CertaDrive 41W/a 0.9/1.05A 39V 230V		√	√	√	√
<b>Xi 14W/a 0.2-0.35A 40V DS</b>					
<b>Xi 26W/a 0.5-0.65A 40V DS</b>					
<b>Xi 34W/a 0.7-0.85A 40V DS</b>					
<b>Xi 42W/a 0.9-1.05A 40V DS</b>					

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	COB				
	1203, L09	1205, L13	1208, L15	1211, L19	1216, L23
<b>Xitanium 20W 0.15-0.5A 48V</b>					
Xitanium 36W 0.3-1A 48V					
Xitanium 50W 0.7-1.5A 48V					
Xitanium 50W 0.9-1.4A 48V					
<b>Xitanium 16W/m 0.35A 46V SC 230V</b>					
Xitanium 23W/m 0.5A 46V SC 230V					
Xitanium 28W/m 0.6A 31-46V SC 230V					
Xitanium 32W/m 0.7A 46V SC 230V					
Xitanium 34W/m 0.8A 42V SC 230V					
Xitanium 38W/m 0.9A 42V SC 230V					
Xitanium 48W/m 1.05A 46V SC 230V					

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

## Fortimo SLM Holders

Fortimo LED SLM Gen7 CoBs and holders can be ordered separately. This results in even more flexibility and a more extensive product portfolio. Optimized holders are available for spot and downlight applications. For pre-cabled luminaire designs, holders with Poke-in connectors can be ordered. Every holder type is available for every CoB size. CoB compatibility is defined by the CoB size. New Zhaga Poke in holder and 35mm Poke in holder are introduced.



### Product specifications

Product Description	Type	COB Count	LES	Wire Length	Wire type	Order Code
				mm2	mm2	
FORTIMO SLM H PI 1215 35 G1	Poke in	1202	L6.5	n/a	0.3-0.75	929001538106
FORTIMO SLM H 1619 G1	Standard	1203	L09	600	0.5	929000993580
FORTIMO SLM H DL 1619 G1	Down light	1203	L09	600	0.5	929000993680
FORTIMO SLM H ZP 1619 G1	Zhaga Poke in	1203	L09	n/a	0.3-0.75	929001451980
FORTIMO SLM H PI 1619 G1	Poke in	1203	L09	n/a	0.3-0.75	929000993780
FORTIMO SLM H 2024 G1	Standard	1204, 1205, 1208	L13, L15	600	0.5	929000980703
FORTIMO SLM H DL 2024 G1	Down light	1204, 1205, 1208	L13, L15	600	0.5	929000980803
FORTIMO SLM H ZP 2024 G1	Zhaga Poke in	1204, 1205, 1208	L13, L15	n/a	0.3-0.75	929001452080
FORTIMO SLM H PI 2024 G1	Poke in	1204, 1205, 1209	L13, L15	n/a	0.3-0.75	929000980903
FORTIMO SLM H 2828 G1	Standard	1211	L19	600	0.5	929000981003
FORTIMO SLM H DL 2828 G1	Down light	1211	L19	600	0.5	929000981103
FORTIMO SLM H ZP 2828 G1	Zhaga Poke in	1211	L19	n/a	0.3-0.75	929001452180
FORTIMO SLM H PI 2828 G1	Poke in	1211, 1216	L19, L23	n/a	0.3-0.75	929000981203

### Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux SLM C 830 1201 L04 1313 G2 HD	436	3.4	129	3000	>80	3	85	>50,000	929002842506
CertaFlux SLM C 927 1201 L04 1313 G2 HD	353	3.4	104	2700	>90	3	85	>50,000	929002842606
CertaFlux SLM C 930 1201 L04 1313 G2 HD	372	3.4	110	3000	>90	3	85	>50,000	929002842706
CertaFlux SLM C 940 1201 L04 1313 G2 HD	392	3.4	116	4000	>90	3	85	>50,000	929002842806
CertaFlux SLM C 827 1201 L06 1313 G2	444	3.4	130	2700	>80	3	85	>50,000	929002835406
CertaFlux SLM C 830 1201 L06 1313 G2	469	3.4	138	3000	>80	3	85	>50,000	929002835506
CertaFlux SLM C 835 1201 L06 1313 G2	479	3.4	140	3500	>80	3	85	>50,000	929002835606
CertaFlux SLM C 840 1201 L06 1313 G2	489	3.4	143	4000	>80	3	85	>50,000	929002835706
CertaFlux SLM C 850 1201 L06 1313 G2	489	3.4	143	5000	>80	3	85	>50,000	929002835806
CertaFlux SLM C 860 1201 L06 1313 G2	489	3.4	143	6000	>80	3	85	>50,000	929002835906
CertaFlux SLM C 927 1201 L06 1313 G2	380	3.4	111	2700	>90	3	85	>50,000	929002836006
CertaFlux SLM C 930 1201 L06 1313 G2	400	3.4	117	3000	>90	3	85	>50,000	929002836106
CertaFlux SLM C 935 1201 L06 1313 G2	425	3.4	125	3500	>90	3	85	>50,000	929002836206
CertaFlux SLM C 940 1201 L06 1313 G2	425	3.4	125	4000	>90	3	85	>50,000	929002836306
CertaFlux SLM C 830 1202 L06 1313 G2 HD	904	6.8	133	3000	>80	3	85	>50,000	929002842906
CertaFlux SLM C 927 1202 L06 1313 G2 HD	732	6.8	108	2700	>90	3	85	>50,000	929002843006
CertaFlux SLM C 930 1202 L06 1313 G2 HD	766	6.8	113	3000	>90	3	85	>50,000	929002843106
CertaFlux SLM C 940 1202 L06 1313 G2 HD	816	6.8	120	4000	>90	3	85	>50,000	929002843206
CertaFlux SLM C 827 1202 L09 1515 G2	906	6.8	133	2700	>80	3	85	>50,000	929002836406
CertaFlux SLM C 830 1202 L09 1515 G2	956	6.8	140	3000	>80	3	85	>50,000	929002836506



## Certaflux SLM Gen 2

CertaFlux LED SLM is a most cost effective and affordable CoB family from Philips. With upgrade from Gen 1 to Gen 2, 8% efficacy improvement is achieved. On top of this, we extend to 2 new product lines within the family - High Density range and Vivid white range, which can help our OEM customers with more flexibility to develop their luminaires with more extensive portfolio. Flux range from 500lm - 5800lm, available in 2700K, 3000K, 3500K, 4000K, 5000K with CRI 80 and CRI90, and fully compatible with our Philips Drivers.

Please also check the online [Easy Design-in Tool](#) for your perfect system combination.

### Features

- Lumen packages from 500lm to 5800lm
- Broad portfolio in terms of CCT 2700K, 3000K, 3500K, 4000K, 5000K & CRI 80, 90 available
- Up to >140lm/W at 85°C Tc
- Extend with Vivid White as more choices for retail application
- Extend with small LES size to enable compact luminaire design
- Pre-configured system propositions both in high lm/W and lm/\$
- Large choice of drivers available, including DALI dimming
- Philips standard systems warranty applies

### Benefits

- Good quality of light for all applications
- Flexibility to optimize luminaire performance
- A reliable & flexible system proposition

### Applications

- Retail
- Hospitality
- Office

### Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux SLM C 830 1201 L04 1313 G2 HD	436	3.4	129	3000	>80	3	85	> 50,000	929002842506
CertaFlux SLM C 927 1201 L04 1313 G2 HD	353	3.4	104	2700	>90	3	85	> 50,000	929002842606
CertaFlux SLM C 930 1201 L04 1313 G2 HD	372	3.4	110	3000	>90	3	85	> 50,000	929002842706
CertaFlux SLM C 940 1201 L04 1313 G2 HD	392	3.4	116	4000	>90	3	85	> 50,000	929002842806
CertaFlux SLM C 827 1201 L06 1313 G2	444	3.4	130	2700	>80	3	85	> 50,000	929002835406
CertaFlux SLM C 830 1201 L06 1313 G2	469	3.4	138	3000	>80	3	85	> 50,000	929002835506
CertaFlux SLM C 835 1201 L06 1313 G2	479	3.4	140	3500	>80	3	85	> 50,000	929002835606
CertaFlux SLM C 840 1201 L06 1313 G2	489	3.4	143	4000	>80	3	85	> 50,000	929002835706
CertaFlux SLM C 850 1201 L06 1313 G2	489	3.4	143	5000	>80	3	85	> 50,000	929002835806
CertaFlux SLM C 860 1201 L06 1313 G2	489	3.4	143	6000	>80	3	85	> 50,000	929002835906
CertaFlux SLM C 927 1201 L06 1313 G2	380	3.4	111	2700	>90	3	85	> 50,000	929002836006

\* Module efficacy is calculated for the typical lm output. For more & latest combination, please always check the [Easy Design-in Tool](#).



# Certaflux SLM Gen 2

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux SLM C 930 1201 L06 1313 G2	400	3.4	117	3000	>90	3	85	> 50,000	929002836106
CertaFlux SLM C 935 1201 L06 1313 G2	425	3.4	125	3500	>90	3	85	> 50,000	929002836206
CertaFlux SLM C 940 1201 L06 1313 G2	425	3.4	125	4000	>90	3	85	> 50,000	929002836306
CertaFlux SLM C 830 1202 L06 1313 G2 HD	904	6.8	133	3000	>80	3	85	> 50,000	929002842906
CertaFlux SLM C 927 1202 L06 1313 G2 HD	732	6.8	108	2700	>90	3	85	> 50,000	929002843006
CertaFlux SLM C 930 1202 L06 1313 G2 HD	766	6.8	113	3000	>90	3	85	> 50,000	929002843106
CertaFlux SLM C 940 1202 L06 1313 G2 HD	816	6.8	120	4000	>90	3	85	> 50,000	929002843206
CertaFlux SLM C 827 1202 L09 1515 G2	906	6.8	133	2700	>80	3	85	> 50,000	929002836406
CertaFlux SLM C 830 1202 L09 1515 G2	956	6.8	140	3000	>80	3	85	> 50,000	929002836506
CertaFlux SLM C 835 1202 L09 1515 G2	976	6.8	143	3500	>80	3	85	> 50,000	929002836606
CertaFlux SLM C 840 1202 L09 1515 G2	995	6.8	146	4000	>80	3	85	> 50,000	929002836706
CertaFlux SLM C 850 1202 L09 1515 G2	996	6.8	146	5000	>80	3	85	> 50,000	929002836806
CertaFlux SLM C 860 1202 L09 1515 G2	996	6.8	146	6000	>80	3	85	> 50,000	929002836906
CertaFlux SLM C 927 1202 L09 1515 G2	773	6.8	113	2700	>90	3	85	> 50,000	929002837006
CertaFlux SLM C 930 1202 L09 1515 G2	812	6.8	119	3000	>90	3	85	> 50,000	929002837106
CertaFlux SLM C 935 1202 L09 1515 G2	862	6.8	126	3500	>90	3	85	> 50,000	929002837206
CertaFlux SLM C 940 1202 L09 1515 G2	862	6.8	126	4000	>90	3	85	> 50,000	929002837306
CertaFlux SLM C 827 1203 L09 1515 G2	1544	12.1	128	2700	>80	3	85	> 50,000	929002837406
CertaFlux SLM C 830 1203 L09 1515 G2	1628	12.1	135	3000	>80	3	85	> 50,000	929002837506
CertaFlux SLM C 835 1203 L09 1515 G2	1663	12.1	138	3500	>80	3	85	> 50,000	929002837606
CertaFlux SLM C 840 1203 L09 1515 G2	1697	12.1	141	4000	>80	3	85	> 50,000	929002837706
CertaFlux SLM C 850 1203 L09 1515 G2	1698	12.1	141	5000	>80	3	85	> 50,000	929002837806
CertaFlux SLM C 860 1203 L09 1515 G2	1699	12.1	141	6000	>80	3	85	>50,000	929002837906

\* Module efficacy is calculated for the typical lm output.\*For more & latest combination, please always check the [Easy Design-in Tool](#).



# Certaflux SLM Gen 2

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux SLM C 927 1203 L09 1515 G2	1314	12.1	109	2700	>90	3	85	> 50,000	929002838006
CertaFlux SLM C 930 1203 L09 1515 G2	1383	12.1	115	3000	>90	3	85	> 50,000	929002838106
CertaFlux SLM C 935 1203 L09 1515 G2	1467	12.1	122	3500	>90	3	85	> 50,000	929002838206
CertaFlux SLM C 940 1203 L09 1515 G2	1467	12.1	122	4000	>90	3	85	> 50,000	929002838306
CertaFlux SLM C 830 1204 L09 1515 G2 HD	2037	15.3	133	3000	>80	3	85	>50,000	929002843306
CertaFlux SLM C 930 1204 L09 1515 G2 HD	1730	15.3	113	3000	>90	3	85	> 50,000	929002843406
CertaFlux SLM C 940 1204 L09 1515 G2 HD	1834	15.3	120	4000	>90	3	85	> 50,000	929002843506
CertaFlux SLM C 930VW 1204L09 1515 G2HD	1730	15.3	113	3000	>90	3	85	> 50,000	929002843606
CertaFlux SLM C 827 1204 L12 1818 G2	2070	15.5	134	2700	>80	3	85	> 50,000	929002838406
CertaFlux SLM C 830 1204 L12 1818 G2	2179	15.5	141	3000	>80	3	85	> 50,000	929002838506
CertaFlux SLM C 835 1204 L12 1818 G2	2224	15.5	144	3500	>80	3	85	> 50,000	929002838606
CertaFlux SLM C 840 1204 L12 1818 G2	2269	15.5	147	4000	>80	3	85	> 50,000	929002838706
CertaFlux SLM C 850 1204 L12 1818 G2	2270	15.5	147	5000	>80	3	85	> 50,000	929002838806
CertaFlux SLM C 860 1204 L12 1818 G2	2271	15.5	147	6000	>80	3	85	> 50,000	929002838906
CertaFlux SLM C 927 1204 L12 1818 G2	1760	15.5	114	2700	>90	3	85	>50,000	929002839006
CertaFlux SLM C 930 1204 L12 1818 G2	1854	15.5	120	3000	>90	3	85	> 50,000	929002839106
CertaFlux SLM C 935 1204 L12 1818 G2	1963	15.5	127	3500	>90	3	85	> 50,000	929002839206
CertaFlux SLM C 940 1204 L12 1818 G2	1964	15.5	127	4000	>90	3	85	> 50,000	929002839306
CertaFlux SLM C 930 VW 1204 L12 1818 G2	1855	15.5	120	3000	>90	3	85	> 50,000	929002841606
CertaFlux SLM C 935 VW 1204 L12 1818 G2	1964	15.5	127	3500	>90	3	85	> 50,000	929002841706
CertaFlux SLM C 940 VW 1204 L12 1818 G2	1964	15.5	127	4000	>90	3	85	> 50,000	929002841806
CertaFlux SLM C 827 1205 L12 1818 G2	2529	18.9	134	2700	>80	3	85	>50,000	929002839406
CertaFlux SLM C 830 1205 L12 1818 G2	2662	18.9	141	3000	>80	3	85	> 50,000	929002839506
CertaFlux SLM C 835 1205 L12 1818 G2	2717	18.9	144	3500	>80	3	85	> 50,000	929002839606

\* Module efficacy is calculated for the typical lm output. \*For more & latest combination, please always check the [Easy Design-in Tool](#).



# Certaflux SLM Gen 2

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux SLM C 840 1205 L12 1818 G2	2772	18.9	146	4000	>80	3	85	> 50,000	929002839706
CertaFlux SLM C 850 1205 L12 1818 G2	2773	18.9	147	5000	>80	3	85	> 50,000	929002839806
CertaFlux SLM C 860 1205 L12 1818 G2	2775	18.9	147	6000	>80	3	85	> 50,000	929002839906
CertaFlux SLM C 927 1205 L12 1818 G2	2151	18.9	114	2700	>90	3	85	> 50,000	929002840006
CertaFlux SLM C 930 1205 L12 1818 G2	2260	18.9	119	3000	>90	3	85	> 50,000	929002840106
CertaFlux SLM C 935 1205 L12 1818 G2	2398	18.9	127	3500	>90	3	85	> 50,000	929002840206
CertaFlux SLM C 940 1205 L12 1818 G2	2399	18.9	127	4000	>90	3	85	> 50,000	929002840306
CertaFlux SLM C 950 1205 L12 1818 G2	2400	18.9	127	5000	>90	3	85	> 50,000	929002840406
CertaFlux SLM C 930 VW 1205 L12 1818 G2	2261	18.9	119	3000	>90	3	85	> 50,000	929002841906
CertaFlux SLM C 935 VW 1205 L12 1818 G2	2399	18.9	127	3500	>90	3	85	>50,000	929002842006
CertaFlux SLM C 940 VW 1205 L12 1818 G2	2400	18.9	127	4000	>90	3	85	>50,000	929002842106
CertaFlux SLM C 827 1208 L14 1818 G2	3782		139	2700	>80	3	85	>50,000	929002840506
CertaFlux SLM C 830 1208 L14 1818 G2	3980		146	3000	>80	3	85	> 50,000	929002840606
CertaFlux SLM C 835 1208 L14 1818 G2	4060		149	3500	>80	3	85	> 50,000	929002840706
CertaFlux SLM C 840 1208 L14 1818 G2	4144		152	4000	>80	3	85	> 50,000	929002840806
CertaFlux SLM C 850 1208 L14 1818 G2	4146		152	5000	>80	3	85	> 50,000	929002840906
CertaFlux SLM C 860 1208 L14 1818 G2	4148		152	6000	>80	3	85	> 50,000	929002841006
CertaFlux SLM C 927 1208 L14 1818 G2	3216		118	2700	>90	3	85	> 50,000	929002841106
CertaFlux SLM C 930 1208 L14 1818 G2	3384		124	3000	>90	3	85	> 50,000	929002841206
CertaFlux SLM C 935 1208 L14 1818 G2	3582		131	3500	>90	3	85	> 50,000	929002841306
CertaFlux SLM C 940 1208 L14 1818 G2	3583		131	4000	>90	3	85	> 50,000	929002841406
CertaFlux SLM C 950 1208 L14 1818 G2	3585		131	5000	>90	3	85	>50,000	929002841506
CertaFlux SLM C 930 VW 1208 L14 1818 G2	3384		124	3000	>90	3	85	>50,000	929002842206
CertaFlux SLM C 935 VW 1208 L14 1818 G2	3583		131	3500	>90	3	85	> 50,000	929002842306
CertaFlux SLM C 940 VW 1208 L14 1818 G2	3583		131	4000	>90	3	85	> 50,000	929002842406

\* Module efficacy is calculated for the typical lm output. \*For more & latest combination, please always check the [Easy Design-in Tool](#).



# Certaflux SLM Gen 2

## Compatible LED Drivers

The Fortimo LED SLM portfolio is compatible with multiple Xitanium LED drivers. Xitanium LED drivers are available as a built-in or independent driver, dimmable or with a fixed output. For a detailed overview of all available Xitanium indoor point drivers, please go to the Xitanium indoor point driver section at pages 41-49. To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED SLM.

### Product specifications

Description	COB					
	1201	1202	1203	1204	1205	1208
<b>CertaDrive Mini</b>						
CertaDrive 21W/m 0.5A 42V 230V G2			√		√	√
CertaDrive 25W/m 0.6A 42V 230V G2			√		√	√
CertaDrive 30W/m 0.7A 42V 230V G2			√		√	√
CertaDrive 34W/m 0.8A 42V 230V G2					√	√
CertaDrive 40W/m 0.9A 44V 230V G2					√	√
CertaDrive 41W/m 1.05A 39V 230V G2					√	√
<b>CertaDrive Single Current G3 (low ripple)</b>						
CertaDrive 8W 0.2A 42V I 230V G2			√		√	√
CertaDrive 11W 0.25A 42V I 230V G2			√		√	√
CertaDrive 13W 0.3A 42V I 230V G2			√		√	√
CertaDrive 15W 0.35A 42V I 230V G2			√		√	√
CertaDrive 17W 0.4A 42V I 230V G2			√		√	√
CertaDrive 19W 0.45A 42V I 230V G2			√		√	√
CertaDrive 21W 0.5A 42V I 230V G2			√		√	√
CertaDrive 25W 0.6A 42V I 230V G3			√		√	√
CertaDrive 30W 0.7A 42V I 230V G3			√		√	√
CertaDrive 34W 0.8A 42V I 230V G3					√	√
CertaDrive 38W 0.9A 42V I 230V G3					√	√
CertaDrive 44W 1.05A 42V I 230V G3					√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	COB					
	1201	1202	1203	1204	1205	1208
<b>CertaDrive Single Current (LPF Family)</b>						
CertaDrive 4W 0.1A 40V LPF I 230V			√		√	√
CertaDrive 6W 0.15A 40V LPF I 230V			√		√	√
CertaDrive 8W 0.2A 40V LPF I 230V			√		√	√
CertaDrive 12W 0.3A 40V LPF I 230V			√		√	√
CertaDrive 14W 0.35A 40V LPF I 230V			√		√	√
CertaDrive 16W 0.4A 40V LPF I 230V			√		√	√
CertaDrive 18W 0.45A 40V LPF I 230V			√		√	√
CertaDrive 20W 0.5A 40V LPF I 230V			√		√	√
<b>CertaDrive Track Adaptor Driver (1 circuits)</b>						
CertaDrive 10W/a 0.2/0.25A 40V 230V			√		√	√
CertaDrive 20W/a 0.35/0.5A 40V 230V			√		√	√
CertaDrive 30W/a 0.7/0.75A 40V 230V			√		√	√
CertaDrive 34W/a 0.8/0.85A 40V 230V					√	√
CertaDrive 41W/a 0.9/1.05A 39V 230V					√	√
<b>Xi</b>						
Xi 14W/a 0.2-0.35A 40V DS			√		√	√
Xi 26W/a 0.5-0.65A 40V DS			√		√	√
Xi 34W/a 0.7-0.85A 40V DS			√		√	√
Xi 42W/a 0.9-1.05A 40V DS					√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

### Product specifications

Description	COB					
	1201	1202	1203	1204	1205	1208
Xitanium 20W 0.15-0.5A 48V			√		√	√
Xitanium 36W 0.3-1A 48V			√		√	√
Xitanium 50W 0.7-1.5A 48V			√		√	√
Xitanium 50W 0.9-1.4A 48V					√	√
<b>Xitanium SC</b>						
Xitanium 16W/m 0.35A 46V SC 230V			√		√	√
Xitanium 23W/m 0.5A 46V SC 230V			√		√	√
Xitanium 28W/m 0.6A 31-46V SC 230V			√		√	√
Xitanium 32W/m 0.7A 46V SC 230V			√		√	√
Xitanium 34W/m 0.8A 42V SC 230V					√	√
Xitanium 38W/m 0.9A 42V SC 230V					√	√
Xitanium 48W/m 1.05A 46V SC 230V					√	√

\*For more & latest combination, please always check the [Easy Design-in Tool](#).

## Certaflux SLM Holders

Certaflux SLM holders will further enhance easy design for our certaflux SLM CoB family. Optimized and compacted designed holders with reliable performance can enhance more flexible design. It also provides upto 3 year warranty with Certaflux SLM CoB + Holders.

### Product specifications

Product Description	Type	COB Count	LES	Order Code	Diameter
Certaflux SLM H PI 1313	Poke in	1201	L06/L04	929001431680	30mm
Certaflux SLM H PI 1515	Poke in	1202/1203	L06/L09	929001431780	32mm
Certaflux SLM H PI 1818	Poke in	1204/1205/1208	L12/L14	929001431880	35mm
Certaflux SLM H 1818	Wiring	1204/1205/1208	L12/L14	929001431980	35mm



# Downlight Modules



## Fortimo DLM Flex Gen2

Being the trend setter in high performance LED downlighting with the Fortimo DLM range, Philips introduced the next generation of the Fortimo LED DLM Flex family. Being backwards compatible with the previous generation, Fortimo LED DLM Flex Gen2 enables further optimization of existing as well as new flexible downlight luminair designs.

### Features

- Range of 1100 to 5000lm
- Offer includes PCB only version, shallow housing and high housing
- Compatible with both high performance, full flexibility window drivers and high value-for-money CertaDrive drivers
- Backwards compatibility and up to 162lm/W at an improved Tc of 75°C
- Better glare performance vs CoB solutions

### Benefits

- Full flexibility and design freedom based on a full portfolio
- Easy design-in based on outstanding efficiencies & high robustness
- High quality of light
- A reliable & flexible system proposition offering peace of mind

### Applications

- Offices
- Public buildings
- Hospitality
- Retail

### Product specifications

Product Description	Light Output	Module Efficacy @ Low-housing	Module Efficacy @ High-housing	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Order Code
	lm	lm/W	lm/W	K	Ra	SDCM	°C	hrs	
FORTIMO LED DLM FLEX 1100/830 GEN2	1100	115	93	3000	> 80	3	75	> 50,000	929001503880
FORTIMO LED DLM FLEX 1100/840 GEN2	1100	127	104	4000	> 80	3	75	> 50,000	929001503980
FORTIMO LED DLM FLEX 1100/850 GEN2	1100	127	104	5000	> 80	3	75	> 50,000	929001508380
FORTIMO LED DLM FLEX 1100/865 GEN2	1100	127	104	6500	> 80	3	75	> 50,000	929001504080
FORTIMO LED DLM FLEX 2000/830 GEN2	2000	113	91	3000	> 80	3	75	> 50,000	929001504180
FORTIMO LED DLM FLEX 2000/840 GEN2	2000	125	102	4000	> 80	3	75	> 50,000	929001504280
FORTIMO LED DLM FLEX 2000/850 GEN2	2000	125	102	5000	> 80	3	75	> 50,000	929001508480
FORTIMO LED DLM FLEX 2000/865 GEN2	2000	125	102	6500	> 80	3	75	> 50,000	929001504380
FORTIMO LED DLM FLEX 3000/830 GEN2	3000	115	94	3000	> 80	3	75	> 50,000	929001504480
FORTIMO LED DLM FLEX 3000/840 GEN2	3000	127	105	4000	> 80	3	75	> 50,000	929001504580
FORTIMO LED DLM FLEX 3000/850 GEN2	3000	127	105	5000	> 80	3	75	> 50,000	929001508580
FORTIMO LED DLM FLEX 3000/865 GEN2	3000	127	105	6500	> 80	3	75	> 50,000	929001504680
FORTIMO LED DLM FLEX 5000/830 GEN2	5000	110	88	3000	> 80	3	75	> 50,000	929001504780
FORTIMO LED DLM FLEX 5000/840 GEN2	5000	122	99	4000	> 80	3	75	> 50,000	929001504880
FORTIMO LED DLM FLEX 5000/850 GEN2	5000	122	99	5000	> 80	3	75	> 50,000	929001508680
FORTIMO LED DLM FLEX 5000/865 GEN2	5000	122	99	6500	> 80	3	75	> 50,000	929001504980
Fortimo LED DLM Flex Cover Shallow housing									929000908506
Fortimo LED DLM Flex High Cover High housing									929000927806
Fortimo LED DLM Flex cable 600mm Cable									929000910706

\* Module efficacy is calculated for the typical lm output. \*For more & latest combination, please always check the [Easy Design-in Tool](#).





# Fortimo DLM Flex Gen2

## Compatible LED Drivers

The Fortimo LED DLM portfolio is compatible with multiple Xitanium LED drivers. Xitanium LED drivers are available as a builtin or independent driver, dimmable or with a fixed output. For a detailed overview of all available Xitanium indoor point drivers, please go to the Xitanium indoor point driver section at pages 41-49. To find the best driver module combination for your application, the Easy Design-in Tool is available via [philips.com/technology](https://philips.com/technology). Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED DLM.

### Product specifications

Product Description	1100lm	2000lm	3000lm	5000lm
<b>Smart Point LED Drivers</b>				
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√	√		
Xitanium 36W/m 0.3-1.05A 54V TD 230V	√	√	√	√
Xitanium 36W WH 0.3-1A 48V TD/Is 230V	√	√	√	√
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V			√	√
<b>Fixed Point LED Drivers</b>				
Xitanium 20W WH 0.15-0.5A 54V Is	√	√		
Xitanium 20W WH 0.15-0.5A 54V S	√	√		
Xitanium 20W/m 0.15-0.5A 48V 230V	√	√		
Xitanium 20W/m 0.15-0.5A 54V 230V	√	√		
Xitanium 36W/m 0.3-1.05A 48V 230V	√	√	√	√
Xitanium 36W WH 0.3-1.05A 54V Is	√	√	√	√
Xitanium 36W WH 0.3-1.05A 54V S	√	√	√	√
Xitanium 36W/m 0.3-1.05A 54V 230V	√	√	√	√
Xitanium 43W/m 0.7-1.2A 54V 230V			√	√
Xitanium 50W WH 0.7-1.5A 54V Is			√	√
Xitanium 50W/m 0.7-1.5A 54V 230V			√	√
Xitanium 50W/m 0.7-1.5A 48V 230V			√	√
Xitanium 50W WH 0.7-1.5A 54V S			√	√

\* Check the Xitanium indoor point driver portfolio on pages 41-49 for all available drivers with the operating window you need.

### Product specifications

Product Description	1100lm	2000lm	3000lm	5000lm
<b>Fixed Peak Point LED Drivers</b>				
CertaDrive 15W 0.35A 42V I 230V	√			
CertaDrive 20W 0.5A 40V I 230V		√		
CertaDrive 30W 0.7A 42V I 230V G2			√	
CertaDrive 44W 1.05A 42V I 230V G2				√
Xitanium 15W 0.35A 42V I 230V	√			
Xitanium 21W 0.5A 42V I 230V		√		
Xitanium 32W 0.7/0.75A 42V I 230V G2			√	
Xitanium 44W 1.0/1.05A 42V I 230V G2				√

\* Check the Xitanium indoor point driver portfolio on pages 41-49 for all available drivers with the operating window you need.

## Fortimo DLM Ease Select Gen2

Fortimo DLM EaseSelect is a high performance driver on board (DoB) solution, delivering an excellent quality of light with low flicker. Having an integrated driver and the same mechanical footprint as existing DLM solutions (DLM Flex), enables easy and hassle free design-in. The Fortimo brand promise brings with it the assurance of quality, reliability and performance. [Comparing to Gen1, Fortimo DLM ES Gen2 has improved in Output current ripple \(Max 4%\)](#)

### Features

- **Low flicker (Max 4% for output current Ripple)**
- Ease of design - in
- Cost-effective solution
- High system Lm/W of 116 for high end project needs
- Long life-time: 50,000 hours
- Excellent color consistency of 3 SDCM
- Full portfolio with all typical downlight lumen packages (1100 lm, 2000 lm, 3000 lm) and different CCTs (3000K, 4000K)

### Benefits

- Excellent cost-performance
- Suitable for compact heat sink designs
- Long lasting
- Covers all downlight applications and ambiance needs
- Simple and easy to maintain

### Applications

- Offices
- Public buildings
- Retail

### Product specifications

Product Description	Light Output @ Typical	Module Power @ 230V	Module Efficacy @ Typical	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo DLM ES 1100/830 G2	1080	9.5	114	3000	> 80	3	70	> 50,000	929001435506
Fortimo DLM ES 1100/840 G2	1100	9.5	116	4000	> 80	3	70	> 50,000	929001435606
Fortimo DLM ES 2000/830 G2	1930	17.5	110	3000	> 80	3	70	> 50,000	929001435706
Fortimo DLM ES 2000/840 G2	2000	17.5	114	4000	> 80	3	70	> 50,000	929001435806
Fortimo DLM ES 3000/830 G2	2850	26.5	108	3000	> 80	3	70	> 50,000	929001435906
Fortimo DLM ES 3000/840 G2	3000	26.5	113	4000	> 80	3	70	> 50,000	929001436006



## Fortimo DLM R111

Being the trend setter in high performance LED downlighting with the Fortimo DLM range, Philips introduced the next generation of the Fortimo LED DLM Flex family. Being backwards compatible with the previous generation, Fortimo LED DLM Flex Gen2 enables further optimization of existing as well as new flexible downlight luminaire designs.

### Features

- Low flicker (Max 4% for output current Ripple)
- Integrated with heatsink and ue-for-money CertaDrive drivers
- Backwards compatibility and up to 162lm/W at an improved Tc of 75°C
- Better glare performance vs CoB solutions
- CRI >80 and perfect colour stability over lifetime

### Benefits

- Full flexibility and design freedom based on a full portfolio
- Easy design-in based on outstanding efficiencies & high robustness
- High quality of light
- A reliable & flexible system proposition offering peace of mind

### Applications

- Offices
- Public buildings
- Hospitality
- Retail

### Product specifications

Product Description	Light Output	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Order Code
	lm	lm/W	K	Ra	SDCM	°C	hrs	
Fortimo DLM R111 2000lm 927 24D	2170	103	2700	> 90	3	80	> 50,000	929002806006
Fortimo DLM R111 2000lm 930 PW 24D	2250	107	3000	> 90	3	80	> 50,000	929002806106
Fortimo DLM R111 2000lm 940 PW 24D	2470	117	4000	> 90	3	80	> 50,000	929002806206
Fortimo DLM R111 2000lm 927 36D	2190	104	2700	> 90	3	80	> 50,000	929002806306
Fortimo DLM R111 2000lm 930 PW 36D	2270	107	3000	> 90	3	80	> 50,000	929002806406
Fortimo DLM R111 2000lm 940 PW 36D	2480	117	4000	> 90	3	80	> 50,000	929002806506
Fortimo DLM R111 2000lm 927 60D	2190	104	2700	> 90	3	80	> 50,000	929002806606
Fortimo DLM R111 2000lm 930 PW 60D	2270	107	3000	> 90	3	80	> 50,000	929002806706
Fortimo DLM R111 2000lm 940 PW 60D	2480	117	4000	> 90	3	80	> 50,000	929002806806
Fortimo DLM R111 3000lm 930 PW 24D	3130	113	3000	> 90	3	80	> 50,000	929002807106
Fortimo DLM R111 3000lm 940 PW 24D	3330	120	4000	> 90	3	80	> 50,000	929002807206
Fortimo DLM R111 3000lm 930 PW 36D	3160	114	3000	> 90	3	80	> 50,000	929002807306
Fortimo DLM R111 3000lm 940 PW 36D	3360	121	4000	> 90	3	80	> 50,000	929002807406
Fortimo DLM R111 3000lm 930 PW 60D	3160	114	3000	> 90	3	80	> 50,000	929002807506
Fortimo DLM R111 3000lm 940 PW 60D	3360	121	4000	> 90	3	80	> 50,000	929002807606
Fortimo DLM R111 4000lm 930 PW 24D	4290	119	3000	> 90	3	80	> 50,000	929002807706
Fortimo DLM R111 4000lm 940 PW 24D	4670	129	4000	> 90	3	80	> 50,000	929002807806
Fortimo DLM R111 4000lm 930 PW 36D	3790	105	3000	> 90	3	80	> 50,000	929002807906
Fortimo DLM R111 4000lm 940 PW 36D	4120	114	4000	> 90	3	80	> 50,000	929002808006
Fortimo DLM R111 4000lm 930 PW 60D	3840	106	3000	> 90	3	80	> 50,000	929002808106

\* Module efficacy is calculated for the typical lm output. For more & latest combination, please always check the [Easy Design-in Tool](#).

### Compatible LED Drivers

Product Description	2000lm	3000lm	4000lm
CertaDrive 25W/m 0.6A 42V 230V G2	√		
CertaDrive 41W/m 1.05A 39V 230V G2			√
Xitanium 36W 0.8/0.85A 42V I 230V		√	
Xitanium 27W 0.6/0.65A 42V I 230V	√		
Xitanium 44W 1.0/1.05A 42V I 230V			√
Xitanium 28W/m 0.6A 46V SC 230V	√		
Xitanium 34W/m 0.8A 42V SC 230V		√	
CertaDrive 34W/m 0.8A 42V 230V		√	
Xitanium 48W/m 1.05A 46V SC 230V			√
Xitanium 23W 0.15-0.7A 38V 230V	√		
Xitanium 36W/m 0.15-1.05A 48V MC 230V	√	√	√

\* Check the Xitanium indoor point driver portfolio on pages 41-49 for all available drivers with the operating window you need.



## Certaflux DLM Slim

Certaflux DLM Slim module provides a very easy to use solution for downlight application with affordable cost but no sacrifice on light quality. The module is integratd with optical and heatsink which help to make the produc extremely easy to use. Optimized diffuser gives uniform light. Whole portfolio is fully compatilbe with Philips Drivers and with high flexibility in lm/w and \$/W. 6500K is added in the family.

### Features

- Provides 600lm/1000lm/2000lm lum package
- Optimized diffuser provides good uniformity
- Up to 130lm/W @ module level
- CRI >80 and good colour stability over lifetime
- Fully compatible with Philips Certa Drivers
- Color temperatures: 3000K, 4000K, 5000K,6500K

### Benefits

- Easy to Use
- Flexible in Flux package with different combination with different drivers
- Good light of Quality

### Applications

- Offices
- Public buildings
- Hospitality
- Retail

### Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux DLM Slim 600lm 830 4" G2	670	6.6	102	-3000	> 80	6	70	> 25,000	929003389780
CertaFlux DLM Slim 600lm 840 4" G2	690	6.6	105	-4000	> 80	6	70	> 25,000	929003389880
CertaFlux DLM Slim 600lm 850 4" G2	690	6.6	105	-5000	> 80	6	70	> 25,000	929003389980
CertaFlux DLM Slim 600lm 865 4" G2	690	6.6	105	-6500	> 80	6	70	> 25,000	929003390080
CertaFlux DLM Slim 1000lm 830 4" G2	1120	9.8	115	-3000	> 80	6	80	> 25,000	929003390180
CertaFlux DLM Slim 1000lm 840 4" G2	1150	9.8	118	-4000	> 80	6	80	> 25,000	929003390280
CertaFlux DLM Slim 1000lm 850 4" G2	1150	9.8	118	-5000	> 80	6	80	> 25,000	929003390380
CertaFlux DLM Slim 1000lm 865 4" G2	1150	9.8	118	-6500	> 80	6	80	> 25,000	929003390480
CertaFlux DLM Slim 1000lm 830 6" G2	1200	9.9	121	-3000	> 80	6	65	> 25,000	929003390580
CertaFlux DLM Slim 1000lm 840 6" G2	1260	9.9	127	-4000	> 80	6	65	> 25,000	929003390680
CertaFlux DLM Slim 1000lm 850 6" G2	1260	9.9	127	-5000	> 80	6	65	> 25,000	929003390780
CertaFlux DLM Slim 1000lm 865 6" G2	1260	9.9	127	-6500	> 80	6	65	> 25,000	929003390880
CertaFlux DLM Slim 2000lm 830 6" G2	2070	16.3	127	-3000	> 80	6	75	> 25,000	929003390980

\* Module Light output and efficacy is calculated @ typical. Measurement precision for flux +/-5%, Measurement precision for efficacy +/- 6%.For more detailed specifications (including lifetime) please approach local sales team.



4 inch



6 inch



8w inch

# Certaflux DLM Slim

## Product specifications

Product Description	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Order Code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	
CertaFlux DLM Slim 2000lm 840 6" G2	2140	16.3	132	-4000	> 80	6	75	> 25,000	929003391080
CertaFlux DLM Slim 2000lm 850 6" G2	2140	16.3	132	-5000	> 80	6	75	> 25,000	929003391180
CertaFlux DLM Slim 2000lm 865 6" G2	2140	16.3	132	-6500	> 80	6	75	> 25,000	929003391280
CertaFlux DLM Slim 2000lm 830 8" G2	2150	16.3	132	-3000	> 80	6	70	> 25,000	929003391380
CertaFlux DLM Slim 2000lm 840 8" G2	2210	16.3	136	-4000	> 80	6	70	> 25,000	929003391480
CertaFlux DLM Slim 2000lm 850 8" G2	2210	16.3	136	-5000	> 80	6	70	> 25,000	929003391580
CertaFlux DLM Slim 2000lm 865 8" G2	2210	16.3	136	-6500	> 80	6	70	> 25,000	929003391680

\* Module Light output and efficacy is calculated @ typical. Measurement precision for flux +/-5%, Measurement precision for efficacy +/- 6%.For more detailed specifications (including lifetime) please approach local sales team.

## Compatible LED Drivers

The Certaflux DLM Slim is compatible with multiple CertaLED drivers. For more details, please approach local sales team.

## Product specifications

Product Description	600lm 4"	1000lm 4"	1000lm 6"	2000lm 6"	2000lm 8"
CertaDrive 6W 0.15A 40V LPF I 230V	√				
CertaDrive 8W 0.2A 40V LPF I 230V	√				
CertaDrive 11W 0.25A 42V I 230V	√				
CertaDrive 10W 0.25A 40V LPF I 230V	√				
CertaDrive 17W 0.4A 42V I 230V		√	√		
CertaDrive 14W 0.35A 40V LPF I 230V		√	√		
CertaDrive 21W 0.5A 42V I 230V			√	√	√
CertaDrive 20W 0.5A 40V LPF I 230V			√	√	√
CertaDrive 30W 0.7A 42V I 230V				√	√

\* For latest compatialbe driver list, please always help to check with local sales team.

## Product specifications

Product Description	600lm 4"	1000lm 4"	1000lm 6"	2000lm 6"	2000lm 8"
CertaDrive 30W/m 0.7A 42V 230V				√	√
CertaDrive 21W 0.5A 42V I 230V		√	√	√	
CertaDrive 30W 0.7A 42V I 230V			√	√	√
CertaDrive 20W 0.5A 40V LPF I 230V		√	√		
Xitanium 20W WH 0.15 -0.5A 54V TD/Is 230V	√	√	√	√	√
Xitanium 36W WH 0.3-1A 54V TD/Is 230V		√	√	√	√
Xitanium 36W/m 0.3-1.05A 54V TD 230V			√	√	√

\* For latest compatialbe driver list, please always help to check with local sales team.

# Linear Drivers

Create the office of the future



## Xitanium Programmable SR

Xitanium SR drivers are at the heart of any connected indoor lighting system. These intelligent, SR drivers standardize the connection between driver and sensor, eliminating the need for separate components or modules and ensuring compatibility. Our Xitanium LED linear LED SR drivers not only provide power conversion for LED lighting, but they also feature integrated power supplies and energy metering, enabling users to deliver actionable operational data such as energy consumption. Equally beneficial are the integrated sensor controllers, which provide daylight harvesting and occupancy patterns to a building management system, without the need for additional external components. Collectively they help bring connectivity and expanded functionality to luminaires.

### Product specifications

Sub Family	Description	isolate /non-isolate	Adjustable Output Current	Output Power range(W)	Output Current (A)	Output Voltage(V)	Uout max (V)	Dimensions (mm)	Dimming	Order Code
SR non-isolated	Xitanium 35W 0.08-0.35A 220V SR 230V G2	non-isolate	MultiOne, SimpleSet	0.1...35	0.08...0.35	50...220	180	360x30x21	SR, D4i	929003410506
	Xitanium 60W 0.08-0.35A 300V SR 230V G2	non-isolate	MultiOne, SimpleSet	0.2...60	0.08...0.35	100...300	250	360x30x21	SR, D4i	929003410706
	Xitanium 60W 0.15-0.5A 220V SR 230V G2	non-isolate	MultiOne, SimpleSet	0.15...60	0.15...0.5	50...220	330	360x30x21	SR, D4i	929003410606
	Xitanium 90W 0.25-0.7A 220V SR 230V G2	non-isolate	MultiOne, SimpleSet	0.2...90	0.25...0.7	50...220	250	360x30x21	SR, D4i	929003410806
SR non-isolated ixt	Xitanium 100W 0.15-0.5A 300V iXt SR 230V	non-isolate	MultiOne, SimpleSet, LEDSet	28...100	0.15...0.5	100...300	330	425x30x21	SR, D4i	929001695706
	Xitanium 150W 0.2-0.7A 300V iXt SR 230V	non-isolate	MultiOne, SimpleSet, LEDSet	43...150	0.2...0.7	100...300	330	425x30x21	SR, D4i	929001695806
SR non-iso FlexTune	Xiantium 36W 0.08-0.4A 220V SR FlexTune 230V	non-isolate	MultiOne, SimpleSet	10...36	0.08...0.4	50...220	250	360x30x21	Dali & Touch Dim, SR, D4i	929001693706
	Xitanium 75W 0.15-0.7A 220V SR FlexTune 230V	non-isolate	MultiOne, SimpleSet	21...75	0.15...0.7	50...220	250	360x30x21	Dali & Touch Dim, SR, D4i	929001693806
SR isolated	Xitanium 36W 0.3-1.0A 54V SR 230V G2	isolate	MultiOne, SimpleSet	10...36	0.3...1.0	27...54	60	360x30x21	SR, D4i	929002933606
	Xitanium 75W 0.7-2.0A 54V SR 230V G2	isolate	MultiOne, SimpleSet	21...75	0.7...2.0	27...54	60	360x30x21	SR, D4i	929002933706

### Product specifications

Family Name	Description	Input power (W)	Stand-by Power(W)	Program Interface	Dimensions (mm)	Order code
SR Bridge	Xitanium SR Bridge built in	402	<0.5	SR, MultiOne	204x30x21	929003423706
SR Bridge	Xitanium SR Bridge independent	402	<0.5	SR, MultiOne	228x30x21	929003423806



# Xitanium Programmable

Xitanium linear Programmable drivers are ideal for professional general lighting applications. The range includes MasterConnect, DALI dimmable and programmable, non-dimmable Simple set (NFC) versions. They offer high efficiency, good quality of light and full flexibility. The new generation of 16mm DALI drivers offer ultimate performance. They comply with the latest DiiA standards, including implementation of the new DALI parts related to data. Configuring the drivers can be done quickly and wirelessly with SimpleSet. The new 21 mm DALI drivers and Simple set G2 offer the best value for money.

## Features

- Dimmable and Programmable
- MC drivers can work standalone or with sensor, switch and MC app and is upgradable to cloud solutions (IoT) with a gateway
- Latest DiiA standards, including implementation of standardized memory banks (DALI parts 251, 252 and 253).
- iXt (Industry Extreme) LED-drivers have a Longer life time (100khrs), improved surge and burst (4kV) and Tambient (-40°C to +60°C) specifications

## Benefits

- Dali 2.0 enables wired digital controls
- Provides options for different luminaire designs
- Energy saving
- Comfortable for the eyes
- Selectable output current enables flexibility and SKU reduction
- Peace of mind with proven reliability

## Applications

- Trunking lighting
- Waterproof lighting
- Recessed, surface and suspended linear lighting

## Product specifications

Sub Family	Family Name	Description	Adjustable Output Current	Output Power(W)	Output Voltage(V)	Uout max (V)	Output Current (A)	Dimensions (mm)	Dimming	Order Code
Non-isolated Wireless	MC21	Xitanium 35W 0.08-0.35A 220V MC21 230V	SimpleSet, Wireless	10...35	50...220	250	0.08...0.35	280x30x21	MasterConnect	929001693906
	MC21	Xitanium 60W 0.15-0.5A 220V MC21 230V	SimpleSet, Wireless	17...60	50...220	250	0.15...0.5	280x30x21	MasterConnect	929001694006





# Xitanium Programmable

## Product specifications

Sub Family	Family Name	Description	Adjustable Output Current	Output Power(W)	Output Voltage(V)	Uout max (V)	Output Current (A)	Dimensions (mm)	Dimming	Order Code
Non-isolated Dali Driver	TD 21+Simple set	Xitanium 90W 0.25-0.7A 220V TD21 S 230V	MultiOne, LEDset, SimpleSet	25...90	50...220	250	0.25...0.7	280x30x21	Dali & Touch Dim	929001694806
	TD 21+Simple set	Xitanium 90W 0.15-0.5A 300V TD21 S 230V	MultiOne, LEDset, SimpleSet	25...90	100...300	330	0.15...0.5	280x30x21	Dali & Touch Dim	929001694906
	TD 11	Xitanium 35W 0.08-0.35A 220V TD11 230V	MultiOne, SimpleSet, LEDSet	10...35	50...220	250	0.08...0.35	280x30x11	Dali & Touch Dim	929001696706
	TD 11	Xitanium 60W 0.15-0.50A 220V TD11 230V	MultiOne, SimpleSet, LEDSet	17...60	50...220	250	0.15...0.5	280x30x11	Dali & Touch Dim	929001627606
	TD 11	Xitanium 60W 0.15-0.5A 220V TD11 230V	MultiOne, SimpleSet, LEDSet	17...60	50...220	250	0.15...0.5	280x30x11	Dali & Touch Dim	929001696806
	TD 16	Xitanium 35W 0.08-0.35A 220V TD16 230V	MultiOne, SimpleSet, LEDSet	10...35	50...220	250	0.08...0.35	280x30x16	Dali & Touch Dim	929001681406
	TD 16	Xitanium 60W 0.08-0.35A 300V TD16 230V	MultiOne, SimpleSet, LEDSet	17...60	100...300	330	0.08...0.35	280x30x16	Dali & Touch Dim	929001681506
	TD 16	Xitanium 60W 0.15-0.5A 220V TD16 230V	MultiOne, SimpleSet, LEDSet	17...60	50...220	250	0.15...0.5	280x30x16	Dali & Touch Dim	929001681606
	TD 16	Xitanium 100W 0.25-0.7A 220V TD16 230V	MultiOne, SimpleSet, LEDSet	28...100	50...220	250	0.25...0.7	360x30x16	Dali & Touch Dim	929001547306
	TD 21	Xitanium 35W 0.08-0.35A 220V TD21 230V	MultiOne, LEDSet	10...35	50...220	250	0.08...0.35	280x30x21	Dali & Touch Dim	929001681706
	TD 21	Xitanium 60W 0.08-0.35A 300V TD21 230V	MultiOne, LEDSet	17...60	100...300	330	0.08...0.35	280x30x21	Dali & Touch Dim	929001681806
	TD 21	Xitanium 60W 0.15-0.5A 220V TD21 230V	MultiOne, LEDSet	17...60	50...220	250	0.15...0.5	280x30x21	Dali & Touch Dim	929001681906
	TD 21	Xitanium 75W 0.12-0.4A 215V TD 230V	MultiOne, LEDSet	21...75	100...215	275	0.12...0.4	360x30x22	Dali & Touch Dim	929000852103
	TD 21	Xitanium 90W 0.25-0.7A 220V TD21 230V	MultiOne, LEDset	25...90	50...220	250	0.25...0.7	280x30x21	Dali & Touch Dim	929001694706
	Isolated Dali Driver	TD 21 G1	Xitanium 18W 0.1-0.5A 54V TD 230V	MultiOne, SimpleSet	6...18	24...54	60	0.1...0.5	210x30x21	Dali & Touch Dim
TD 21 G1		Xitanium 36W 0.3-1A 54V TD 230V	MultiOne, SimpleSet, LEDSet	10...36	27...54	60	0.3...1.0	360x30x21	Dali & Touch Dim	929001503606
TD 21 G1		Xitanium 75W 0.7-2.0A 54V TD 230V	MultiOne, SimpleSet, LEDSet	21...75	27...54	60	0.7...2.0	360x30x21	Dali & Touch Dim	929001503706
TD 21 G2		Xitanium 36W 0.3-1.0A 54V TD 230V G2	iSet	10...36	27...54	60	0.3...1.0	360x30x21	Dali & Touch Dim	929001696006
TD 21 G2		Xitanium 75W 0.7-2.0A 54V TD 230V G2	iSet	21...75	27...54	60	0.7...2.0	360x30x21	Dali & Touch Dim	929001696106

# Xitanium Programmable

## Product specifications

Sub Family	Family Name	Description	Adjustable Output Current	Output Power(W)	Output Voltage(V)	Uout max (V)	Output Current (A)	Dimensions (mm)	Dimming	Order Code
Non-isolated simple set	simple set 16	Xitanium 60W 0.08-0.35A 300V S16 230V	SimpleSet	17...60	100...300	330	0.08...0.35	280x30x16	No	929002115906
	simple set 16	Xitanium 60W 0.15-0.5A 220V S16 230V	SimpleSet	17...60	50...220	250	0.15...0.5	280x30x16	No	929002116006
	simple set 21 G2	Xitanium 35W 0.08-0.35A 220V S21 230V	SimpleSet	10...35	50...220	250	0.08...0.35	280x30x21	No	929002934306
	simple set 21 G2	Xitanium 60W 0.08-0.35A 300V S21 230V	SimpleSet	17...60	100...300	330	0.08...0.35	280x30x21	No	929002934506
	simple set 21 G2	Xitanium 60W 0.15-0.5A 220V S21 230V	SimpleSet	17...60	50...220	250	0.15...0.5	280x30x21	No	929002934406
	simple set 21 G2	Xitanium 90W 0.25-0.7A 220V S21 230V	SimpleSet	25...90	50...220	250	0.25...0.7	360x30x21	No	929002934606
	simple set 21 G2	Xitanium 100W 0.25-0.7A 220V S21 230V	SimpleSet	28...100	50...220	250	0.25...0.7	360x30x21	No	929002116106
Isolated Simple Set	simple set 21	Xitanium 18W 0.1-0.5A 54V S 230V	SimpleSet	6...18	24...54	60	0.1-0.5	210x30x21	No	929001487906
	simple set 21	Xitanium 36W 0.3 -1.05A 54V S 230V	SimpleSet	10...36	27...54	60	0.3-1.05	360x30x21	No	929001571406
	simple set 21	Xitanium 65W 0.5-1.4A 54V S 230V	SimpleSet	18.5...65	27...54	60	0.5-1.4	360x30x21	No	929001571506
Will Be Phased Out	simple set 21 G1	Xitanium 35W 0.08-0.35A 150V S 230V	SimpleSet	10...35	50...150	250	0.08...0.35	280x30x21	No	929001506406
Will Be Phased Out	simple set 21 G1	Xitanium 60W 0.08-0.35A 300V S 230V	SimpleSet	17...60	100...300	330	0.08...0.35	280x30x21	No	929001506506
Will Be Phased Out	simple set 21 G1	Xitanium 60W 0.08-0.35A 220V S 230V	SimpleSet	17...60	50...220	250	0.08...0.35	280x30x21	No	929001509106
Will Be Phased Out	simple set 21 G1	Xitanium 100W 0.25-0.7A 220V S 230V	SimpleSet	28...100	50...220	250	0.25...0.7	360x30x21	No	929001529506
Non-isolated ixt	ixt	Xitanium 100W 0.15-0.5A 300V iXt 230V	SimpleSet, LEDSet	28...100	100...300	330	0.15-0.5	360x30x21	No	929001506606
	ixt	Xitanium 150W 0.2-0.7A 300V 230V iXt	SimpleSet, LEDSet	43...150	100...300	330	0.2-0.7	360x30x21	No	929001506706
	ixt	Xitanium 100W 0.15-0.5A 300V iXt TD 230	SimpleSet, LEDSet	28...100	100...300	330	0.15-0.5	360x30x21	Dali & Touch Dim	929001685606
	ixt	Xitanium 150W 0.2-0.7A 300V iXt TD 230V	SimpleSet, LEDSet	43...150	100...300	330	0.2-0.7	360x30x21	Dali & Touch Dim	929001685706
	ixt	Xitanium 300W 0.5-1.4A 300V iXt TD 230V	SimpleSet, LEDSet	85...300	100...300	330	0.5-1.4	360x50x28	Dali & Touch Dim	929001696606

## Xitanium Adjustable Output Current

Xitanium Adjustable Output Current LED drivers are designed to operate LED solutions for professional general lighting applications. The range includes LEDset and Dip-switch versions, with non-isolated and isolated drivers to support HV and LV linear systems. New Xitanium isolated and non-isolated Dip Switch Linear LED drivers have 4 output currents, offer industry leading performance and reliability at optimized cost. These drivers offer the same level of performance as Xitanium adjustable output current linear drivers to ensure high quality of light. Xitanium drivers have common features such as low ripple output current, adjustable output current by dip switch and 50,000 hours lifetime. They are specifically designed to ensure great EMI performance, high robustness and safe usage.

### Features

- Multiple versions: 1-10V dimmable and fixed output
- Adjustable output current via a resistor outside the driver or dip-switch

### Benefits

- Provides options for different luminaire designs
- Comfortable for the eyes
- Selectable output current enables flexibility and SKU reduction
- Energy saving
- Peace of mind with proven reliability

### Applications

- Trunking lighting
- Waterproof lighting
- Recessed, surface and suspended linear lighting

### Product specifications

Sub Family	Family Name	Description	Adjustable Output Current	Max Output Power(W)	Output Voltage(V)	Uout max (V)	Output Current (A)	Dimensions (mm)	Dimming	Order Code
Non-isolated 1-10V dimmable	1-10V	Xitanium 36W 0.12-0.4A 115V 1-10V 230V	LEDSet	10...36	50...115	170	0.12...0.4	280x30x21	1-10V	929000953606
	1-10V	Xitanium 75W 0.12-0.4A 220V 1-10V 230V	LEDSet	21...75	100...220	250	0.12...0.4	280x30x21	1-10V	929000953706



# Xitanium Adjustable Output Current

## Product specifications

Sub Family	Family Name	Description	Adjustable Output Current	Max Output Power(W)	Output Voltage(V)	Uout max (V)	Output Current (A)	Dimensions (mm)	Dimming	Order Code
Non-isolated LEDset	LED set 16	Xitanium 35W 0.08-0.35A 150V 16 230V	LEDSet	10...35	50...150	250	0.08...0.35	280x30x16	No	929001557606
	LED set 16	Xitanium 60W 0.08-0.35A 300V 16 230V	LEDSet	17...60	100...300	330	0.08...0.35	280x30x16	No	929001557706
	LED set 16	Xitanium 60W 0.08-0.35A 220V 16 230V	LEDSet	17...60	50...220	250	0.08...0.35	280x30x16	No	929001557806
	LED set 16	Xitanium 100W 0.25-0.7A 220V 16 230V	LEDSet	28...100	50...220	250	0.25...0.7	360x30x16	No	929001613406
	LED set 21	Xitanium 36W 0.12-0.4A 115V 230V	LEDSet	10...36	50...115	330	0.12...0.4	280x30x21	No	929000950606
	LED set 21	Xitanium 75W 0.12-0.4A 220V 230V	LEDSet	21...75	100...220	330	0.12...0.4	280x30x21	No	929000950706
	LED set 21	Xitanium 35W 0.08-0.35A 220V 21 230V	LEDSet	10...35	50...220	250	0.08...0.35	280x30x21	No	929001694306
	LED set 21	Xitanium 60W 0.08-0.35A 300V 21 230V	LEDSet	17...60	100...300	330	0.08...0.35	280x30x21	No	929001694406
	LED set 21	Xitanium 60W 0.15-0.5A 220V 21 230V	LEDSet	17...60	50...220	250	0.15...0.5	280x30x21	No	929001694506
	LED set 21	Xitanium 90W 0.25-0.7A 220V 21 230V	LEDSet	25...90	50...220	250	0.25...0.7	280x30x21	No	929001694606
Isolated LEDset	LED set 21	Xitanium 36W 0.3-1.0A 54V 230V	LEDSet	11-36	27-54	60	0.3-1.0	360 x 30 x 21	No	929001694106
	LED set 21	Xitanium 75W 0.7-2.0A 54V 230V	LEDSet	21-75	27-54	60	0.7-2.0	279.5 x 30 x 21	No	929001694206
Non-isolated Dip-switch G3	Dip-switch	Xitanium 19W 200-350mA 54V DS 230V	Dip switch	6...19	30-54	220	0.2...0.35	210x30x21	No	929003426006
	Dip-switch	Xitanium 42W 175-300mA 140V DS 230V	Dip switch	15...42	90-140	250	0.175...0.35	210x30x21	No	929003426106
	Dip-switch	Xitanium 44W 200-350mA 125V DS 230V	Dip switch	14...44	70-125	220	0.2...0.35	210x30x21	No	929003426206
	Dip-switch	Xitanium 65W 200-350mA 185V DS 230V	Dip switch	24...65	120-185	250	0.2...0.35	210x30x21	No	929003426306
Isolated Dip-switch G4	Dip-switch	Xitanium 18W 0.2-0.35A 51V DS 230V	Dip switch	6...17.9	23-51	60	0.2-0.35	210 x 30 x 21	No	929003412080
	Dip-switch	Xitanium 41W 0.5-0.8A 51V DS 230V	Dip switch	13.5...40.8	23-51	60	0.5-0.8	210 x 30 x 21	No	929003412180
	Dip-switch	Xitanium 61W 0.9-1.2A 51V DS 230V	Dip switch	20.7...61.2	23-51	60	0.9-1.2	210 x 30 x 21	No	929003412280
	Dip-switch	Xitanium 72W 1.2/1.4A 51V DS 230V	Dip switch	27.6-71.4	23-51	60	1.2-1.4	279,5 x 30 x 21	No	929002832080

## CertaDrive

CertaDrive LED drivers come with single current output and offer industry leading performance and reliability at optimized cost. New CertaDrive linear driver have an Emergency Lighting function, which means that they can operate normally on DC input voltage. CertaDrive LED panel drivers offering an attractive combination of features and benefits for a wide range of Panel applications for Office, Schools & Hospitals environments. CertaDrive LED panel drivers are designed to fulfill the market need for high quality of light without visual flicker and stroboscopic effects, offering industry leading performance.

### Features

- Multiple versions: 1-10V dimmable and fixed output
- Adjustable output current via a resistor outside the driver or dip-switch

### Benefits

- Provides options for different luminaire designs
- Comfortable for the eyes
- Energy saving
- Peace of mind with proven reliability

### Applications

- Panel lighting
- Trunking lighting
- Waterproof lighting
- Recessed, surface and suspended linear lighting



### Product specifications

Sub Family	Family Name	Description	Adjustable Output Current	Max Output Power(W)	Output Voltage(V)	Uout max (V)	Output Current (A)	Dimensions (mm)	Dimming	Order Code	
Non-isolated	Non-isolated Certa G3	CertaDrive 21W 0.35A 60V 230V EL	Fixed	10.5...21	30...60	250	0.35	168 x 30 x 21	No	929003450180	Soon!
	Non-isolated Certa G3	CertaDrive 30W 0.35A 85V 230V EL	Fixed	17.5...29.75	50...85	250	0.35	168 x 30 x 21	No	929003450280	Soon!
	Non-isolated Certa G3	CertaDrive 44W 0.35A 125V 230V EL	Fixed	24.5...43.75	70...125	250	0.35	210 x 30 x 21	No	929003450380	Soon!
	Non-isolated Certa G3	CertaDrive 65W 0.35A 185V 230V EL	Fixed	42...64.75	120...185	250	0.35	168 x 30 x 21	No	929003450480	Soon!
Independent Panel	Certa Panel G4	CertaDrive 20W 0.5A 40V 230V I	Fixed	15...20	30...40V	60	0.5	118 x 42 x 28	No	929003420180	
	Certa Panel G4	CertaDrive 24W 0.6A 40V 230V I	Fixed	18...24	30...40V	60	0.6	118 x 42 x 28	No	929003420280	
	Certa Panel G4	CertaDrive 28W 0.7A 40V 230V I	Fixed	21...28	30...40V	60	0.7	118 x 42 x 28	No	929003420380	
	Certa Panel G4	CertaDrive 32W 0.8A 40V 230V I	Fixed	24...32	30...40V	60	0.8	118 x 42 x 28	No	929003420480	
	Certa Panel G4	CertaDrive 36W 0.9A 40V 230V I	Fixed	27...36	30...40V	60	0.9	118 x 42 x 28	No	929003420580	
	Certa Panel G4	CertaDrive 42W 1.05A 40V 230V I	Fixed	31.5...42	30...40V	60	1.05	118 x 42 x 28	No	929003420680	
	Certa Panel G4	CertaDrive 48W 1.2A 40V 230V I	Fixed	36...48	30...40V	60	1.2	125x45x31.8	No	929003420780	Soon!

# Linear Modules

Quality of light to brighten up spaces



## Fortimo LED strip

One of the key benefits of the Fortimo LED strip portfolio is that once you design it into your systems, you can easily upgrade to high efficiency solutions, FlexTune (tunable white), high flux and HCL solutions. Besides that, the portfolio is extremely wide to cover all your needs in luminaire designs: from 0.5 ft to 5 ft, high voltage or low voltage, a wide range of CCTs in CRI80 and CRI90, connectors on the front or back and different lumen output versions. The CRI90 products are all equipped with our unique high efficient CRI90 technology, closing the lm/W gap to CRI80 to a minimum.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
<b>Fortimo LED Strip High Efficiency (HE)</b>					
Fortimo LED Strip 1ft 1100lm 830 HE HV4	1032	181	3	70	929001657306
Fortimo LED Strip 1ft 1100lm 840 HE HV4	1080	190	3	70	929001657406
Fortimo LED Strip 1ft 1100lm 850 HE HV4	1065	187	3	70	929001657506
Fortimo LED Strip 1ft 2000lm 830 HE HV4	1886	180	3	80	929001657606
Fortimo LED Strip 1ft 2000lm 840 HE HV4	1920	184	3	80	929001657706
Fortimo LED Strip 1ft 2000lm 850 HE HV4	1929	184	3	80	929001657806
Fortimo LED Strip 2ft 2200lm 830 HE HV4	2064	184	3	70	929001657906
Fortimo LED Strip 2ft 2200lm 840 HE HV4	2160	193	3	70	929001658006
Fortimo LED Strip 2ft 4000lm 830 HE HV4	3773	180	3	80	929001658106
Fortimo LED Strip 2ft 4000lm 840 HE HV4	3840	183	3	80	929001658206



## Fortimo LED strip

One of the key benefits of the Fortimo LED strip portfolio is that once you design it into your systems, you can easily upgrade to high efficiency solutions, FlexTune (tunable white), high flux and HCL solutions. Besides that, the portfolio is extremely wide to cover all your needs in luminaire designs: from 0.5 ft to 5 ft, high voltage or low voltage, a wide range of CCTs in CRI80 and CRI90, connectors on the front or back and different lumen output versions. The CRI90 products are all equipped with our unique high efficient CRI90 technology, closing the lm/W gap to CRI80 to a minimum.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip 0.25ftMF 827 HV6F	247	168	3	45	929002939106
Fortimo LED Strip 0.25ftMF 830 HV6F	259	176	3	45	929002939206
Fortimo LED Strip 0.25ftMF 840 HV6F	275	187	3	45	929002939306
Fortimo LED Strip 0.25ftMF 930 HV6F	257	162	3	45	929002939406
Fortimo LED Strip 0.25ftMF 940 HV6F	275	173	3	45	929002939506
Fortimo LED Strip 0.5ft MF 830 FC HV6	518	176	3	45	929002939606
Fortimo LED Strip 0.5ft MF 840 FC HV6	550	187	3	45	929002939706
Fortimo LED Strip 0.5ft MF 930 FC HV6	513	163	3	45	929002939806
Fortimo LED Strip 0.5ft MF 940 FC HV6	550	174	3	45	929002939906
Fortimo LED Strip 0.5ft MF 830 FC LV6	518	175	3	45	929002940006
Fortimo LED Strip 0.5ft MF 840 FC LV6	550	186	3	45	929002940106
Fortimo LED Strip 0.5ft MF 930 FC LV6	515	162	3	45	929002940206
Fortimo LED Strip 0.5ft MF 940 FC LV6	550	173	3	45	929002940306
Fortimo LED Strip 1ft LF 830 FC HV6	610	175	3	45	929002940406
Fortimo LED Strip 1ft LF 840 FC HV6	650	187	3	45	929002940506
Fortimo LED Strip 1ft LF 930 FC HV6	607	162	3	45	929002940606
Fortimo LED Strip 1ft LF 940 FC HV6	650	174	3	45	929002940706
Fortimo LED Strip 1ft LF 830 FC LV6	610	175	3	45	929002940806
Fortimo LED Strip 1ft LF 840 FC LV6	650	187	3	45	929002940906
Fortimo LED Strip 1ft LF 930 FC LV6	607	162	3	45	929002941006
Fortimo LED Strip 1ft LF 940 FC LV6	650	174	3	45	929002941106
Fortimo LED Strip 1ft MF 830 FC HV6	1036	176	3	45	929002941206
Fortimo LED Strip 1ft MF 835 FC HV6	1067	181	3	45	929002941306
Fortimo LED Strip 1ft MF 840 FC HV6	1100	186	3	45	929002941406

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip 1ft MF 850 FC HV6	1098	186	3	45	929002941506
Fortimo LED Strip 1ft MF 865 FC HV6	1083	184	3	45	929002941606
Fortimo LED Strip 1ft MF 927 FC HV6	1003	158	3	45	929002941706
Fortimo LED Strip 1ft MF 930 FC HV6	1027	163	3	45	929002941806
Fortimo LED Strip 1ft MF 935 FC HV6	1081	171	3	45	929002941906
Fortimo LED Strip 1ft MF 940 FC HV6	1100	174	3	45	929002942006
Fortimo LED Strip 1ft MF 950 FC HV6	1098	174	3	45	929002942106
Fortimo LED Strip 1ft MF 965 FC HV6	1082	171	3	45	929002942206
Fortimo LED Strip 1ft MF 830 BC HV6	1036	176	3	45	929002942306
Fortimo LED Strip 1ft MF 835 BC HV6	1067	181	3	45	929002942406
Fortimo LED Strip 1ft MF 840 BC HV5	1100	186	3	45	929002942506
Fortimo LED Strip 1ft MF 930 BC HV6	1027	163	3	45	929002942606
Fortimo LED Strip 1ft MF 935 BC HV6	1081	171	3	45	929002942706
Fortimo LED Strip 1ft MF 940 BC HV6	1100	174	3	45	929002942806
Fortimo LED Strip 1ft MF 830 FC LV6	1036	175	3	45	929002942906
Fortimo LED Strip 1ft MF 840 FC LV6	1100	186	3	45	929002943006
Fortimo LED Strip 1ft MF 850 FC LV6	1098	186	3	45	929002943106
Fortimo LED Strip 1ft MF 865 FC LV6	1083	183	3	45	929002943206
Fortimo LED Strip 1ft MF 927 FC LV6	1002	158	3	45	929002943306
Fortimo LED Strip 1ft MF 930 FC LV6	1025	163	3	45	929002943406
Fortimo LED Strip 1ft MF 940 FC LV6	1100	174	3	45	929002943506
Fortimo LED Strip 1ft MF 830 BC LV6	1036	175	3	45	929002943606
Fortimo LED Strip 1ft MF 840 BC LV6	1100	186	3	45	929002943706
Fortimo LED Strip 2ft LF 830 FC HV6	1221	175	3	45	929002943806



## Fortimo LED strip

One of the key benefits of the Fortimo LED strip portfolio is that once you design it into your systems, you can easily upgrade to high efficiency solutions, FlexTune (tunable white), high flux and HCL solutions. Besides that, the portfolio is extremely wide to cover all your needs in luminaire designs: from 0.5 ft to 5 ft, high voltage or low voltage, a wide range of CCTs in CRI80 and CRI90, connectors on the front or back and different lumen output versions. The CRI90 products are all equipped with our unique high efficient CRI90 technology, closing the lm/W gap to CRI80 to a minimum.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip 2ft LF 840 FC HV6	1300	186	3	45	929002943906
Fortimo LED Strip 2ft LF 930 FC HV6	1214	163	3	45	929002944006
Fortimo LED Strip 2ft LF 940 FC HV6	1300	174	3	45	929002944106
Fortimo LED Strip 2ft LF 830 FC LV6	1228	175	3	45	929002944206
Fortimo LED Strip 2ft LF 840 FC LV6	1300	186	3	45	929002944306
Fortimo LED Strip 2ft LF 930 FC LV6	1214	162	3	45	929002944406
Fortimo LED Strip 2ft LF 940 FC LV6	1300	174	3	45	929002944506
Fortimo LED Strip 2ft MF 830 FC HV6	2072	176	3	45	929002944606
Fortimo LED Strip 2ft MF 835 FC HV6	2134	181	3	45	929002944706
Fortimo LED Strip 2ft MF 840 FC HV6	2200	186	3	45	929002944806
Fortimo LED Strip 2ft MF 850 FC HV6	2197	186	3	45	929002944906
Fortimo LED Strip 2ft MF 865 FC HV6	2165	183	3	45	929002945006
Fortimo LED Strip 2ft MF 930 FC HV6	2054	163	3	45	929002945106
Fortimo LED Strip 2ft MF 935 FC HV6	2162	172	3	45	929002945206
Fortimo LED Strip 2ft MF 940 FC HV6	2200	174	3	45	929002945306
Fortimo LED Strip 2ft MF 830 BC HV6	2072	176	3	45	929002945406
Fortimo LED Strip 2ft MF 835 BC HV6	2134	181	3	45	929002945506
Fortimo LED Strip 2ft MF 840 BC HV6	2200	186	3	45	929002945606
Fortimo LED Strip 2ft MF 865 BC HV6	2165	183	3	45	929002951706
Fortimo LED Strip 2ft MF 930 BC HV6	2054	163	3	45	929002945706
Fortimo LED Strip 2ft MF 935 BC HV6	2162	172	3	45	929002945806
Fortimo LED Strip 2ft MF 940 BC HV6	2200	174	3	45	929002945906
Fortimo LED Strip 2ft MF 830 FC LV6	2077	175	3	45	929002946006
Fortimo LED Strip 2ft MF 840 FC LV6	2200	186	3	45	929002946106

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip 2ft MF 850 FC LV6	2203	186	3	45	929002946206
Fortimo LED Strip 2ft MF 865 FC LV6	2171	183	3	45	929002946306
Fortimo LED Strip 2ft MF 930 FC LV6	2056	163	3	45	929002946406
Fortimo LED Strip 2ft MF 940 FC LV6	2200	174	3	45	929002946506
Fortimo LED Strip 2ft MF 830 BC LV6	2077	175	3	45	929002946606
Fortimo LED Strip 2ft MF 840 BC LV6	2200	186	3	45	929002946706
Fortimo LED Strip 1120mm MF 830 HV6F	4144	176	3	45	929002946806
Fortimo LED Strip 1120mm MF 840 HV6F	4400	186	3	45	929002946906
Fortimo LED Strip 1120mm MF 865 HV6F	4331	183	3	45	929002947006
Fortimo LED Strip 1120mm MF 930 HV6F	4108	163	3	45	929002947106
Fortimo LED Strip 1120mm MF 940 HV6F	4400	174	3	45	929002947206
Fortimo LED Strip 1120mm MF 830 HV6B	4144	176	3	45	929002947306
Fortimo LED Strip 1120mm MF 840 HV6B	4400	186	3	45	929002947406
Fortimo LED Strip 1120mm MF 830 LV6F	4149	175	3	45	929002947506
Fortimo LED Strip 1120mm MF 840 LV6F	4400	186	3	45	929002947606
Fortimo LED Strip 1120mm MF 850 LV6F	4399	186	3	45	929002947706
Fortimo LED Strip 1120mm MF 865 LV6F	4337	183	3	45	929002947806
Fortimo LED Strip 1120mm MF 930 LV6F	4107	163	3	45	929002947906
Fortimo LED Strip 1120mm MF 940 LV6F	4400	174	3	45	929002948006
Fortimo LED Strip 1150mm MF 830 HV6F	4144	176	3	45	929002948106
Fortimo LED Strip 1150mm MF 840 HV6F	4400	186	3	45	929002948206
Fortimo LED Strip 1150mm MF 830 LV6F	4149	175	3	45	929002948306
Fortimo LED Strip 1150mm MF 840 LV6F	4400	186	3	45	929002948406
Fortimo LED Strip 1150mm MF 850 LV6F	4399	186	3	45	929002948506

## Fortimo LED strip

One of the key benefits of the Fortimo LED strip portfolio is that once you design it into your systems, you can easily upgrade to high efficiency solutions, FlexTune (tunable white), high flux and HCL solutions. Besides that, the portfolio is extremely wide to cover all your needs in luminaire designs: from 0.5 ft to 5 ft, high voltage or low voltage, a wide range of CCTs in CRI80 and CRI90, connectors on the front or back and different lumen output versions. The CRI90 products are all equipped with our unique high efficient CRI90 technology, closing the lm/W gap to CRI80 to a minimum.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip 1150mm MF 865 LV6F	4337	183	3	45	929002948606
Fortimo LED Strip 1400mm MF 830 HV6F	5180	176	3	45	929002948706
Fortimo LED Strip 1400mm MF 840 HV6F	5500	186	3	45	929002948806
Fortimo LED Strip 1400mm MF 865 HV6F	5414	183	3	45	929002948906
Fortimo LED Strip 1400mm MF 930 HV6F	5136	163	3	45	929002949006
Fortimo LED Strip 1400mm MF 940 HV6F	5500	174	3	45	929002949106
Fortimo LED Strip 1400mm MF 950 HV6F	5490	174	3	45	929002949206
Fortimo LED Strip 1400mm MF 830 HV6B	5180	176	3	45	929002949306
Fortimo LED Strip 1400mm MF 840 HV6B	5500	186	3	45	929002949406
Fortimo LED Strip 1400mm MF 830 LV6F	5185	175	3	45	929002949506
Fortimo LED Strip 1400mm MF 840 LV6F	5500	186	3	45	929002949606
Fortimo LED Strip 1400mm MF 865 LV6F	5419	183	3	45	929002949706
Fortimo LED Strip 1400mm MF 930 LV6F	5132	163	3	45	929002949806
Fortimo LED Strip 1400mm MF 940 LV6F	5500	174	3	45	929002949906
Fortimo LED Strip 1450mm MF 830 HV6F	5180	176	3	45	929002950006
Fortimo LED Strip 1450mm MF 840 HV6F	5500	186	3	45	929002950106
Fortimo LED Strip 1450mm MF 850 HV4F	5492	186	3	45	929002950206
Fortimo LED Strip 1450mm MF 840 HV6B	5500	186	3	45	929002950306
Fortimo LED Strip 1450mm MF 830 LV6F	5185	175	3	45	929002950406
Fortimo LED Strip 1450mm MF 840 LV6F	5500	186	3	45	929002950506
Fortimo LED Strip 1450mm MF 850 LV6F	5498	186	3	45	929002950606
Fortimo LED Strip 1450mm MF 865 LV6F	5419	183	3	45	929002950706
Fortimo LED Strip 1450mm MF 840 LV6B	5500	186	3	45	929002950806



#### Module driver compatibility

The Fortimo LED linear portfolio is compatible with multiple Xitanium LED drivers. Xitanium window drivers offer the freedom to adjust current settings and to differentiate in terms of lumen output, efficacy and lifetime. The corresponding linear Xitanium driver portfolio includes isolated and non-isolated drivers, in fixed light output, 1-10 V and DALI versions.

Complementary partners	Light output	Module efficacy	
Jordan	Ledil	BJB	L = lenses R = reflectors
R	L	L	

## Fortimo LED strip high flux gen 6

High reliable and high output Fortimo LED modules which are very suitable for industry application luminaires.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip 1ft 2000lm FC 830 HV6	1820	161	3	90	929002801306
Fortimo LED Strip 1ft 2000lm FC 840 HV6	1900	168	3	90	929002801406
Fortimo LED Strip 1ft 2000lm FC 850 HV6	1900	168	3	90	929002801506
Fortimo LED Strip 1ft 2000lm FC 865 HV6	1880	166	3	90	929002801606
Fortimo LED Strip 1ft 2000lm BC 840 HV6	2000	178	3	90	929002917706
Fortimo LED Strip 1ft 2000lm BC 830 HV6	1880	167	3	90	929002917506
Fortimo LED Strip 1ft 2000lm BC 835 HV6	1880	167	3	90	929002917606
Fortimo LED Strip 2ft 4000lm FC 830 HV6	3640	162	3	90	929002801706
Fortimo LED Strip 2ft 4000lm FC 840 HV6	3800	169	3	90	929002801806
Fortimo LED Strip 2ft 4000lm FC 850 HV6	3800	169	3	90	929002801906
Fortimo LED Strip 2ft 4000lm FC 865 HV6	3760	167	3	90	929002802006
Fortimo LED Strip 2ft 4000lm BC 830 HV6	3760	167	3	90	929002917806
Fortimo LED Strip 2ft 4000lm BC 835 HV6	3760	167	3	90	929002917906
Fortimo LED Strip 2ft 4000lm BC 840 HV6	4000	178	3	90	929002918006
Fortimo LED Strip 1ft 3000lm FC 830 HV6	2730	161	3	90	929002802106
Fortimo LED Strip 1ft 3000lm FC 840 HV6	2850	168	3	90	929002802206
Fortimo LED Strip 1ft 3000lm FC 850 HV6	2850	168	3	90	929002802306
Fortimo LED Strip 1ft 3000lm FC 865 HV6	2820	166	3	90	929002802406
Fortimo LED Strip 2ft 6000lm FC 830 HV6	5460	162	3	90	929002802506
Fortimo LED Strip 2ft 6000lm FC 840 HV6	5700	169	3	90	929002802606
Fortimo LED Strip 2ft 6000lm FC 850 HV6	5700	169	3	90	929002802706
Fortimo LED Strip 2ft 6000lm FC 865 HV6	5640	167	3	90	929002802806



## Fortimo LED strip CES

More applications require the use of human centric lighting elements (HCL). One of those elements is to improve people's circadian rhythm by using a different spectrum of light. With the Fortimo LED strip CES (Cyan Enhanced Static) we create a specific spectrum to achieve the highest MDER at a regular light level of 500 lux. This is done in a static 4000 K solution with CRI80. The product is based on the Fortimo LED strip platform, which makes luminaires designed with the standard Fortimo LED strip gen 5 easily upgradable to a HCL solution. The Fortimo LED strip CES is perfectly suitable when conditions ask from high MDER solutions (e.g. WELL Building certification).

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo LED Strip CES 1ft 1100lm HV5 F	1080	158	3	70	929002198806
Fortimo LED Strip CES 2ft 2200lm HV5 F	2160	158	3	70	929002198906
Fortimo LED Strip CES 1ft 1100lm LV5 F	1080	158	3	70	929002199006
Fortimo LED Strip CES 2ft 2200lm LV5 F	2160	158	3	70	929002199106

### Complementary partners

Jordan	Ledil	BJB	L = lenses R = reflectors
R	L	L	



## Fortimo LED strip FlexTune

The Fortimo LED strip FlexTune modules in system combination with the Xitanium FlexTune driver can build high performing and unique tunable white lighting systems. The drivers and modules are designed together to be a perfect match and together provide great specifications and ease of use. The Fortimo LED strip FlexTune modules are available in two versions: The ST version has a unique 2-in-1 LED, which does the CCT mixing inside the LED. Therefore, all LEDs on the module always have the same CCT. The PR version is based on the traditional tunable white concept of two individual LEDs (2700 K and 6500 K) and combined they tune the module's CCT. This version is equipped with our high efficiency CRI90 technology.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
FO strip ST FT 1ft 1100lm 827-865 FC HV5	1050	155	3	70	929002800606
FO strip ST FT 2ft 2200lm 827-865 FC HV5	2100	155	3	70	929002800706
FO strip PR FT 1ft 1100lm 927-965 FC HV5	1020	145	3	70	929002800806
FO strip PR FT 2ft 2200lm 927-965 FC HV5	2040	145	3	70	929002800906

### Complementary partners

Jordan	Ledil	BJB	L = lenses R = reflectors
R	L	L	



## Fortimo LED strip BioUp CED

A new concept to our HCL range: BioUp Cyan Enhanced Dynamic. Now integrated in our Fortimo LED Strip platform, BioUp CED is designed to work together with our Xitanium FlexTune drivers. The system provides a correlated color temperature (CCT) tunable module (from 2700 K to 5000 K) with enhanced melanopic-DEP (up to 0.95 at 5000 K).

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code	
	lm	lm/W	SDCM	°C	GPC	
Fortimo LED Strip CED 1ft MF FC HV5	1100	145	3	70	929002924006	New!
Fortimo LED Strip CED 1ft MF FC LV5	1100	145	3	70	929002924206	New!
Fortimo LED Strip CED 2ft MF FC HV5	2200	145	3	70	929002924106	New!
Fortimo LED Strip CED 2ft MF FC LV5	2200	145	3	70	929002924306	New!

## Louvres and Optics

Product type	Product code
	GPC
Fortimo LED-R - Reflector 1ft White	929002937306
Fortimo LED-R - Reflector 1ft Black	929002937406
Fortimo LED-R - Reflector 2ft White	929002936706
Fortimo LED-R - Reflector 2ft Black	929002936806
Fortimo LED-R - Optic 1ft MB	929002936906
Fortimo LED-R - Optic 1ft WB	929002937006



## Fortimo Edge lit BioUp CED

The Fortimo LED square CED BioUp is combining the best of two worlds: a high MDER light spectrum and a tunable white solution. The modules are tunable from 2700 K to 5000 K and are designed as such so they perfectly match our Xitanium FlexTune drivers. This enables an easy design-in for a tunable CCT solution with a high MDER. The MDER value at 5000 K is 0.95 which helps to achieve WELL Building certification. Based on the square platform it's a perfect module to be used in regular office luminaires.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
Fortimo Edge Lit 2ft SMF CED FC HV5	3100	130	3	70	929002937206

## Fortimo LED-R

The Fortimo LED-R modules are designed together with BJB's OptiLine Louvres. Together they make a high efficient and low-glare lighting solution. The system is extremely easy to install due to the one-click-fixation system which enables screw-less installation, even for high voltage applications. The Fortimo LED-R modules are available in a full range serving all different needs from different application. There are standard CRI80 modules, CRI90 High Efficiency versions, FlexTune tunable white and BioUp Cyan Enhanced Dynamic versions. Basically covering all the needs for office, retail and hospitality applications.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code	
	lm	lm/W	SDCM	°C	GPC	
<b>CRI80</b>						
Fortimo LED-R 1ft MF 827 FC HV5	160	160	3	75	929003403706	New!
Fortimo LED-R 1ft MF 830 FC HV5	167	167	3	75	929003403806	New!
Fortimo LED-R 1ft MF 840 FC HV5	178	178	3	75	929003403906	New!
Fortimo LED-R 1ft MF 827 FC LV5	160	160	3	75	929003404306	New!
Fortimo LED-R 1ft MF 830 FC LV5	166	166	3	75	929003404406	New!
Fortimo LED-R 1ft MF 840 FC LV5	177	177	3	75	929003404506	New!
Fortimo LED-R 2ft MF 827 FC HV5	160	160	3	75	929003404906	New!
Fortimo LED-R 2ft MF 830 FC HV5	167	167	3	75	929003405006	New!
Fortimo LED-R 2ft MF 840 FC HV5	178	178	3	75	929003405106	New!
Fortimo LED-R 2ft MF 827 FC LV5	160	160	3	75	929003405506	New!
Fortimo LED-R 2ft MF 830 FC LV5	166	166	3	75	929003405606	New!
Fortimo LED-R 2ft MF 840 FC LV5	178	178	3	75	929003405706	New!
<b>CRI90</b>						
Fortimo LED-R 1ft MF 927 FC HV5	150	150	3	75	929003404006	New!
Fortimo LED-R 1ft MF 930 FC HV5	156	156	3	75	929003404106	New!
Fortimo LED-R 1ft MF 940 FC HV5	166	166	3	75	929003404206	New!
Fortimo LED-R 1ft MF 927 FC LV5	150	150	3	75	929003404606	New!
Fortimo LED-R 1ft MF 930 FC LV5	155	155	3	75	929003404706	New!
Fortimo LED-R 1ft MF 940 FC LV5	166	166	3	75	929003404806	New!
Fortimo LED-R 2ft MF 927 FC HV5	150	150	3	75	929003405206	New!
Fortimo LED-R 2ft MF 930 FC HV5	156	156	3	75	929003405306	New!
Fortimo LED-R 2ft MF 940 FC HV5	166	166	3	75	929003405406	New!!
Fortimo LED-R 2ft MF 927 FC LV5	150	150	3	75	929003405806	New!
Fortimo LED-R 2ft MF 930 FC LV5	155	155	3	75	929003405906	New!
Fortimo LED-R 2ft MF 940 FC LV5	166	166	3	75	929003406006	New!

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code	
	lm	lm/W	SDCM	°C	GPC	
<b>FlexTune</b>						
Fortimo LED-R FT 1ft MF 927-965 FC HV5	1010	134	3	70	929003406106	New!
Fortimo LED-R FT 1ft MF 927-965 FC LV5	1010	134	3	70	929003406206	New!
Fortimo LED-R FT 2ft MF 927-965 FC HV5	2020	134	3	70	929003406306	New!
Fortimo LED-R FT 2ft MF 927-965 FC LV5	2020	134	3	70	929003406406	New!
<b>BioUP CED</b>						
Fortimo LED-R BioUP CED 1ft FC HV5	785	133	3	70	929003406506	New!
Fortimo LED-R BioUP CED 1ft FC LV5	785	133	3	70	929003406606	New!
Fortimo LED-R BioUP CED 2ft FC HV5	1570	133	3	70	929003406706	New!
Fortimo LED-R BioUP CED 2ft FC LV5	1570	133	3	70	929003406806	New!

### Louvres and Optics

Product type	Product code
	GPC
Fortimo LED-R - Reflector 1ft White	929002937306
Fortimo LED-R - Reflector 1ft Black	929002937406
Fortimo LED-R - Reflector 2ft White	929002936706
Fortimo LED-R - Reflector 2ft Black	929002936806
Fortimo LED-R - Optic 1ft MB	929002936906
Fortimo LED-R - Optic 1ft WB	929002937006



# Fortimo LED line

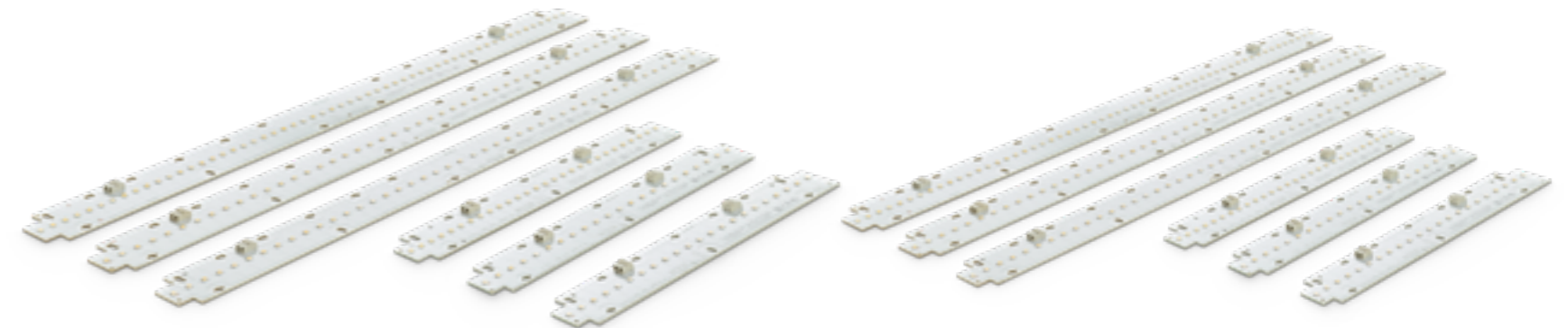
A well-known footprint covering the needs for general lighting purposes.

## Product specifications

Product type		Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code	
		lm	lm/W	CRI	SDCM	hrs	°C	GPC	
<b>Fortimo LED Line 3R low flux</b>									
3R	Fortimo LED Line 1ft LF 830 3R HV/LV5	620	174	80	3	70000	75	929002924606	<a href="#">New!</a>
3R	Fortimo LED Line 1ft LF 840 3R HV/LV5	650	183	80	3	70000	75	929002924706	<a href="#">New!</a>
3R	Fortimo LED Line 1ft LF 850 3R HV/LV5	650	183	80	3	70000	75	929002924806	<a href="#">New!</a>
<b>Fortimo LED Line 3R mid flux</b>									
3R	Fortimo LED Line 1ft MF 830 3R HV5B	1055	183	80	3	60000	80	929002924906	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 840 3R HV5B	1100	191	80	3	60000	80	929002925006	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 850 3R HV5B	1100	191	80	3	60000	80	929002925106	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 830 3R HV5B	1055	183	80	3	60000	80	929002924906	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 840 3R HV5B	1100	191	80	3	60000	80	929002925006	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 850 3R HV5B	1100	191	80	3	60000	80	929002925106	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 930 3R HV/LV5	1030	162	90	3	60000	80	929002925706	<a href="#">New!</a>
3R	Fortimo LED Line 1ft MF 940 3R HV/LV5	1100	173	90	3	60000	80	929002925806	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 830 3R HV5	2110	183	80	3	60000	80	929002925906	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 835 3R HV5	2140	186	80	3	60000	80	929002926006	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 840 3R HV5	2200	191	80	3	60000	80	929002926106	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 850 3R HV5	2200	191	80	3	60000	80	929002926206	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 865 3R HV5	2130	185	80	3	60000	80	929002926306	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 930 3R HV5	2060	162	90	3	60000	80	929002926406	<a href="#">New!</a>
3R	Fortimo LED Line 2ft MF 940 3R HV5	2200	173	90	3	60000	80	929002926506	<a href="#">New!</a>

## Product specifications

Product type		Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code	
		lm	lm/W	CRI	SDCM	hrs	°C	GPC	
<b>Fortimo LED Line 3R high flux</b>									
3R	Fortimo LED Line 1ft HF 830 3R HV5	1860	164	80	3	100000	90	929002927006	<a href="#">New!</a>
3R	Fortimo LED Line 1ft HF 840 3R HV5	2000	177	80	3	100000	90	929002927106	<a href="#">New!</a>
3R	Fortimo LED Line 1ft HF 850 3R HV5	2000	177	80	3	100000	90	929002927206	<a href="#">New!</a>
3R	Fortimo LED Line 1ft HF 865 3R HV5	1970	174	80	3	100000	90	929002927306	<a href="#">New!</a>
<b>Fortimo LED Line VO 3R</b>									
3R	Fortimo LED Line VO 1ft MF 830 3R HV5	1050	163	80	3	63000	85	929002926606	<a href="#">New!</a>
3R	Fortimo LED Line VO 1ft MF 840 3R HV5	1100	171	80	3	63000	85	929002926706	<a href="#">New!</a>
3R	Fortimo LED Line VO 2ft MF 830 3R HV5	2100	163	80	3	63000	85	929002926806	<a href="#">New!</a>
3R	Fortimo LED Line VO 2ft MF 840 3R HV5	2200	171	80	3	63000	85	929002926906	<a href="#">New!</a>



## Fortimo LED line

A well-known footprint covering the needs for general lighting purposes.

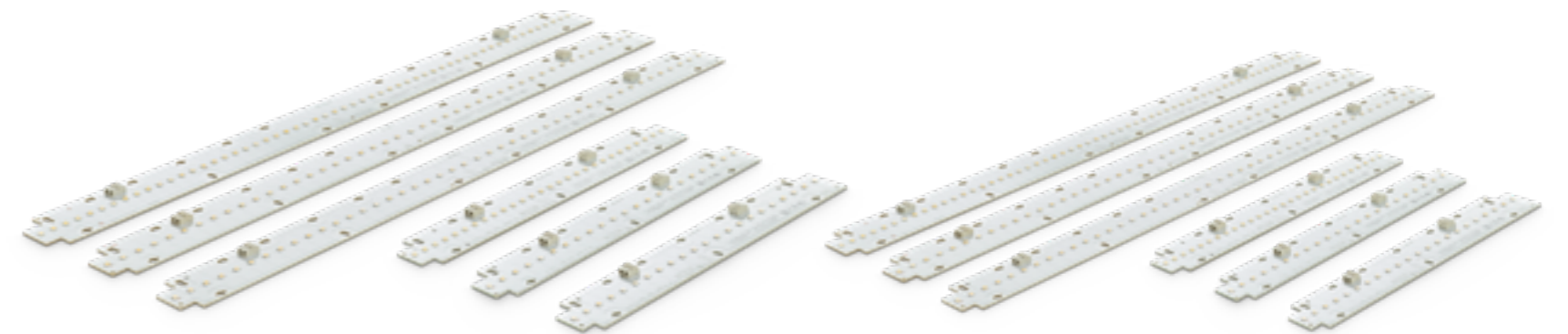
### Product specifications

Product type		Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code	
		lm	lm/W	CRI	SDCM	hrs	°C	GPC	
<b>Fortimo LED Line 1R mid flux</b>									
1R	Fortimo LED Line 1ft MF 830 1R HV5	1055	176	80	3	60000	80	929002930206	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 840 1R HV5	1100	184	80	3	60000	80	929002930306	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 850 1R HV5	1100	184	80	3	60000	80	929002930406	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 865 1R HV5	1065	178	80	3	60000	80	929002930506	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 930 1R HV5	1030	154	90	3	60000	80	929002930606	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 940 1R HV5	1100	165	90	3	60000	80	929002930706	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 830 1R LV5	1055	176	80	3	60000	80	929002930806	<a href="#">New!</a>
1R	Fortimo LED Line 1ft MF 840 1R LV5	1100	184	80	3	60000	80	929002930906	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 830 1R LV5	2110	176	80	3	60000	80	929002931606	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 840 1R LV5	2200	184	80	3	60000	80	929002931706	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 930 1R HV5	2060	154	90	3	60000	80	929002931406	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 940 1R HV5	2200	165	90	3	60000	80	929002931506	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 830 1R HV5	2110	176	80	3	60000	80	929002931006	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 840 1R HV5	2200	184	80	3	60000	80	929002931106	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 850 1R HV5	2200	184	80	3	60000	80	929002931206	<a href="#">New!</a>
1R	Fortimo LED Line 2ft MF 865 1R HV5	2130	178	80	3	60000	80	929002931306	<a href="#">New!</a>
<b>Fortimo LED Line 1R high flux</b>									
1R	Fortimo LED Line 1ft HF 830 1R HV5	1860	158	80	3	100000	90	929002931806	<a href="#">New!</a>
1R	Fortimo LED Line 1ft HF 840 1R HV5	2000	170	80	3	100000	90	929002931906	<a href="#">New!</a>
1R	Fortimo LED Line 1ft HF 850 1R HV5	2000	170	80	3	100000	90	929002932006	<a href="#">New!</a>
1R	Fortimo LED Line 1ft HF 865 1R HV5	1970	168	80	3	100000	90	929002932106	<a href="#">New!</a>
1R	Fortimo LED Line 2ft HF 830 1R HV5	3720	158	80	3	100000	90	929002932206	<a href="#">New!</a>
1R	Fortimo LED Line 2ft HF 840 1R HV5	4000	170	80	3	100000	90	929002932306	<a href="#">New!</a>
1R	Fortimo LED Line 2ft HF 850 1R HV5	4000	170	80	3	100000	90	929002932406	<a href="#">New!</a>
1R	Fortimo LED Line 2ft HF 865 1R HV5	3940	168	80	3	100000	90	929002932506	<a href="#">New!</a>

### Module driver compatibility

The Fortimo LED linear portfolio is compatible with multiple Xitanium LED drivers. Xitanium window drivers offer the freedom to adjust current settings and to differentiate in terms of lumen output, efficacy and lifetime. The corresponding linear Xitanium driver portfolio includes isolated and non-isolated drivers, in fixed light output, 1-10 V and DALI versions.

Complementary partners						
Jordan	Ledil	BJB	Carclo	CKO	Darkoo	Darkoo
R	L	L	L	L	L	L
L = lenses R = reflectors						



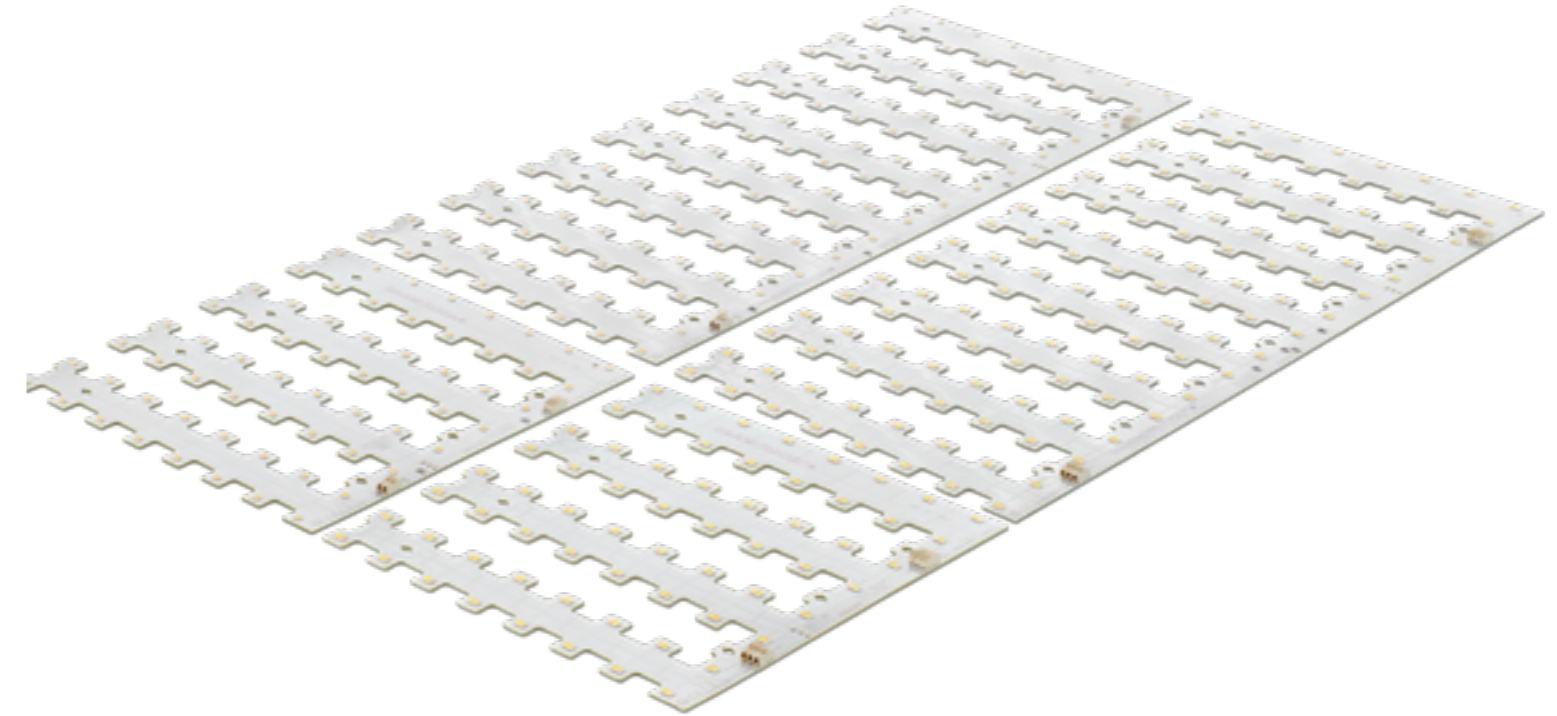


## Fortimo LED square

Fortimo LED modules suitable for backlit applications. The E-shape or finger print designs are high performing modules for square or rectangular luminaires.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code	
	lm	lm/W	SDCM	°C	GPC	
<b>Fortimo LED Square gen 3 FlexTune</b>						
Fortimo LED Square 1250lm 927-965 HV/LV3	1149	165	3	65	929002821106	
Fortimo LED Square 2500lm 927-965 HV/LV3	2310	166	3	65	929002821206	
Fortimo LED Line 1ft MF 850 1R HV5	1100	184	3	80	929002930406	
<b>Fortimo LED Square gen 3</b>						
Fortimo LED Square 1250lm 830 HV/LV3	1200	179	3	65	929002819906	
Fortimo LED Square 1250lm 840 HV/LV3	1250	186	3	65	929002820006	
Fortimo LED Square 1250lm 865 HV/LV3	1245	186	3	65	929002820106	
Fortimo LED Square 1250lm 930 HV/LV3	1180	168	3	65	929002820206	
Fortimo LED Square 1250lm 940 HV/LV3	1215	173	3	65	929002820306	
Fortimo LED Square 1250lm 965 HV/LV3	1239	177	3	65	929002820406	
Fortimo LED Square 2500lm 830 HV/LV3	2400	181	3	65	929002820506	
Fortimo LED Square 2500lm 840 HV/LV3	2500	189	3	65	929002820606	
Fortimo LED Square 2500lm 865 HV/LV3	2490	188	3	65	929002820706	
Fortimo LED Square 2500lm 930 HV/LV3	2360	169	3	65	929002820806	
Fortimo LED Square 2500lm 940 HV/LV3	2430	174	3	65	929002820906	
Fortimo LED Square 2500lm 965 HV/LV3	2478	177	3	65	929002821006	
<b>Fortimo LED Square gen 3 BioUp CED</b>						
Fortimo LED Square-S CED HV3	1250	166	3	65	929002924406	New!
Fortimo LED Square-DS CED HV3	2500	166	3	65	929002924506	New!



#### Module driver compatibility

The Fortimo LED linear portfolio is compatible with multiple Xitanium LED drivers. Xitanium window drivers offer the freedom to adjust current settings and to differentiate in terms of lumen output, efficacy and lifetime. The corresponding linear Xitanium driver portfolio includes isolated and non-isolated drivers, in fixed light output, 1-10 V and DALI versions.

## Fortimo LED panel

The Fortimo LED panels are designed for office applications and the range consists of different dimensions for different ceiling sizes. With their ultra-slim design, they can be installed easily. The panels are office compliant and have a long lifetime. Use these panels in combination with Xitanium drivers for the best performance.

### Product specifications

Product type	Light output	Module efficacy	Color rendering	Office compliant	Lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	UGR	hrs @ Ta 25°C	GPC
Fortimo LED Panel 6060 830 MD2	3220	115	80	<19	50000	929001687706
Fortimo LED Panel 6060 835 MD2	3220	115	80	<19	50000	929002828006
Fortimo LED Panel 6060 840 MD2	3400	121	80	<19	50000	929001687806
Fortimo LED Panel 6060 865 MD2	3400	121	80	<19	50000	929001687906
Fortimo LED Panel 6060 830 TPA MD2	3220	115	80	<19	50000	929002168806
Fortimo LED Panel 6060 835 TPA MD2	3220	121	80	<19	50000	929002828406
Fortimo LED Panel 6060 840 TPA MD2	3400	121	80	<19	50000	929002168906
Fortimo LED Panel 6262 830 MD2	3220	115	80	<19	50000	929002167906
Fortimo LED Panel 6262 835 MD2	3220	115	80	<19	50000	929002828106
Fortimo LED Panel 6262 840 MD2	3400	121	80	<19	50000	929002168006
Fortimo LED Panel 6262 865 MD2	3400	121	80	<19	50000	929002168106
Fortimo LED Panel 30120 830 MD2	3220	115	80	<19	50000	929002168206
Fortimo LED Panel 30120 835 MD2	3220	115	80	<19	50000	929002828206
Fortimo LED Panel 30120 840 MD2	3400	121	80	<19	50000	929002168306
Fortimo LED Panel 30120 865 MD2	3400	121	80	<19	50000	929002168406
Fortimo LED Panel 30120 830 TPA MD2	3220	115	80	<19	50000	929002169006
Fortimo LED Panel 30120 835 TPA MD2	3220	115	80	<19	50000	929002828506
Fortimo LED Panel 30120 840 TPA MD2	3400	121	80	<19	50000	929002169106
Fortimo LED Panel 60120 830 MD2	5000	122	80	<19	50000	929002168506
Fortimo LED Panel 60120 835 MD2	5000	122	80	<19	50000	929002828306
Fortimo LED Panel 60120 840 MD2	5350	131	80	<19	50000	929002168606
Fortimo LED Panel 60120 865 MD2	5350	131	80	<19	50000	929002168706

### Drivers recommendation

Product type	Product code
	GPC
Xitanium 36W WH 0.15-1.05A 54V TD/Is	929002861906
Xitanium 50W WH 0.7-1.5A 54V TD/Is	929002862006
Xitanium 28W/m 0.6A 46V SC 230V	929001418706
Xitanium 30W/m 0.65A 46V SC 230V	929001470806
Xitanium 32W/m 0.7A 46V SC 230V	929001412680
Xitanium 34W/m 0.8A 42V SC 230V	929001418806
Xitanium 38W/m 0.9A 42V SC 230V	929001418906
Xitanium 48W/m 1.05A 46V SC 230V	929001572806

### Accessories

Product type	Product code
	GPC
LED panel safety cable	929001688006



## CertaFlux LED strip 12

CertaFlux LED strip 12 is a small linear LED strip of only 12mm wide and available in 1 ft, 2 ft, 4 ft and 5 ft. Without compromising lifetime, the CertaFlux LED strip 12 has a good lm/W performance and is very accessible. Perfect for combining with CertaDrive or Xitanium single current drivers and fitted for waterproof or batten applications.

### Product specifications

Product type	Light output	Module efficacy	Color consistency	Case temp. lifetime	Product code
	lm	lm/W	SDCM	°C	GPC
CertaFlux LEDStrip 12 1ft 1100lm 830 HV4	1010	136	3	65	929002137406
CertaFlux LEDStrip 12 1ft 1100lm 840 HV4	1035	139	3	65	929002137506
CertaFlux LEDStrip 12 1ft 1100lm 865 HV4	1020	137	3	65	929002137606
CertaFlux LEDStrip 12 2ft 2200lm 830 HV4	2020	136	3	65	929002137706
CertaFlux LEDStrip 12 2ft 2200lm 840 HV4	2070	139	3	65	929002137806
CertaFlux LEDStrip 12 2ft 2200lm 865 HV4	2142	144	3	65	929002137906
CertaFlux LEDStrip 12 4ft 4400lm 830 HV4	4040	136	3	65	929002138006
CertaFlux LEDStrip 12 4ft 4400lm 840 HV4	4140	139	3	65	929002138106
CertaFlux LEDStrip 12 4ft 4400lm 865 HV4	4080	137	3	65	929002138206
CertaFlux LEDStrip 12 5ft 5500lm 830 HV4	5050	136	3	65	929002138306
CertaFlux LEDStrip 12 5ft 5500lm 840 HV4	5175	139	3	65	929002138406
CertaFlux LEDStrip 12 5ft 5500lm 865 HV4	5100	137	3	65	929002138506



### Module driver compatibility

CertaDrive LED drivers are designed to fulfill the market need for essential lighting. The CertaDrive LED drivers offer basic specifications such as specific current and voltage settings, optimized for operating CertaFlux LED modules.

## CertaFlux LED panel gen 2

CertaFlux LED gen 2 side-lit panels are ideal for general lighting applications where a good, even light surface is needed. There are versions that can comply to UGR <19 and versions for UGR <22. The range includes different dimensions to match the ceiling of your application. This CertaFlux solution is a reliable product with specifications that are good enough to ensure we can provide you with an attractive product that easily complements your portfolio. The panels are a good match with CertaDrive drivers.

### Product specifications

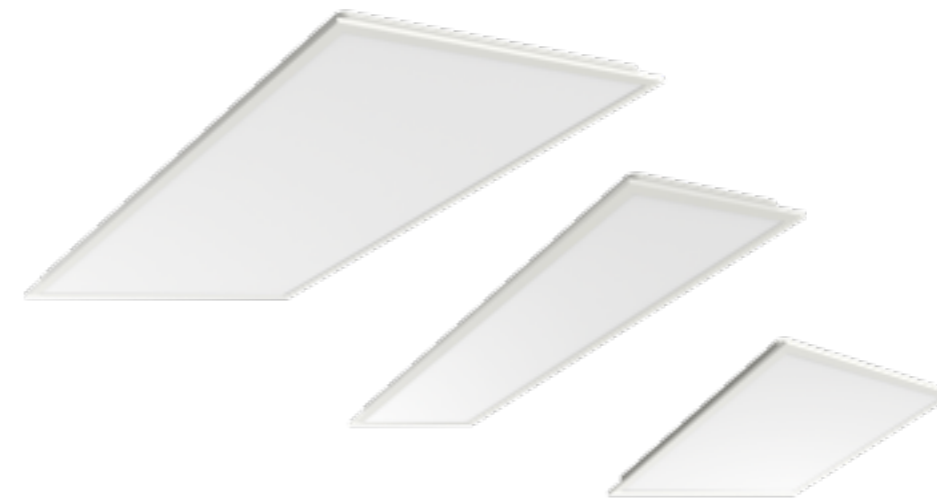
Product type	Light output	Panel efficacy	Color rendering	Office compliant	Lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	UGR	hrs @ Ta 25°C	GPC
<b>UGR22</b>						
CertaFlux LED Panel 6060 830 MD2	2900	101	80	<22	30000	929001687406
CertaFlux LED Panel 6060 840 MD2	3100	108	80	<22	30000	929001687506
CertaFlux LED Panel 6060 865 MD2	3100	108	80	<22	30000	929001687606
CertaFlux LED Panel 6262 830 MD2	2900	101	80	<22	30000	929002166406
CertaFlux LED Panel 6262 840 MD2	3100	108	80	<22	30000	929002166506
CertaFlux LED Panel 6262 865 MD2	3100	108	80	<22	30000	929002166606
CertaFlux LED Panel 30120 830 MD2	2900	101	80	<22	30000	929002166106
CertaFlux LED Panel 30120 840 MD2	3100	108	80	<22	30000	929002166206
CertaFlux LED Panel 30120 865 MD2	3100	108	80	<22	30000	929002166306
CertaFlux LED Panel 60120 830 MD2	4550	108	80	<22	30000	929002167306
CertaFlux LED Panel 60120 840 MD2	4900	117	80	<22	30000	929002167406
CertaFlux LED Panel 60120 865 MD2	4900	117	80	<22	30000	929002167506
<b>UGR19</b>						
CertaFlux LED Panel 6060 830 UC MD2	2650	92	80	<19	30000	929002166706
CertaFlux LED Panel 6060 840 UC MD2	2850	99	80	<19	30000	929002166806
CertaFlux LED Panel 6060 865 UC MD2	2850	99	80	<19	30000	929002166906
CertaFlux LED Panel 30120 865 UC MD2	2850	99	80	<19	30000	929002167206
CertaFlux LED Panel 30120 840 UC MD2	2850	99	80	<19	30000	929002167106
CertaFlux LED Panel 30120 830 UC MD2	2650	92	80	<19	30000	929002167006
CertaFlux LED Panel 60120 830 UC MD2	4250	101	80	<19	30000	929002167606
CertaFlux LED Panel 60120 840 UC MD2	4550	108	80	<19	30000	929002167706
CertaFlux LED Panel 60120 865 UC MD2	4550	108	80	<19	30000	929002167806

### Drivers recommendation

Product type	Product code
	GPC
CertaDrive 34W 0.8A 42V 230V I G3	929002819580
CertaDrive 38W 0.9A 42V 230V I G3	929002819680

### Accessories

Product type	Product code
	GPC
LED panel safety cable	929001688006



# LED Transformer

## LED Transformer Dali

Philips DALI LED Transformers are designed to driver 24VDC LED strips. It can control though either via the digital DALI protocol or via TD dim. Those LED transformers are specifically designed to ensure the highest performance with maximum robustness combined with a long lifetime.

### Features

- 1%-100% Dali 2 and TD dimming
- Independent use for class II application
- 50,000 hours lifetime

### Benefits

- Energy savings through Dali control and high efficiency
- Easy to design-in and install
- High reliability underpinned by 5 years warranty

### Applications

- Linear accent lighting
- Façade accent lighting
- Shelf/Cove lighting

### Product specifications

Product type	Product code	Nominal voltage	Dimensions HxWxL	Nominal output voltage	Nominal output power	IP rated	Dimming	Lifetime
	12NC	Vac	mm	VDC	W			hrs
LED Transformer 60W 24VDC TD 220-240V	929002200506	220-240	30x43x225	24	60	20	Dali	50,000
LED Transformer 100W 24VDC TD 220-240V	929002200606	220-240	30x43x300	24	100	20	Dali	50,000
LED Transformer 150W 24VDC TD 220-240V	929002200706	220-240	30x43x325	24	150	20	Dali	50,000



## Xitanium LED Transformer 1-10V

Philips 1-10V LED Transformers are designed to driver 24VDC LED strips. It can control through 1-10V dimming with dim to off features. Those LED transformers are specifically designed to ensure the highest performance with maximum robustness combined with a long lifetime.

### Features

- 1% to 100% 1-10V dimming with dim to off
- Super slim design, 16mm to 22mm height
- Independent use for class I/II application
- 50,000 hours lifetime

### Benefits

- Energy savings through 1-10V dimming and high efficiency
- Easy to design-in and install
- High reliability underpinned by 5 years warranty

### Applications

- Linear accent lighting
- Façade accent lighting
- Shelf/Cove lighting

### Product specifications

Product type	Product code	Nominal voltage	Dimensions HxWxL	Nominal output voltage	Nominal output power	IP rated	Dimming	Lifetime
	12NC	Vac	mm	VDC	W			hrs
Xitanium LED Transformer 30W 1-10V 24VDC	929002825880	220-240	16x30x300	24	30	20	1-10V	50,000
Xitanium LED Transformer 60W 1-10V 24VDC	929002825980	220-240	16x30x300	24	60	20	1-10V	50,000
Xitanium LED Transformer 100W 1-10V 24VDC	929002826080	220-240	18x30x350	24	100	20	1-10V	50,000
Xitanium LED Transformer 150W 1-10V 24VDC	929002826180	220-240	18x30x350	24	150	20	1-10V	50,000
Xitanium LED Transformer 250W 1-10V 24VDC	929002826280	220-240	22x40x400	24	250	20	1-10V	50,000



## Standard LED Transformer

Philips standard LED Transformers are designed to drive non-dimmable 24VDC LED strips, which are specifically designed to ensure the highest performance with maximum robustness combined with 50,000 hours lifetime.

### Features

- Global approbations and certifications
- Independent use for class I/II application
- 50,000 hours lifetime

### Benefits

- Suitable for global markets
- Easy to design-in and install
- High reliability underpinned by 5 years warranty

### Applications

- Linear accent lighting
- Façade accent lighting
- Shelf/Cove lighting

### Product specifications

Product type	Product Code	Nominal voltage	Dimensions HxWxL	Nominal output voltage	Nominal output power	IP rated	Dimming	Lifetime
	12NC	Vac	mm	VDC	W			hrs
LED Transformer 20W 24VDC 120-277V	929002105580	120-277	30x40x150	24	20	20	No	50,000
LED Transformer 40W 24VDC 120-277V	929002105680	120-277	30x40x210	24	40	20	No	50,000
LED Transformer 60W 24VDC 120-277V	929002105780	120-277	30x40x250	24	60	20	No	50,000
LED Transformer 60W 24VDC 220-240V	913710032267	220-240	30x52x170	24	60	20	No	50,000
LED Transformer 100W 24VDC 120-277V	929002105880	120-277	30x40x310	24	100	20	No	50,000
LED Transformer 120W 24VDC 220-240V	913710032567	220-240	30x40x300	24	120	20	No	50,000
LED Transformer 150W 24VDC 220-240V	929002105980	220-240	30x40x300	24	150	20	No	50,000





## CertaDrive LED Transformer G2

Philips CertaDrive LED Transformers are designed to drive non-dimmable 24VDC LED strips, which are specifically designed to ensure the highest performance with maximum robustness combined with 30,000 hours lifetime.

### Features

- Class II application
- Built in and independent
- Open Load/Short-circuit/Overpower Protection
- 10% output power at minimal operation range (exclude: 30W)
- 30,000 hours lifetime

### Benefits

- Provides options for different luminaire designs
- Great EMI performance for easy design-in
- Guaranteed reliable operations
- Wide output range enables flexibility
- Peace of mind with proven reliability

### Applications

- Linear accent lighting
- Façade accent lighting
- Shelf/Cove lighting

### Product specifications

Product type	Product Code	Nominal Voltage (Vac)	Dimensions HxWxL(mm)	Nominal output voltage VDC	Nominal output Power	IP rated	Dimming	Lifetime
	12NC	Vac	mm	VDC	W			hrs
CertaDrive LED Transformer 30W 24VDC	929003426480	220-240	25x36x135	24	30	20	No	30,000
CertaDrive LED Transformer 60W 24VDC	929003426580	220-240	31x40x152	24	60	20	No	30,000
CertaDrive LED Transformer 120W 24VDC	929003426680	220-240	31x43x253	24	120	20	No	30,000
CertaDrive LED Transformer 180W 24VDC	929003426780	220-240	31x43x253	24	180	20	No	30,000
CertaDrive LED Transformer 250W 24VDC	929002826380	220-240	22x40x400	24	250	20	No	30,000



## Economic LED Transformer

Philips CertaDrive LED Transformers are designed to drive non-dimmable 24VDC LED strips, which are specifically designed to ensure the highest performance with maximum robustness combined with 20,000 hours lifetime.

### Features

- IEC approbations and certifications
- Suitable for class I/II application
- 20,000 hours lifetime

### Benefits

- Suitable for IEC markets
- Easy to design-in and install
- Reliability underpinned by 2 years warranty

### Applications

- Linear accent lighting
- Façade accent lighting
- Shelf/Cove lighting

### Product specifications

Product type	Product Code	Nominal Voltage (Vac)	Dimensions HxWxL(mm)	Nominal output voltage VDC	Nominal output Power	IP rated	Dimming	Lifetime
	12NC	Vac	mm	VDC	W			hrs
Economic LED Transformer 30W 24VDC	913710033080	220-240	40x28x150	24	30	20	No	20,000
Economic LED Transformer 60W 24VDC	913710033180	220-240	40x32x211	24	60	20	No	20,000
Economic LED Transformer 120W 24VDC	913710033680	220-240	40x34x280	24	120	20	No	20,000
Economic LED Transformer 180W 24VDC	913710033780	220-240	50x35x300	24	180	20	No	20,000
Economic LED Transformer 250W 24VDC	929002859480	220-240	22x40x400	24	250	20	No	20,000



# LED Flex



## Fortimo LEDFlex Continuous

The new Fortimo LEDFlex Continuous Gen1 is designed for built-in applications to deliver continuous display lighting without any visible dots in shelf lighting, cove lighting and various decorative lighting applications including ceiling integration and accent lighting. With mainstream flux levels (500lm/m- 2000lm/m) as well as various Color temperatures, Tunable White and RGBW, the new CertaFlux LEDFlex family can meet different application requirements and brings maximum design flexibility. Together with PhilipConstant Voltage drivers and easy to use accessories, we offer a reliable system to our OEM customers to unlock the full potential of stylish lighting designs.

### Features

- Chip on Board Technology applied
- Flux ranges covers 500lm/m 1000lm/m with 2700K 3000K 3500K 4000K and 6500K with CRI90
- Cuttable length with 4.5cm
- Two connectors - PCB-PCB and PCB-wire connectors
- System approach

### Benefits

- Continuous light output without dotted
- Extensive portfolio for different application
- Short cuttable length enables easily design
- Easy to use
- Reliable and Robust

### Product specifications

Product type	Product Code	Power consumption	Lumen	Efficacy	Color Temperature	Color Rendering	Color Consistency	TC Life	B50/L70 at Tc Life
	12NC	W	lm/m	lm/W	K	Ra	SDCM	°C	hrs
Fortimo LEDFlex C 5m 500lm/m 927 C5 G1	929003399480	6.1	500	82	2700	90	5	75	50,000
Fortimo LEDFlex C 5m 500lm/m 930 C5 G1	929003399580	5.8	500	86	3000	90	5	75	50,000
Fortimo LEDFlex C 5m 500lm/m 935 C5 G1	929003399680	5.7	500	88	3500	90	5	75	50,000
Fortimo LEDFlex C 5m 500lm/m 940 C5 G1	929003399780	5.3	500	94	4000	90	5	75	50,000
Fortimo LEDFlex C 5m 500lm/m 965 C5 G1	929003399880	5.2	500	96	6500	90	5	75	50,000
Fortimo LEDFlex C 5m 1000lm/m 927 C5 G1	929003399980	12.4	1000	81	2700	90	5	75	50,000
Fortimo LEDFlex C 5m 1000lm/m 930 C5 G1	929003400080	12	1000	83	3000	90	5	75	50,000
Fortimo LEDFlex C 5m 1000lm/m 930PW C5G1	929003400180	12	1000	83	3000	90	5	75	50,000
Fortimo LEDFlex C 5m 1000lm/m 935 C5 G1	929003400280	11.6	1000	86	3500	90	5	75	50,000
Fortimo LEDFlex C 5m 1000lm/m 940 C5 G1	929003400380	10.8	1000	93	4000	90	5	75	50,000
Fortimo LEDFlex C 5m 1000lm/m 965 C5 G1	929003400480	10.6	1000	94	6500	90	5	75	50,000

\* Module Light output and efficacy is calculated @ typical. Measurement precision for flux +/-5%, Measurement precision for efficacy +/- 6%.For more detailed specifications (including lifetime) please approach local sales team.



## Fortimo LEDFlex Continuous

The new Fortimo LEDFlex Continuous Gen1 is designed for built-in applications to deliver continuous display lighting without any visible dots in shelf lighting, cove lighting and various decorative lighting applications including ceiling integration and accent lighting. With mainstream flux levels (500lm/m- 2000lm/m) as well as various Color temperatures, Tunable White and RGBW, the new CertaFlux LEDFlex family can meet different application requirements and brings maximum design flexibility. Together with PhilipConstant Voltage drivers and easy to use accessories, we offer a reliable system to our OEM customers to unlock the full potential of stylish lighting designs.

### Compatible Constant Voltage LED Drivers

Product type	12NC	500lm/m	1000lm/m
Economic LED Transformer 30W 24VDC	913710033080	√	√
Economic LED Transformer 60W 24VDC	913710033180	√	√
Economic LED Transformer 120W 24VDC	913710033680	√	√
Economic LED Transformer 180W 24VDC	913710033780	√	√
Economic LED Transformer 250W 24VDC	929002859480	√	√
CertaDrive LED Transformer 30W 24VDC	929002146280	√	√
CertaDrive LED Transformer 60W 24VDC	929002146380	√	√
CertaDrive LED Transformer 120W 24VDC	929002146480	√	√
CertaDrive LED Transformer 180W 24VDC	929002146580	√	√
CertaDrive LED Transformer 250W 24VDC	929002826380	√	√
LED Transformer 60W 24VDC 220-240V	913710032267	√	√
LED Transformer 120W 24VDC 220-240V	913710032567	√	√
LED Transformer 150W 24VDC 220-240V	929002105980	√	√
Xitanium LED Transformer 30W 1-10V 24VDC	929002825880	√	√
Xitanium LED Transformer 60W 1-10V 24VDC	929002825980	√	√
Xitanium LED Transformer 100W 1-10V 24VDC	929002826080	√	√
Xitanium LED Transformer 150W 1-10V 24VDC	929002826180	√	√
Xitanium LED Transformer 250W 1-10V 24VDC	929002826280	√	√
LED Transformer 60W 24VDC TD 220-240V	929002200506	√	√
LED Transformer 100W 24VDC TD 220-240V	929002200606	√	√
LED Transformer 150W 24VDC TD 220-240V	929002200776	√	√

\*For latest compatible driver list, please always help to check with local sales team, for Tunable White and RGBWW/CW, Bridge Box is also needed.

### Accessories

Product type	12NC
Fortimo LEDFlex C connector wire-PCB	929003400780
Fortimo LEDFlex C connector PCB-PCB	929003400880



## Fortimo LEDFlex

### Fortimo LEDFlex system Gen1

The Fortimo LEDFlex is designed for built-in applications to provide a sleek look and feel in stores for the ultimate shopping experience. Fortimo LEDFlex combines an optimized color spectrum for enhanced white performance and astonishingly lively rich colors to deliver an outstanding shopping experience. Create the ultimate look and feel for your store in combination with Philips premium white spotlighting solutions. What's more, Fortimo LEDFlex offers state-of-art efficacy up to 152 lm/W for low energy consumption, and the 50,000 hours lifetime offers peace of mind and lower maintenance costs. Fortimo LEDFlex provides high design freedom through cut options every 5 and 10 cms, and plug and play simplicity thanks to Fortimo LEDFlex accessories for no-tool handling and connection. Mounting is made simple, reliable and robust thanks to the best self-adhesive 3M tape, providing a sturdy mount to any surface.

### Features

- Superior light quality featuring an optimized color spectrum for enhanced white performance and astonishing lively rich colors
- High efficacy Up to 152 lm/W with CRI >80 and 132 lm/W with CRI>90
- Extensive Range of lumen output, color temperatures and accessories
- High design freedom by cut-options every 5 cm and 10 cm
- System solution in combination with Philips 24V Constant voltage drivers with 5 year warranty

### Benefits

- The best quality with an excellent performance
- Maximum design flexibility
- True system proposition



## Fortimo LEDFlex 5 m C10 Gen1

### Product specifications

Product type	Product Code	Power consumption	Lumen	Color rendering index	Correlated color temperature*
	12NC	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K*
Fortimo LEDFlex 5m 1000lm/m 830 C10 G1	929001490880	7.1	1000	80	3000
Fortimo LEDFlex 5m 1000lm/m 840 C10 G1	929001490980	6.6	1000	80	4000
Fortimo LEDFlex 5m 1000lm/m 827 C10 G1	929001491080	7.4	1000	80	2700
Fortimo LEDFlex 5m 1000lm/m 865 C10 G1	929001491180	6.6	1000	80	6500
Fortimo LEDFlex 5m 1500lm/m 830 C10 G1	929001491280	10.9	1500	80	3000
Fortimo LEDFlex 5m 1500lm/m 840 C10 G1	929001491380	10	1500	80	4000
Fortimo LEDFlex 5m 1500lm/m 827 C10 G1	929001491480	11.2	1500	80	2700
Fortimo LEDFlex 5m 1500lm/m 865 C10 G1	929001491580	10	1500	80	6500

\*Correlated color temperature within 5 SDCM range

### Product specifications

Product type	Product Code	Power consumption	Lumen	Color rendering index	Correlated color temperature*
	12NC	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K
Fortimo LEDFlex 5m 2000lm/m 830 C10 G1	929001491680	14.9	2000	80	3000
Fortimo LEDFlex 5m 2000lm/m 840 C10 G1	929001491780	13.8	2000	80	4000
Fortimo LEDFlex 5m 2000lm/m 827 C10 G1	929001491880	15.6	2000	80	2700
Fortimo LEDFlex 5m 2000lm/m 865 C10 G1	929001491980	13.8	2000	80	6500
Fortimo LEDFlex 5m 2500lm/m 830 C10 G1	929001492080	18.9	2500	80	3000
Fortimo LEDFlex 5m 2500lm/m 840 C10 G1	929001492180	17.6	2500	80	4000
Fortimo LEDFlex 5m 2500lm/m 865 C10 G1	929001492280	19.9	2500	80	2700
Fortimo LEDFlex 5m 2500lm/m 865 C10 G1	929001492380	17.6	2500	80	6500

\*Correlated color temperature within 5 SDCM range

# Fortimo LEDFlex

## Fortimo LEDFlex system Gen1

The Fortimo LEDFlex is designed for built-in applications to provide a sleek look and feel in stores for the ultimate shopping experience. Fortimo LEDFlex combines an optimized color spectrum for enhanced white performance and astonishingly lively rich colors to deliver an outstanding shopping experience. Create the ultimate look and feel for your store in combination with Philips premium white spotlighting solutions. What's more, Fortimo LEDFlex offers state-of-art efficacy up to 152 lm/W for low energy consumption, and the 50,000 hours lifetime offers peace of mind and lower maintenance costs. Fortimo LEDFlex provides high design freedom through cut options every 5 and 10 cms, and plug and play simplicity thanks to Fortimo LEDFlex accessories for no-tool handling and connection. Mounting is made simple, reliable and robust thanks to the best self-adhesive 3M tape, providing a sturdy mount to any surface.

### Features

- Superior light quality featuring an optimized color spectrum for enhanced white performance and astonishing lively rich colors
- High efficacy Up to 152 lm/W with CRI >80 and 132 lm/W with CRI>90
- Extensive Range of lumen output, color temperatures and accessories
- High design freedom by cut-options every 5 cm and 10 cm
- System solution in combination with Philips 24V Constant voltage drivers with 5 year warranty

### Benefits

- The best quality with an excellent performance
- Maximum design flexibility
- True system proposition

## Fortimo LEDFlex 50 m C10 Gen1

### Product specifications

Product type	Product Code	Power consumption	Lumen	Color rendering index	Correlated color temperature*
	12NC	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K
Fortimo LEDFlex 50m 1000lm/m 830 C10 G1	929001493280	7.1	1000	80	3000
Fortimo LEDFlex 50m 1000lm/m 840 C10 G1	929001493380	6.6	1000	80	4000
Fortimo LEDFlex 50m 1500lm/m 830 C10 G1	929001493480	10.9	1500	80	3000
Fortimo LEDFlex 50m 1500lm/m 840 C10 G1	929001493580	10	1500	80	4000
Fortimo LEDFlex 50m 2000lm/m 830 C10 G1	929001493680	14.9	2000	80	3000
Fortimo LEDFlex 50m 2000lm/m 840 C10 G1	929001493780	13.8	2000	80	4000
Fortimo LEDFlex 50m 2500lm/m 830 C10 G1	929001493880	18.9	2500	80	3000
Fortimo LEDFlex 50m 2500lm/m 840 C10 G1	929001493980	17.6	2500	80	4000



# Fortimo LEDFlex

## Fortimo LEDFlex system Gen1

The Fortimo LEDFlex is designed for built-in applications to provide a sleek look and feel in stores for the ultimate shopping experience. Fortimo LEDFlex combines an optimized color spectrum for enhanced white performance and astonishingly lively rich colors to deliver an outstanding shopping experience. Create the ultimate look and feel for your store in combination with Philips premium white spotlighting solutions. What's more, Fortimo LEDFlex offers state-of-art efficacy up to 152 lm/W for low energy consumption, and the 50,000 hours lifetime offers peace of mind and lower maintenance costs. Fortimo LEDFlex provides high design freedom through cut options every 5 and 10 cms, and plug and play simplicity thanks to Fortimo LEDFlex accessories for no-tool handling and connection. Mounting is made simple, reliable and robust thanks to the best self-adhesive 3M tape, providing a sturdy mount to any surface.

### Features

- Superior light quality featuring an optimized color spectrum for enhanced white performance and astonishing lively rich colors
- High efficacy Up to 152 lm/W with CRI >80 and 132 lm/W with CRI>90
- Extensive Range of lumen output, color temperatures and accessories
- High design freedom by cut-options every 5 cm and 10 cm
- System solution in combination with Philips 24V Constant voltage drivers with 5 year warranty

### Benefits

- The best quality with an excellent performance
- Maximum design flexibility
- True system proposition



## Fortimo LEDFlex 5 m C5 Gen1

### Product specifications

Product type	Product Code	Power consumption	Lumen	Color rendering index	Correlated color temperature*
	12NC	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K
Fortimo LEDFlex 5m 1000lm/m 930PW C5 G1	929001489280	8.2	1000	90	3000
Fortimo LEDFlex 5m 1000lm/m 940PW C5 G1	929001489380	7.6	1000	90	4000
Fortimo LEDFlex 5m 1000lm/m 927 C5 G1	929001489480	8.6	1000	90	2700
Fortimo LEDFlex 5m 1000lm/m 965 C5 G1	929001489580	7.6	1000	90	6500
Fortimo LEDFlex 5m 1500lm/m 930PW C5 G1	929001489680	12.6	1500	90	3000
Fortimo LEDFlex 5m 1500lm/m 940PW C5 G1	929001489780	11.8	1500	90	4000
Fortimo LEDFlex 5m 1500lm/m 927 C5 G1	929001489880	13.2	1500	90	2700
Fortimo LEDFlex 5m 1500lm/m 965 C5 G1	929001489980	11.8	1500	90	6500

### Product specifications

Product type	Product Code	Power consumption	Lumen	Color rendering index	Correlated color temperature*
	12NC	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K
Fortimo LEDFlex 5m 2000lm/m 930PW C5 G1	929001490080	17.1	2000	90	3000
Fortimo LEDFlex 5m 2000lm/m 940PW C5 G1	929001490180	16	2000	90	4000
Fortimo LEDFlex 5m 2000lm/m 927 C5 G1	929001490280	18	2000	90	2700
Fortimo LEDFlex 5m 2000lm/m 965 C5 G1	929001490380	16	2000	90	6500
Fortimo LEDFlex 5m 2500lm/m 930PW C5 G1	929001490480	21.2	2500	90	3000
Fortimo LEDFlex 5m 2500lm/m 940PW C5 G1	929001490580	20	2500	90	4000
Fortimo LEDFlex 5m 2500lm/m 927 C5 G1	929001490680	22.5	2500	90	2700
Fortimo LEDFlex 5m 2500lm/m 965 C5 G1	929001490780	20	2500	90	6500



# Fortimo LEDFlex

## Fortimo LEDFlex system Gen1

The Fortimo LEDFlex is designed for built-in applications to provide a sleek look and feel in stores for the ultimate shopping experience. Fortimo LEDFlex combines an optimized color spectrum for enhanced white performance and astonishingly lively rich colors to deliver an outstanding shopping experience. Create the ultimate look and feel for your store in combination with Philips premium white spotlighting solutions. What's more, Fortimo LEDFlex offers state-of-art efficacy up to 152 lm/W for low energy consumption, and the 50,000 hours lifetime offers peace of mind and lower maintenance costs. Fortimo LEDFlex provides high design freedom through cut options every 5 and 10 cms, and plug and play simplicity thanks to Fortimo LEDFlex accessories for no-tool handling and connection. Mounting is made simple, reliable and robust thanks to the best self-adhesive 3M tape, providing a sturdy mount to any surface.

## Features

- Superior light quality featuring an optimized color spectrum for enhanced white performance and astonishingly lively rich colors
- High efficacy Up to 152 lm/W with CRI >80 and 132 lm/W with CRI>90
- Extensive Range of lumen output, color temperatures and accessories
- High design freedom by cut-options every 5 cm and 10 cm
- System solution in combination with Philips 24V Constant voltage drivers with 5 year warranty

## Benefits

- The best quality with an excellent performance
- Maximum design flexibility
- True system proposition



## Fortimo LEDFlex 50 m C5 Gen1

### Product specifications

Product type	Product Code	Power consumption	Lumen	Color rendering index	Correlated color temperature*
	12NC	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K
Fortimo LEDFlex 50m 1000lm/m 930PW C5 G1	929001492480	8.2	1000	90	3000
Fortimo LEDFlex 50m 1000lm/m 940PW C5 G1	929001492580	7.6	1000	90	4000
Fortimo LEDFlex 50m 1500lm/m 930PW C5 G1	929001492680	12.6	1500	90	3000
Fortimo LEDFlex 50m 1500lm/m 940PW C5 G1	929001492780	11.8	1500	90	4000
Fortimo LEDFlex 50m 2000lm/m 930PW C5 G1	929001492880	17.1	2000	90	3000
Fortimo LEDFlex 50m 2000lm/m 940PW C5 G1	929001492980	16	2000	90	4000
Fortimo LEDFlex 50m 2500lm/m 930PW C5 G1	929001493080	21.2	2500	90	3000
Fortimo LEDFlex 50m 2500lm/m 940PW C5 G1	929001493180	20	2500	90	4000

### Constant voltage drivers recommendation

Product type	12NC
LED power driver 20W 24VDC 100-240V	929000654006
LED power driver 80W 24VDC 120-240V	929001669406
LED power driver 100W 24VDC 120-240V	929001669506
LED power driver 150W 24VDC 120-240V	929002101980
LED power driver 240W 24VDC 120-240V	929002102080
LED transformer 20W 24VDC 120-277V	929002105580
LED transformer 40W 24VDC 120-277V	929002105680
LED transformer 60W 24VDC 120-277V	929002105780
LED transformer 60W 24VDC 220-240V	913710032267
LED transformer 100W 24VDC 120-277V	929002105880
LED transformer 120W 24VDC 220-240V	913710032567
LED transformer 150W 24VDC 220-240V	929002105980
LED transformer 150W IP67 24VDC 220-240V	929001485580
LED transformer 300W IP67 24VDC 220-240V	929001485680
CertaDrive LED transformer 30W 24VDC	929002146280
CertaDrive LED transformer 60W 24VDC	929002146380
CertaDrive LED transformer 120W 24VDC	929002146480
CertaDrive LED transformer 180W 24VDC	929002146580

Product type	12NC
CertaDrive 35W 24VDC 220-240V	929001424006
CertaDrive 60W 24VDC 220-240V	929001424106
CertaDrive 100W 24VDC 220-240V	929001424206
CertaDrive 120W 24VDC 220-240V	929001424306
CertaDrive 100W 24VDC 220-240V	929001424206
Xitanium 77W 100-277V 3.2A XI077C320V024FNS1M	929001708113
Xitanium 100W 100-277V 4.1A XI100C410V024FNS1M	929000771913
LED driver outdoor 100W 100-240V 24V**	929000485303

\* Only for NAM region, \*\* Only for Japan

### Accessories

Product type	12NC
Fortimo LEDFlex connector wire250mm-PCB	929001495880
Fortimo LEDFlex connector wire500mm-PCB	929001495980
Fortimo LEDFlex connector wire2000mm-PCB	929001496080
Fortimo LEDFlex connector PCB-PCB	929001496180
Fortimo LEDFlex cornerconnect wire60mm	929001496280
Fortimo LEDFlex cornerconnect wire150mm	929001496380

## Certaflux LEDFlex Gen1

The CertaFlux LEDFlex Gen1 are dedicated designed for built-in applications for retail display lighting applications such as shelf lighting, and various decorative lighting applications such as cove lighting, ceiling integration, accent lighting. With mainstream flux level (500lm/m-2000lm/m) as well as various Color temperature, Tunable White and RGBW, the new CertaFlux LEDFlex family can meet different application requirements and maximum the design flexibility. Together with Philips constant voltage driver and easy to use accessories, we offer a reliable system to our OEM customers to unlock the full potential of stylish lighting designs.

### Features

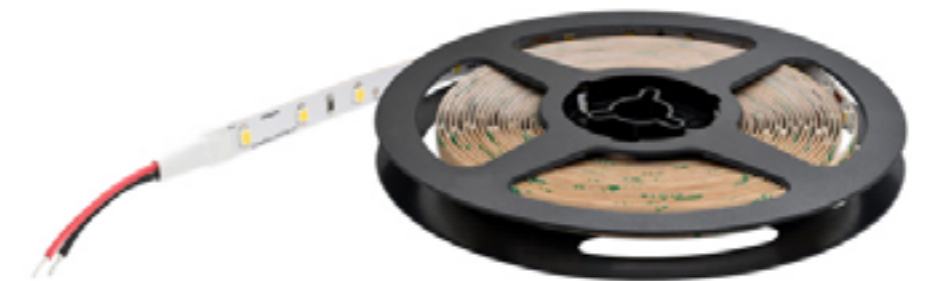
- Flux ranges covers 500lm/m 1000lm/m 1500lm/m 2000lm/m with efficacy up to 110lm/W
- Available in 2400K 2700K 3000KPW 3500KPW 4000KPW and 6500K with CRI90
- Premium White color, tunable White and RGB (WW/CW) included
- Short cuttable length
- Two connectors - PCB-PCB and PCB-wire connectors

### Benefits

- Extensive portfolio for different application
- Easy to design
- Easy to use
- Reliable and Robust
- System approach

### Product specifications

Product type	Product Code	Power consumption	Lumen	Efficacy	Color Temperature*	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life
	12NC	W	lm/m	lm/W	K	Ra	SDCM	°C	hrs
CertaFlux LEDFlex 5m 500lm/m 924 C10 G1	929002862380	7	500	72	2400	90	3	75	30,000
CertaFlux LEDFlex 5m 500lm/m 927 C10 G1	929002862480	6	500	83	2700	90	3	75	30,000
CertaFlux LEDFlex 5m 500lm/m 930PW C10G1	929002862580	6	500	83	3000	90	3	75	30,000
CertaFlux LEDFlex 5m 500lm/m 935PW C10G1	929002862680	6	500	83	3500	90	3	75	30,000
CertaFlux LEDFlex 5m 500lm/m 940PW C10G1	929002862780	6	500	83	4000	90	3	75	30,000
CertaFlux LEDFlex 5m 500lm/m 965 C10 G1	929002862880	6	500	83	6500	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m 924 C10 G1	929002862980	13	1000	77	2400	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m 927 C10 G1	929002863080	13	1050	81	2700	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m 930PWC10G1	929002863180	10.8	1000	83	3000	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m 935PWC10G1	929002863280	10.8	1000	83	3500	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m 940PWC10G1	929002863380	9.7	1000	93	4000	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m 965 C10 G1	929002863480	9.7	1000	93	6500	90	3	75	30,000
CertaFlux LEDFlex 5m 1500lm/m 930PW C5G1	929002863580	13.9	1450	104	3000	90	3	75	30,000
CertaFlux LEDFlex 5m 1500lm/m 935PW C5G1	929002863680	13.9	1500	108	3500	90	3	75	30,000
CertaFlux LEDFlex 5m 1500lm/m 940PW C5G1	929002863780	13.9	1500	108	4000	90	3	75	30,000
CertaFlux LEDFlex 5m 1500lm/m 965 C5 G1	929002863880	13.9	1500	108	6500	90	3	75	30,000



# Certaflux LEDFlex Gen1

The CertaFlux LEDFlex Gen1 are dedicated designed for built-in applications for retail display lighting applications such as shelf lighting, and various decorative lighting applications such as cove lighting, ceiling integration, accent lighting. With mainstream flux level (500lm/m-2000lm/m) as well as various Color temperature, Tunable White and RGBW, the new CertaFlux LEDFlex family can meet different application requirements and maximum the design flexibility. Together with Philips constant voltage driver and easy to use accessories, we offer a reliable system to our OEM customers to unlock the full potential of stylish lighting designs.

## Features

- Flux ranges covers 500lm/m 1000lm/m 1500lm/m 2000lm/m with efficacy up to 110lm/W
- Available in 2400K 2700K 3000KPW 3500KPW 4000KPW and 6500K with CRI90
- Premium White color, tunable White and RGB (WW/CW) included
- Short cuttable length
- Two connectors - PCB-PCB and PCB-wire connectors

## Benefits

- Extensive portfolio for different application
- Easy to design
- Easy to use
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## Product specifications

Product type	Product Code	Power consumption	Lumen	Efficacy	Color Temperature*	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life
	12NC	W	lm/m	lm/W	K	Ra	SDCM	°C	hrs
CertaFlux LEDFlex 5m 2000lm/m 930PW C5G1	929002863980	18	1900	106	3000	90	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m 935PW C5G1	929002864080	18	1900	106	3500	90	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m 940PW C5G1	929002864180	18	2000	111	4000	90	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m 930 C5G1	929002884180	18	1900	106	3000	90	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m 935 C5G1	929002884280	18	1900	106	3500	90	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m 940 C5G1	929002884380	18	2000	111	4000	90	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m 965 C5 G1	929002864280	18	2000	111	6500	90	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/m827-865C12G1	929002864380	10.1	1000 @ 2700K /1100 @ 6500K	100 @ 2700K / 109 @ 6500K	2700-6500	80	3	75	30,000
CertaFlux LEDFlex 5m 2000lm/m827-865C12G1	929002869580	20	2000 @ 2700 / 2200 @ 6500K		2700-6500	80	3	75	30,000
CertaFlux LEDFlex 5m 1000lm/mRGBWW C10G1	929002864480	4.8 (RGB)/10.1 (warmwhite)	75(blue)/335(green)128(red)/100(warmwhite)	100 (warmwhite)	2700	80	3 ( w a r m - white)	75	30,000
CertaFlux LEDFlex 5m 1000lm/mRGBCW C10G1	929002864580	4.8 (RGB)/10.1 (coolwhite)	75(blue)/335(green)128(red)/1100(coolwhite)	100 (coolwhite)	6500	80	3(coolwhi-te)	75	30,000

\* Module Light output and efficacy is calculated @ typical. Measurement precision for flux +/-5%, Measurement precision for efficacy +/- 6%.For more detailed specifications (including lifetime) please approach local sales team.



## Certaflux LEDFlex Gen1

The CertaFlux LEDFlex Gen1 are dedicated designed for built-in applications for retail display lighting applications such as shelf lighting, and various decorative lighting applications such as cove lighting, ceiling integration, accent lighting. With mainstream flux level (500lm/m-2000lm/m) as well as various Color temperature, Tunable White and RGBW, the new CertaFlux LEDFlex family can meet different application requirements and maximum the design flexibility. Together with Philips constant voltage driver and easy to use accessories, we offer a reliable system to our OEM customers to unlock the full potential of stylish lighting designs.

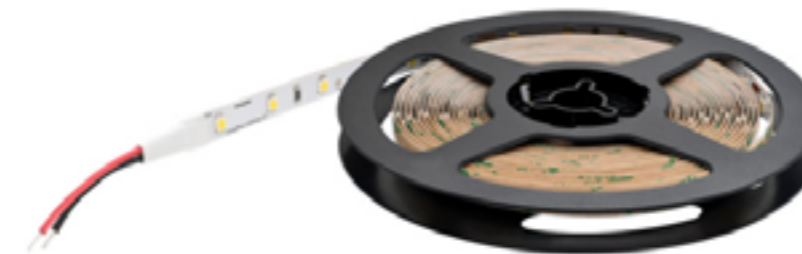
### Compatible Constant Voltage LED Drivers

Product type	12NC	500lm/m	1000lm/m	1500lm/m	2000lm/m	1000lm TW	2000lm TW	1000lm RGBWW/CW
LED Transformer 20W 24VDC 120-277V	929002105580	√	√	√	√			
CertaDrive LED Transformer 30W 24VDC	929002146280	√	√	√	√			
Economic LED Transformer 30W 24VDC	913710033080	√	√	√	√			
CertaDriver LED Transformer 60W 24VDC	929002146380	√	√	√	√			
Economic LED Transformer 60W 24VDC	913710033180	√	√	√	√			
CertaDriver LED Transformer 120W 24VDC	929002146480	√	√	√	√			
Economic LED Transformer 120W 24VDC	913710033680	√	√	√	√			
CertaDriver LED Transformer 180W 24VDC	929002146580	√	√	√	√			
Economic LED Transformer 180W 24VDC	913710033780	√	√	√	√			
CertaDriver LED Transformer 250W 24VDC	929002826380	√	√	√	√			
Economic LED Transformer 250W 24VDC	929002159480	√	√	√	√			
Xitanium LED Transformer 30W 1-10V 24VDC	929002825880	√	√	√	√			
Xitanium LED Transformer 60W 1-10V 24VDC	929002825980	√	√	√	√			
Xitanium LED Transformer 100W 1-10V 24VDC	929002826080	√	√	√	√			
Xitanium LED Transformer 150W 1-10V 24VDC	929002826180	√	√	√	√			
Xitanium LED Transformer 250W 1-10V 24VDC	929002826280	√	√	√	√			
LED Transformer 40W 24VDC 120-277V	929002105680					√	√	√
LED Transformer 60W 24VDC 120-277V	913710032267					√	√	√

\* For latest compatialbe driver list, please always help to check with local sales team, for Tunable White and RGBWW/CW, Bridge Box is also needed.

### Accessories

Product type	12NC
CertaFlux LEDFlex connector wire-PCB 8mm	929002864680
CertaFlux LEDFlex connector PCB-PCB 8mm	929002864780
CertaFlux LEDFlex connector wire-PCB TW	929002864880
CertaFlux LEDFlex connector PCB-PCB TW	929002864980
CertaFlux LEDFlex connector wire-PCBRGBW	929002865080
CertaFlux LEDFlex connector PCB-PCB RGBW	929002865180
CertaFlux LEDFlex connector wire-PCB10mm	929002865780
CertaFlux LEDFlex connector PCB-PCB 10mm	929002865880



## LEDFlex & SLM COB Color-matching Table

With more and more creative light applications emerging everywhere, the demand of flexible light solutions keeps on growing.

With the continuous improvement of LED efficacy, Constant Voltage light solutions keep on expanding into new areas, from ambient lighting, cove lighting to general lighting.

Among them, one of the key segmentations is retail lighting, for which the color consistency between LEDFlex and Tracklight becomes crucial.

We offer both LEDFlex and SLM COB which deliver one look-and-feel lighting solutions in stores for a supreme shopping experience.

Portfolio color matching tables below give a clear overview of matching colors between different lighting technologies.

			CR190					CR180					
<b>Normal White</b>			2400	2700	3000	3500	4000	5000	2700	3000	3500	4000	5000
Spotlight	Fortimo	SLM COB	√	√	√	√	√	√	√	√	√	√	
Spotlight	CertaFlux	SLM COB	√	√	√	√	√	√	√	√	√	√	
LEDFlex	Fortimo	LEDFlex Continuous Light	√	√	√	√							
LEDFlex	Fortimo	LEDFlex (Single color)		√				√	√		√		
LEDFlex	CertaFlux	LEDFlex (Single color)	√	√	√	√	√	√	√	√	√	√	

			CR190					CR180					
<b>Premium White</b>			2400	2700	3000	3500	4000	5000	2700	3000	3500	4000	5000
Spotlight	Fortimo	SLM COB			√	√	√			√			
LEDFlex	Fortimo	LEDFlex Continuous Light PW			√								
LEDFlex	Fortimo	LEDFlex (Single color)			√		√						
LEDFlex	CertaFlux	LEDFlex (Single color)			√	√	√						



Matching color



Non-Matching color

# MasterConnect

New connections for new opportunities



Smart lighting is only a few simple steps away, thanks to easy installation and instant setup via the app.



**Install**

Time-saving installation without the need for a gateway, wireless retrofits and mobile app guided set up.



**Configure**

Activate and set up your lighting system and energy-saving automation settings with the app.



**Ready!**



**Adjust**

Once everything is set up, your customer can download the app and, if desired, change the light settings.

Real pros choose

# new connections for new opportunities.

## Take the first step into connected lighting with Philips MasterConnect LEDlamps.

**Interact Pro**

**Looking for more optimization and personalization of your light settings?**

Designed for various applications, Philips MasterConnect LEDlamps can also be used with the Interact Pro app. Optionally add a gateway to enjoy cloud-based benefits:

- ✓ Monitor lighting and energy with the Interact Pro dashboard for further optimization
- ✓ Optimized and personalized light levels for your customer's daily business, supporting employees, tasks, safety and security

Learn more at [interact-lighting.com/pro](https://interact-lighting.com/pro)

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## Philips MasterConnect LEDlamps. Big news for businesses that want to switch to connected lighting.

Who says you have to spend a lot of money to have smart lighting? Take your first step with Philips MasterConnect LEDlamps: smart retrofit LED lamps that give you an easy and seamless way to upgrade and embrace all benefits of connected lighting.

Thanks to the proven wireless connected technology, MasterConnect LEDlamps maximize energy savings, while providing wireless and automated light for your comfort and convenience.

Simply set up with an intuitive app (such as the Interact or Philips MasterConnect app), your lighting system can be programmed to deliver automated occupancy and daylight detection, zone control, wireless dimming, and scenes. Once the basics are defined, it just works automatically, allowing for an ‘install and forget’ experience.

With MasterConnect LEDlamps, your system is fully scalable and upgradable. If you want to enjoy further benefits such as remote control or management dashboard, you can simply keep the currently installed lamps and add a gateway to experience all the advantages of a cloud-based system.

There’s no better way to take lighting solutions to the next level.



## Philips MasterConnect LEDlamps



### MasterConnect LEDtube

- Retrofit to T8 lamps on EM ballast or mains
- Safe and hassle-free installation
- 55% energy savings compared with fluorescent lamps
- Extra-long lifetime of 60,000 hrs
- Perfect for office, school, retail, healthcare, parking and warehouse


### MasterConnect LEDspot

- Perfect fit design to retrofit halogen lamps
- 90% energy savings compared with halogen lamps
- Color spectrum that replicates halogen, CRI 90
- Lifetime of up to 25,000 hrs
- Perfect for hospitality, restaurant and retail



**Add switches  
for wireless lighting**

- Wireless dimming and scenes
- No control wires for cost effective installation



**Add sensors  
for automated lighting**

- Automated lighting through occupancy detection
- Daylight harvesting



**Add a gateway  
for connected lighting**

- Preventive maintenance of light
- Remote and personal control of lighting
- Management dashboard

## Tap the full potential of energy savings

- Wireless dimming: **10-15%**
- Occupancy sensing: **10-40%**
- Daylight harvesting: **20-40%**
- Total solution: **Up to 80%**

\*Savings based on published articles and Signify internal study. Total solution means utilizing all available control strategies such as occupancy sensing, daylight harvesting, high-end trim, scheduling, personal control, demand response etc. All savings are compared with non-controlled LED lighting system. Actual savings may vary depending on the application and usage.





## MasterConnect LEDtube – lighting possibilities

Occupancy sensor



### Meeting rooms

Optimize energy savings by automatically switching on/off the light when entering/leaving the room.

Occupancy and daylight sensor



### Classrooms

Optimize comfort by adjusting the light level to the amount of natural light in the room.

4-button switch



### Conference rooms

Group the lamps and adjust the level of light depending on the activity (e.g. presentation mode, focus time)

IP65 sensor



### Storage/parking garages

Maximize energy savings by automatically boosting or dimming the lights depending on presence in the area.



## MasterConnect LEDspot – lighting possibilities

### Meeting rooms

Group the lamps and optimize lighting for various tasks. Adjust natural/artificial light level in a balanced way.

Occupancy and daylight sensor



### Retail

Optimize shelf lighting by boosting or dimming the light level where needed or by setting different scenes.

4-button switch



### Hospitality/restaurants

Group the lamps and adjust the light level or set different scenes to create the desired ambiance.

4-button switch



## Simple. Scalable. Standardized.

Discover how Philips MasterConnect LEDlamps are a win-win for you and your customers.



<p><b>Truly easy installation</b></p> <ul style="list-style-type: none"> <li>✓ Wireless retrofits - minimum renovation</li> <li>✓ No additional wiring and gateway needed</li> <li>✓ Intuitive mobile app set up - 'install and forget'</li> </ul>	<p><b>More convenient than ever before</b></p> <ul style="list-style-type: none"> <li>✓ Lighting automation enhances comfort</li> <li>✓ Wireless dimming</li> <li>✓ Easily set up scenes</li> </ul>
<p><b>Reliable quality</b></p> <ul style="list-style-type: none"> <li>✓ Wide selection of high-quality LED lamps</li> <li>✓ Minimal maintenance thanks to guaranteed product lifetime and system reliability</li> </ul>	<p><b>Improved energy savings</b></p> <ul style="list-style-type: none"> <li>✓ Various lighting control strategies available to improve energy efficiency and maximize savings</li> </ul>
<p><b>Future-proof solution</b></p> <ul style="list-style-type: none"> <li>✓ Become a trusted advisor and set up service contracts for recurring business</li> </ul>	<p><b>Grow your business, grow your light</b></p> <ul style="list-style-type: none"> <li>✓ Upgradable to a cloud-based solution without reinvesting in hardware</li> </ul>

### MasterConnect LEDtube

Product type	LED	Lumen Output	Dimmable	Beam Angle	CRI	Color Temp.	EEL	EOC code
	W	lm				K		
MC LEDtube IA 600mm HO 7W840 T8	7	1050	Wireless Dim	160 °	83	4000	D	71748300
MC LEDtube IA 600mm HO 7W865 T8			Wireless Dim	160 °	83	6500	D	71750600
MC LEDtube IA 1200mm UO 16W840 T8	16	2500	Wireless Dim	160 °	83	4000	D	66970600
MC LEDtube IA 1200mm UO 16W865 T8			Wireless Dim	160 °	83	6500	D	66972000
MC LEDtube IA 1500mm UO 25W840 T8	25	3700	Wireless Dim	160 °	83	4000	D	66976800
MC LEDtube IA 1500mm UO 25W865 T8			Wireless Dim	160 °	83	6500	D	66978200



### MasterConnect LEDspot

Product type	LED	Lumen Output	Dimmable	Beam Angle	CRI	Color Temp.	EEL	EOC code
	W	lm				K		
MC LEDspot IA 4.7-50W GU10 927 36D	4.7	345	Wireless Dim	36 °	90	2700	F	69392300
MC LEDspot IA 4.7-50W GU10 930 36D			Wireless Dim	36 °	90	3000	F	69394700
MC LEDspot IA 4.7-50W GU10 940 36D			Wireless Dim	36 °	90	4000	F	69396100



### Samrt Sensor

Product type	IP rating	EOC Code
OCC Sensor IA CM IP42 WH (presence detection)	IP42	77752700
OCC-DL SENSOR IA CM IP42 WH (presence + daylight detection)		77754100
OCC Sensor IA CM IP65 WH (presence detection)	IP65	74542400
OCC-DL Sensor IA CM IP65 WH (presence + daylight detection)		74545500



### Smart wall-switch

Product type	EOC Code
UID8470/10 ZGP Switch Dim 2B	27377100
UID8480/10 ZGP Switch Scene Recall 4B	27380100



### Smart wall-switchInteract Pro - Gateway

Product type	EOC Code
LCN1840/05 Wireless Gateway EU	77579000



# LED Spot



## Master LED MR16 ExpertColor

Master ExpertColor LED MR16 creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customized spectrum, high CRI, and deep dimming feature.

The result? A beautiful lighting experience. The innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. The Master ExpertColor LED MR16 is well designed and robust, offering a variety of beam angles to manage a clearly defined beam spread suitable across various applications. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers.

Applications: Hospitality: hotel guest room, corridors, lobby, reception area, restaurants, bars, cafes; Home: living room, bedrooms, hall way; Retail: exhibitions, display cabinets, shops, dressing rooms; Perfect for hospitality suites and guest room requiring adjustable settings

### Features

- Customized color spectrum replicates halogen light color
- Deep and smooth dimming
- Best-in-class color realization, CRI97
- Innovative, trimless design with V-groove lens
- Lifetime of 40,000 hours

### Benefits

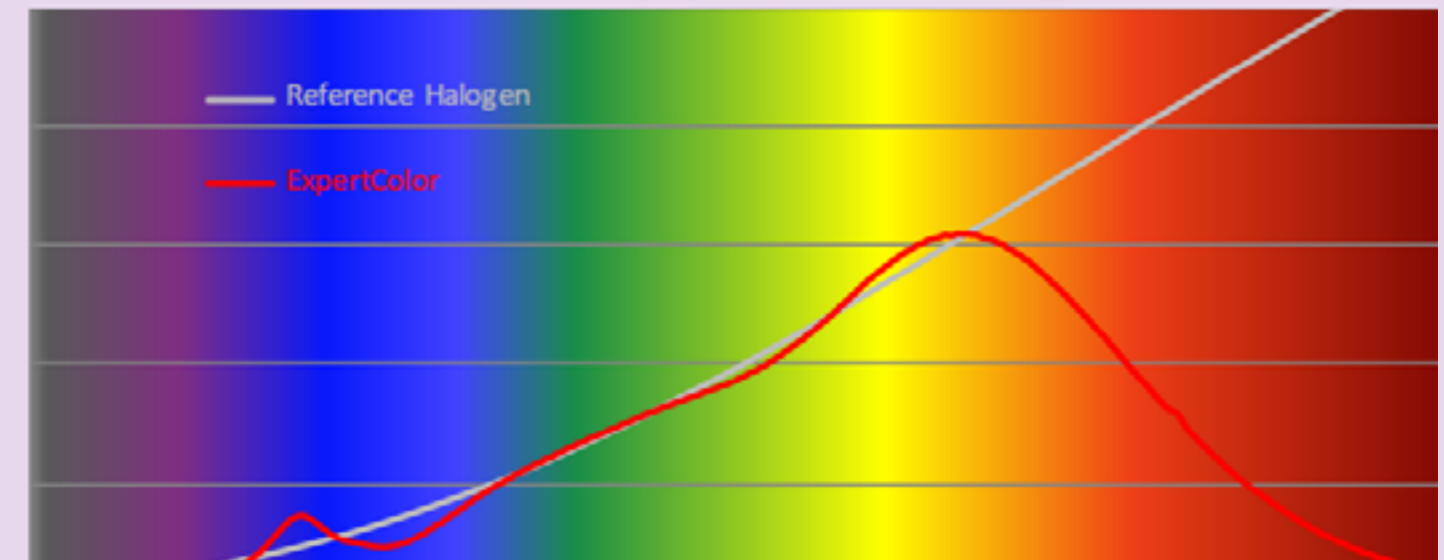
- Furnishings and fabrics look great
- Creates integrated look with minimal design to suit every application
- Efficient and sustainable, up to 85% energy savings compared to halogen lamp
- Broad compatibility with transformers
- Hassle-free retrofit solution, Retrofits into vast majority of GU5.3 based fixtures & E27 based fixtures



## Experience perfect color with our new LED technology

The ExpertColor technology offers superb light quality with **halogen-like color realization**. The advanced phosphor technology provides high color fidelity, with a **color rendering index of 97**, and high color saturation (**close to 100%**) with great rendering of reds (**R9 >85**). So you can bring out the true colors in furnishings and interior decors to add even more appeal.

MASTER LED MR16 ExpertColor features an optimized light spectrum to create a warm ambience



ExpertColor replicates halogen light color. ExpertColor offers 93.9% close to halogen light color, standard LED offers around 60%.

# Master LED MR16 ExpertColor

## Product specifications

Product type	Product code	Power wattage	Replaced wattage	Base	Beam angle	Lumen	Color temp.	Intensity	Lifetime	CRI	Voltage	Dimming
	12NC	W	W		°	lm	K	Cd	Hours	Ra	V	
MAS LED MR16 ExpertColor 7.2-50W 927 10D	929001241908	6.7	50	GU5.3	10	450	2700	4500	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 930 10D	929001242008	6.7	50	GU5.3	10	480	3000	5000	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 940 10D	929001242108	6.7	50	GU5.3	10	480	4000	5000	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 927 24D	929001242208	6.7	50	GU5.3	24	450	2700	2200	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 930 24D	929001242308	6.7	50	GU5.3	24	480	3000	2400	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 940 24D	929001242408	6.7	50	GU5.3	24	480	4000	2400	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 927 36D	929001242508	6.7	50	GU5.3	36	450	2700	1350	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 930 36D	929001242608	6.7	50	GU5.3	36	480	3000	1450	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 940 36D	929001242708	6.7	50	GU5.3	36	480	4000	1450	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 927 60D	929001341408	6.7	50	GU5.3	60	450	2700	410	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 930 60D	929001341508	6.7	50	GU5.3	60	480	3000	440	40000	97	12	Yes
MAS LED MR16 ExpertColor 7.2-50W 940 60D	929001341608	6.7	50	GU5.3	60	480	4000	440	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 927 10D EZ10	929001302318	6.7	50	EZ10	10	450	2700	4500	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 930 10D EZ10	929001302418	6.7	50	EZ10	10	480	3000	5000	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 940 10D EZ10	929001302518	6.7	50	EZ10	10	480	4000	5000	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 927 24D EZ10	929001302618	6.7	50	EZ10	24	450	2700	2200	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 930 24D EZ10	929001302718	6.7	50	EZ10	24	480	3000	2400	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 940 24D EZ10	929001302818	6.7	50	EZ10	24	480	4000	2400	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 927 36D EZ10	929001302918	6.7	50	EZ10	36	450	2700	1350	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 930 36D EZ10	929001303018	6.7	50	EZ10	36	480	3000	1450	40000	97	12	Yes
MAS MR16 ExpertColor 7.2-50W 940 36D EZ10	929001303118	6.7	50	EZ10	36	480	4000	1450	40000	97	12	Yes



## Master LED MR16

Delivering intense accent beam, MASTER LED MR16 is an ideal retrofit solution for spot light. Thanks to its high CRI, it realize more natural colors, enabling cozy and comfortable ambience for residential, hospitality and emphasize the beauty of merchandise in retail. MASTER LED MR16 is compatible with most existing fixtures with a MR16 GU 5.3 holder and designed as a retrofit replacement for halogen or incandescent spots. Not only it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. MASTER LED MR16 delivers huge energy savings and minimizes maintenance cost without any compromise on brightness, enabling residential owners and business owners to achieve a return on their investment within short period time with its efficiency energy use and long life time. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.).

Applications: Ideal for accent lighting in hotels, hospitals, shops and museums (e.g. floors, elevators, displays); Dimmable versions are perfect for hospitality suites and guest rooms requiring adjustable settings

### Features

- Dimmable (6.5W and 7.5W versions)
- Patented intelligent driver
- Air movement mechanism
- Lifetime of 25,000-40,000 hours
- CRI80-90

### Benefits

- High intensity of beam equivalent to halogen spots
- Better color realization with high CRI value
- Clearly defined beam spread for accent lighting
- Compatible with an extensive range of transformers and smooth dimming for dimmable products
- Can be retrofitted with low-voltage MR16 halogen lamps with GU5.3 sockets

### Product specifications

Product Type	Product code	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming
	12NC	W	W	K	°	lm	Cd	Hours	Ra	V	
MASTER LED 6.5-50W 927 MR16 24D ND	929001881908	6.5	50	2700	24	470	2300	40000	90	12	No
MASTER LED 6.5-50W 930 MR16 24D ND	929001882008	6.5	50	3000	24	470	2300	40000	90	12	No
MASTER LED 6.5-50W 940 MR16 24D ND	929001882108	6.5	50	4000	24	520	2500	40000	90	12	No
MASTER LED 6.5-50W 927 MR16 36D ND	929001882208	6.5	50	2700	36	470	1400	40000	90	12	No
MASTER LED 6.5-50W 930 MR16 36D ND	929001882308	6.5	50	3000	36	470	1400	40000	90	12	No
MASTER LED 6.5-50W 940 MR16 36D ND	929001882408	6.5	50	4000	36	520	1500	40000	90	12	No



## Product specifications

Product Type	Product code	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming
	12NC	W	W	K	°	lm	Cd	Hours	Ra	V	
MASTER LED 6.5-50W 927 MR16 10D Dim	929003071608	6.5	50	2700	10	500	5300	40000	90	12	Yes
MASTER LED 6.5-50W 930 MR16 10D Dim	929003071708	6.5	50	3000	10	500	5300	40000	90	12	Yes
MASTER LED 6.5-50W 940 MR16 10D Dim	929003071808	6.5	50	4000	10	530	5600	40000	90	12	Yes
MASTER LED 6.5-50W 927 MR16 24D Dim	929003071908	6.5	50	2700	24	500	2500	40000	90	12	Yes
MASTER LED 6.5-50W 930 MR16 24D Dim	929003072008	6.5	50	3000	24	500	2500	40000	90	12	Yes
MASTER LED 6.5-50W 940 MR16 24D Dim	929003072108	6.5	50	4000	24	530	2700	40000	90	12	Yes
MASTER LED 6.5-50W 927 MR16 36D Dim	929003072208	6.5	50	2700	36	500	1400	40000	90	12	Yes
MASTER LED 6.5-50W 930 MR16 36D Dim	929003072308	6.5	50	3000	36	500	1400	40000	90	12	Yes
MASTER LED 6.5-50W 940 MR16 36D Dim	929003072408	6.5	50	4000	36	530	1500	40000	90	12	Yes
MASTER LED 6.5-50W 927 MR16 60D Dim	929003075908	6.5	50	2700	60	500	500	40000	90	12	Yes
MASTER LED 6.5-50W 930 MR16 60D Dim	929003076008	6.5	50	3000	60	500	500	40000	90	12	Yes
MASTER LED 6.5-50W 940 MR16 60D Dim	929003076108	6.5	50	4000	60	530	550	40000	90	12	Yes
MASTER LED 7.5-50W+ 827 MR16 24D Dim	929003072508	7.5	50	2700	24	660	3100	40000	80	12	Yes
MASTER LED 7.5-50W+ 830 MR16 24D Dim	929003072608	7.5	50	3000	24	660	3250	40000	80	12	Yes
MASTER LED 7.5-50W+ 827 MR16 36D Dim	929003072708	7.5	50	2700	36	660	1700	40000	80	12	Yes
MASTER LED 7.5-50W+ 830 MR16 36D Dim	929003072808	7.5	50	3000	36	660	1700	40000	80	12	Yes
MASTER LED 7.5-50W+ 840 MR16 36D Dim	929003072908	7.5	50	4000	36	710	1800	40000	80	12	Yes
MASTER LED 6.5-50W 927 MR16 24D ND	929001881908	6.5	50	2700	24	470	2300	40000	90	12	No
MASTER LED 6.5-50W 930 MR16 24D ND	929001882008	6.5	50	3000	24	470	2300	40000	90	12	No
MASTER LED 6.5-50W 940 MR16 24D ND	929001882108	6.5	50	4000	24	520	2500	40000	90	12	No
MASTER LED 6.5-50W 927 MR16 36D ND	929001882208	6.5	50	2700	36	470	1400	40000	90	12	No
MASTER LED 6.5-50W 930 MR16 36D ND	929001882308	6.5	50	3000	36	470	1400	40000	90	12	No
MASTER LED 6.5-50W 940 MR16 36D ND	929001882408	6.5	50	4000	36	520	1500	40000	90	12	No



## Master LED MR11

Philips 12V MR11 LED lamps is the latest product in series of low voltage (12VAC), Halogen MR11 replacement.

Applications: Hospitality: hotel, restaurant, café, bar; Retail: display cabinet, museum; Home: kitchen, wardrobe, cabinet, etc.

### Features

- Clearly defined beam spread
- UV and IR free light

### Benefits

- Up to 80% energy savings compared to a 20W halogen MR11
- Long lifetime of 15,000-40,000 hours
- Retrofit into a vast majority of luminaires with GU4 sockets
- Good for heat sensitive objects like organic, food, leather goods, paintings

### Product specifications

Product Type	Product code	Power Wattage	Replaced Wattage	Beam Angle	Lumen	Color temp.	Intensity	Life Time	CRI	Voltage	Dimming
	12NC	W	W	“	lm	K	Cd	Hours	Ra	V	
CorePro LED spot 2.3-20W 827 MR11 36D	929002066402	2.3	20	36	200	2700	400	25000	80	12	No
MAS LEDspotLV 3.5-20W 827 MR11 24D	929003087002	3.5	20	24	210	2700	1000	40000	80	12	No





## High Lumen MR16

Philips high lumen LED MR16 brings out the true beauty of the merchandise by intense light with small form factor. It provides the right light to emphasize the merchandise and create bright and refreshing shopping environment. Not only its superior light quality, its innovative, trim-less V-groove lens will suit any kind of store interior without creating techy look. It is a hasslefree retrofit solution. It fits most of luminaires to make re-lamping and renovation projects as easy as possible.

Applications: Retail stores: Fashion retail, Cosmetics retail, Jewelry; Store's display area. Window display area, dressing; Rooms; Museum: display area for art-works; Exhibition

### Features

- High lumen output
- Strong punch effect in light beam
- Trimless design with V-groove lens
- High efficiency with 50,000 hr lifetime
- No UV and Cool Beam(no IR)

### Benefits

- Emphasize merchandise display with strong intensive light
- Trimless design enables integrated look with luminaries to suit any kind of store interior style
- Strong performance of color realization and light effect stays over time
- Working with dimmable LED driver to enable dimmability
- Hassle free retrofit solution with GU5.3 luminaries

### Product specifications

Product type	Product code	Power wattage	Base	Beam angle	Lumen	Color temp.	Intensity	Lifetime	CRI	Voltage	Dimming
	12NC	W			lm	K	Cd	Hours	Ra	V	
MR16 1200 827 36D	929001814308	9	GU5.3	36	1200	2700	2300	50000	80	36-40	Yes
MR16 1200 830 36D	929001814408	9	GU5.3	36	1200	3000	2300	50000	80	36-40	Yes
MR16 1200 840 36D	929001817808	9	GU5.3	36	1300	4000	2500	50000	80	36-40	Yes
MR16 1000 927 36D	929001918210	9	GU5.3	36	950	2700	1900	50000	90	36-40	Yes
MR16 1000 930 36D	929001918310	9	GU5.3	36	950	3000	1900	50000	90	36-40	Yes
MR16 1000 940 36D	929001918410	9	GU5.3	36	1000	4000	2000	50000	90	36-40	Yes
MR16 800 927 24D	929001918510	9	GU5.3	24	800	2700	2800	50000	90	36-40	Yes
MR16 800 930 24D	929001918610	9	GU5.3	24	800	3000	2800	50000	90	36-40	Yes
MR16 800 940 24D	929001918710	9	GU5.3	24	850	4000	3000	50000	90	36-40	Yes



MR16 GU5.3

## Master LED GU10 & Essential LED GU10

Master LED ExpertColor GU10 creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior light quality that has a customized spectrum, high CRI, and deep dimming feature. These LEDspots has familiar look and feel of glass spot, it keeps classic beauty of glass spot and strong performance from LED technology. The innovative, trimless lens design will also suit most of interior decor style. Master LED ExpertColor GU10 is compatible with most existing fixtures with a GU10 holder and designed as a retrofit replacement for halogen GU10 lamps.

Applications: Retail; Hospitality; Residentail/Home

### Features

- Compatible with an extensive range of dimmers
- Lifetime of 15,000 to 40,000 hours
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive object

### Benefits

- Up to 80% energy savings compared to halogen lamp
- Easy retrofit
- Lower maintenance costs

### Product specifications

Product Type	Product code	Lamp Watta-ge	Replaced Watta-ge	C o l o r temp.	Beam An- gle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming
	12NC	W	W	K	Degree	lm	cd	Hours	Ra	V	
MAS LED ExpertColor 5.5-50W GU10 927 24D	929001347008	5.5	50	2700	24	385	1000	40000	97	220-240	Yes
MAS LED ExpertColor 5.5-50W GU10 930 24D	929001347108	5.5	50	3000	24	405	1000	40000	97	220-240	Yes
MAS LED ExpertColor 5.5-50W GU10 927 36D	929001347308	5.5	50	2700	36	385	800	40000	97	220-240	Yes
MAS LED ExpertColor 5.5-50W GU10 930 36D	929001347408	5.5	50	3000	36	405	800	40000	97	220-240	Yes
Master LED 5-50W GU10 927 36D Dim	929001348808	5	50	2700	36	395	650	25000	90	220-240	Yes
Master LED 5-50W GU10 930 36D Dim	929001348908	5	50	3000	36	405	650	25000	90	220-240	Yes
Master LED 5-50W GU10 940 36D Dim	929001349008	5	50	4000	36	420	700	25000	90	220-240	Yes
MAS LEDspot VLE D 5-50W GU10 830 36D Dim	929002348402	5	50	3000	36	400	650	25000	80	220-240	Yes
MAS LEDspot VLE D 5-50W GU10 840 36D Dim	929002351102	5	50	4000	36	450	750	25000	80	220-240	Yes
MAS LEDspot VLE D 5-50W GU10 865 36D Dim	929002369602	5	50	6500	36	450	750	25000	80	220-240	Yes
MAS LED spot VLE D 6.2-80W GU10 930 36D	929002068402	6.2	80	3000	36	650	850	25000	90	220-240	Yes
MAS LED spot VLE D 6.2-80W GU10 940 36D	929002066002	6.2	80	4000	36	680	850	25000	90	220-240	Yes
MAS LED spot VLE D 6.2-80W GU10 965 36D	929002209902	6.2	80	6500	36	680	850	25000	90	220-240	Yes
MAS LED spot VLE D 650lm GU10 930 120D	929002210002	6.2	80	3000	120	650	850	25000	90	220-240	Yes
MAS LED spot VLE D 680lm GU10 940 120D	929002210102	6.2	80	4000	120	680	850	25000	90	220-240	Yes
MAS LED spot VLE D 680lm GU10 965 120D	929002210202	6.2	80	6500	120	680	850	25000	90	220-240	Yes
Essential LED 4.6-50W GU10 827 36D	929001215208	4.6	50	2700	36	395	700	15000	80	220-240	No



ExpertColor GU10



Master GU10



Essential GU10

## MASTER LEDspot ExpertColor AR111

MASTER LEDspot LV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customized spectrum, high CRI, and deep dimming feature. The results a beautiful lighting experience. What's more, the innovative, trimless lens design will suit almost any interior decor with its clean and neat look.

### Features

- Customized color spectrum replicates halogen light color
- Trimless design with beautiful V-groove lens
- Best-in-class color realization CRI97
- Deep and smooth dimming with broad transformer compatibility
- Retrofittable with G53 luminaires

### Benefits

- Create warm and comfortable ambience
- Hassle-free retrofit solution for greater energy efficiency and sustainability
- Interior decor, furnishings and fabrics look great

### Product specifications

Product Type	Product code	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming
	12NC	W	W	K	Degree	lm	cd	Hours	Ra	V	
MAS LED ExpertColor 11-50W 927 AR111 8D	929002238408	11	50	2700	8	680	8000	40000	97	12	Yes
MAS LED ExpertColor 11-50W 930 AR111 8D	929002238508	11	50	3000	8	730	8000	40000	97	12	Yes
MAS LED ExpertColor 11-50W 927 AR111 24D	929002238608	11	50	2700	24	650	3000	40000	97	12	Yes
MAS LED ExpertColor 11-50W 930 AR111 24D	929002238708	11	50	3000	24	680	3000	40000	97	12	Yes
MAS LED ExpertColor 11-50W 927 AR111 40D	929002238808	11	50	2700	40	650	1300	40000	97	12	Yes
MAS LED ExpertColor 11-50W 930 AR111 40D	929002238908	11	50	3000	40	680	1300	40000	97	12	Yes
MAS LED ExpertColor 15-75W 927 AR111 24D	929002239008	15	75	2700	24	950	3500	40000	97	12	Yes
MAS LED ExpertColor 15-75W 930 AR111 24D	929002239108	15	75	3000	24	1000	3500	40000	97	12	Yes
MAS LED ExpertColor 15-75W 927 AR111 40D	929002239308	15	75	2700	40	950	1400	40000	97	12	Yes
MAS LED ExpertColor 15-75W 930 AR111 40D	929002239408	15	75	3000	40	1000	1400	40000	97	12	Yes
MAS LEExpertColor 20-100W 927 AR111 24D	929003478608	20	100W	2700K	24	1500	4000	40000	97	12	Yes
MAS LEExpertColor 20-100W 930 AR111 24D	929003478708	20	100W	3000K	24	1600	4200	40000	97	12	Yes
MAS LEExpertColor 20-100W 940 AR111 24D	929003478808	20	100W	4000K	24	1700	4400	40000	97	12	Yes
MAS LEExpertColor 20-100W 927 AR111 45D	929003478908	20	100W	2700K	45	1500	2100	40000	97	12	Yes
MAS LEExpertColor 20-100W 930 AR111 45D	929003479008	20	100W	3000K	45	1600	2200	40000	97	12	Yes
MAS LEExpertColor 20-100W 940 AR111 45D	929003479108	20	100W	4000K	45	1700	2300	40000	97	12	Yes
MAS LEExpertColor 20-100W 930 AR111 15D	929003478408	20	100W	3000K	15	1600	8500	40000	97	12	Yes
MAS LEExpertColor 20-100W 940 AR111 15D	929003478508	20	100W	4000K	15	1700	8500	40000	97	12	Yes



## Master LED PAR & Essential LED PAR

With its robust design and warm-white beam of light, these new-generation PAR lamps are ideal for general lighting and spot lighting in the hospitality industry. Dimmable and non-dimmable models are available for your careful selection to meet various application needs. They are especially suitable for public areas such as lobbies, corridors, stairwells, where the light is always on. Compatible with existing fixtures with an E27 holder and designed for retrofit replacement of halogen or incandescent lamps,

Philips Master LEDspot PAR brings you huge energy savings while minimizing maintenance costs without any reduction in brightness.

Applications: Retail, Hospitality

### Features

- Lifetime of 15,000 to 25,000 hours
- Dim & Non Dimmable
- UV and IR-free, ideal for lighting heat-sensitive objects
- Free of mercury and hazardous materials

### Benefits

- Up to 80% energy savings compared to halogen lamp
- Easy retrofit and compatible with existing fixtures with E27 holder
- Lower maintenance costs

### Product specifications

Product Type	Product code	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming
	12NC	W	W	K	Degree	lm	cd	Hours	Ra	V	
Essential LED 14-120W PAR38 827 25D	929002339108	14	120	2700	25	1200	5000	15000	80	220-240	No
MAS LEDspot D 6-50W E27 827 PAR20 25D	929002338008	6	50	2700	25	520	1500	25000	80	220-240	Yes
MAS LEDspot D 12-100W E27 927 PAR30S 25D	929002030808	12	100	2700	25	1000	3000	25000	90	220-240	Yes
MAS LEDspot D 13-100W E27 927 PAR38 25D	929002339008	13	100	2700	25	1000	4000	25000	90	220-240	Yes



Dimmable PAR20



Dimmable PAR30S



Dimmable PAR38



Essential PAR30S

## High Lumen PAR30L

Philips 220-240V High Lumen PAR30L integrates a leading COB LED light source and a compact high efficiency driver into a traditional CDM PAR30L form-factor. It brings out the beauty in merchandise with brighter, high performance lighting.

Applications: Retail, Hospitality

### Features

- Lifetime 25,000 hours (B50, L70)
- Emits virtually no heat and will not fade colors
- Discharges virtually no UV/IR light
- Environmental friendly, RoHS compliant, contains no Mercury or other hazardous substances

### Benefits

- Up to 54% energy savings compared to standard CDM lamps
- Lower initial investment for LED CDM replacement PAR30
- Easy retrofit and compatible with existing fixtures with E27 holder
- High efficiency solution >100lm/W
- Safe design with over temperature protection (OTP)

### Product specifications

Product Type	Product code	Lamp Wattage	Replaced Wattage	Color temp.	B e a m Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming
	12NC	W	W	K	Degree	lm	cd	Hours	Ra	V	
Master LED PAR30L 20W 15D 830	929001353808	20	35	3000	15	1800	18000	25000	82	220-240	No
Master LED PAR30L 20W 30D 840	929001354108	20	35	4000	30	1850	5550	25000	82	220-240	No
Master LED PAR30L 32W 30D 830	929001354708	32	50	3000	30	3000	9200	25000	82	220-240	No
Master LED PAR30L 32W 30D 840	929001354808	32	50	4000	30	3000	9600	25000	82	220-240	No
Master LED PAR30L 32W 30D 857	929001354908	32	50	5700	30	3000	38500	25000	82	220-240	No



20W-40W

## LED Capsules

The LED capsules deliver a high quality light to make themselves to be a true replacement of halogen Capsule lamp. It is particularly suit for task lighting in hotel and restaurants, and ideal for decorative and ambient application. LED capsule products deliver huge energy saving and minimize maintenance costs, without any compromise on light quality.

Applications: Retail (exhibitions, display cabinets); Hospitality/ Museums (reception areas); Residential

### Features

- Easy retrofit
- Lifetime of 10,000- 15,000 hours
- UV- and IR-free light
- Free of mercury and hazardous materials - RoHS compliant

### Benefits

- Up to 90% energy saving compared with halogen lamps
- Lower maintenance costs
- Broad compatibility with transformers

### Product specifications

Product Type	Product code	Cap	Lamp Wattage	Replaced Wattage	Color temp.	Lumen	MBCP	Life Time	CRI	Voltage	D i m - ming
	12NC		W	W	K	lm	cd	Hours	Ra	V	
CorePro LEDcapsuleLV 1-10W G4 827	929002388802	G4	1	10	2700	115	NA	15000	80	12	No
CorePro LEDcapsuleLV 1-10W G4 830	929002388902	G4	1	10	3000	120	NA	15000	80	12	No
CorePro LEDcapsuleLV 1.8-20W G4 827	929002389002	G4	1.8	20	2700	205	NA	15000	80	12	No
CorePro LEDcapsuleLV 1.8-20W G4 830	929002389102	G4	1.8	20	3000	215	NA	15000	80	12	No
CorePro LEDcapsuleLV 2.7-28W G4 827	929002389202	G4	2.7	28	2700	315	NA	15000	80	12	No
CorePro LEDcapsuleLV 2.7-28W G4 830	929002389302	G4	2.7	28	3000	330	NA	15000	80	12	No
CorePro LEDcapsuleLV 2.1-20W G4 827 D	929002389402	G4	2.1	20	2700	210	NA	15000	80	12	Yes
CorePro LEDcapsule 2-25W ND G9 827	929002495202	G9	2	25	2700	210	NA	15000	80	220-240	No
CorePro LEDcapsule 2-25W ND G9 830	929002495302	G9	2	25	3000	220	NA	15000	80	220-240	No
CorePro LEDcapsule 3.2-40W ND G9 827	929002495502	G9	3.2	40	2700	380	NA	15000	80	220-240	No
CorePro LEDcapsule 3.2-40W ND G9 830	929002495602	G9	3.2	40	3000	400	NA	15000	80	220-240	No
CorePro LEDcapsuleMV 2.6-25W G9 827 D	929002389902	G9	2.6	25	2700	300	NA	15000	80	220-240	Yes
CorePro LEDcapsule ND 4.8-60W G9 827	929002055102	G9	4.8	60	2700	570	NA	15000	80	220-240	No
CorePro LEDcapsule ND 4.8-60W G9 830	929002059802	G9	4.8	55	3000	570	NA	15000	80	220-240	No



G9\_3.2W-4.8W



G9\_2.6w



G9\_2W



G9\_3.2W



G4\_1W



G4\_1.8W-2.7W

LED Tube



## MASTER LEDtube T8

The Philips MASTER LEDtube cleverly integrates LED light sources into a traditional fluorescent form factor. Its unique design creates a perfectly familiar and uniform visual appearance which cannot be distinguished from its traditional fluorescent equivalent. For volume usage, and wide-scale applications, the MASTER LEDtube is great value-for-money, actualizing your projects within limited budgets and easy re-lamping works can be done to achieve better light effects and lifetime.

### Product specifications

Product type	Product Code	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming
	12NC	lm	W	V	K	°	Ra	Pf	Hours	Hz	
MAS LEDtube 600mm HO 8W865 T8	929003557408	1050	8	220-240	6500	190	80	>0.9	60000	50/60	No
MAS LEDtube 600mm HO 8W840 T8	929003557308	1050	8	220-240	4000	190	80	>0.9	60000	50/60	No
MAS LEDtube 600mm HO 8W830 T8	929003557208	1000	8	220-240	3000	190	80	>0.9	60000	50/60	No
MAS LEDtube 1200mm HO 14W865 T8	929003556208	2100	14	220-240	6500	190	80	>0.9	60000	50/60	No
MAS LEDtube 1200mm HO 14W840 T8	929003556108	2100	14	220-240	4000	190	80	>0.9	60000	50/60	No
MAS LEDtube 1200mm HO 14W830 T8	929003556008	2000	14	220-240	3000	190	80	>0.9	60000	50/60	No
MAS LEDtube VLE 600mm HO 8W 830 T8	929003069808	1000	8	220-240	3000	240	80	>0.9	50000	50/60	No
MAS LEDtube VLE 600mm HO 8W 840 T8	929003069908	1050	8	220-240	4000	240	80	>0.9	50000	50/60	No
MAS LEDtube VLE 600mm HO 8W 865 T8	929003070008	1050	8	220-240	6500	240	80	>0.9	50000	50/60	No
MAS LEDtube VLE 1200mm HO 14W830 T8	929003070108	2000	14	220-240	3000	240	80	>0.9	50000	50/60	No
MAS LEDtube VLE 1200mm HO 14W840 T8	929003070208	2100	14	220-240	4000	240	80	>0.9	50000	50/60	No
MAS LEDtube VLE 1200mm HO 14W865 T8	929003070308	2100	14	220-240	6500	240	80	>0.9	50000	50/60	No
MAS LEDtube STD 1200mm 10.5W865 T8 I	929003555908	1600	10.5	220-240	6500	190	80	>0.9	60000	50/60	No
MAS LEDtube STD 1200mm 10.5W840 T8 I	929003555808	1600	10.5	220-240	4000	190	80	>0.9	60000	50/60	No
MAS LEDtube 1200mm UO 14.7W 830 T8	929002998202	2300	14.7	220-240	3000	160	80	>0.9	75000	50/60	No
MAS LEDtube 1200mm UO 14.7W 840 T8	929002998302	2500	14.7	220-240	4000	160	80	>0.9	75000	50/60	No
MAS LEDtube 1200mm UO 14.7W 865 T8	929002998402	2500	14.7	220-240	6500	160	80	>0.9	75000	50/60	No
MAS LEDtube 1500mm UO 21.7W 830 T8	929002998502	3400	21.7	220-240	3000	160	80	>0.9	75000	50/60	No
MAS LEDtube 1500mm UO 21.7W 840 T8	929002998602	3700	21.7	220-240	4000	160	80	>0.9	75000	50/60	No
MAS LEDtube 1500mm UO 21.7W 865 T8	929002998702	3700	21.7	220-240	6500	160	80	>0.9	75000	50/60	No
MAS LEDtube 1200mm UE 13.5W 840 T8	929003067002	2500	13.5	220-240	4000	160	80	>0.9	75000	50/60	No
MAS LEDtube 1200mm UE 13.5W 865 T8	929003067102	2500	13.5	220-240	6500	160	80	>0.9	75000	50/60	No
MAS LEDtube 1500mm UE 20W 840 T8	929003067202	3700	20	220-240	4000	160	80	>0.9	75000	50/60	No
MAS LEDtube 1500mm UE 20W 865 T8	929003067302	3700	20	220-240	6500	160	80	>0.9	75000	50/60	No
MAS LEDtube 1200mm UE 11.9W 840 T8 EELA	929003482202	2500	11.9	220-240	4000	160	80	>0.9	100000	50/60	No
MAS LEDtube 1500mm UE 17.6W 840 T8 EELA	929003482302	3700	17.6	220-240	4000	160	80	>0.9	100000	50/60	No

### Features

- Fit-and-forget LED tube, a direct replacement for T8 fluorescent tube
- Energy consumption >50% lower than fluorescent tubes
- Lifetime up to 100,000hours: up to 5 times longer than fluorescent lamps
- Full safety features and EM Protector safety device; completely safe installation process
- No mercury

### Benefits

- Reduced operational costs due to lower need for maintenance
- Energy savings and a long life time
- Fastest and easiest way to upgrade existing luminaire to LED technology without a need for re-wiring
- Comfort to the eye, and minimal heat

### Applications

- Retail, industry, offices, schools, hospitals,
- Indoor public spaces, parking lots, covered car parks,
- Warehouses, coldrooms, signages, transport and distribution areas





## CorePro LEDtube T8

Philips CorePro LEDtube is an affordable LED tube suitable for T8 fluorescent replacements. The product delivers a natural lighting effect that is needed across a wide range of general lighting applications. It also brings instant energy savings and cost savings, when applied to projects of substantial scale, making this a much more environmentally-friendly and superior solution to replace fluorescents.

### Features

- Affordable LED replacement for T8 fluorescent tubes
- Energy consumption >50% lower than fluorescent tubes
- 30,000 hours lifetime, twice the length of normal fluorescents
- No mercury

### Benefits

- Reduced electricity costs thanks to significant energy savings
- Longer lifetime equates to reduced maintenance costs
- A better choice for the environment
- Comfort to the eye, and minimal heat

### Applications

- Retail, offices
- Industry, warehouses,
- Public places, schools, hospitals, car parks

### Product specifications

Product type	Product Code	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming
	12NC	lm	W	V	K	°	Ra	Pf	Hours	Hz	
CorePro LEDtube 600mm 8W840 T8 AP I	929001338608	800	8	220-240	4000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 600mm 8W865 T8 AP I	929001338708	800	8	220-240	6500	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1200mm 14.5W840 T8AP I	929001338808	1600	14.5	220-240	4000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1200mm 14.5W865 T8AP I	929001338908	1600	14.5	220-240	6500	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1500mm 20W840 T8AP I	929001337908	2200	20	220-240	4000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1500mm 20W865 T8AP I	929001338008	2200	20	220-240	6500	240	80	>0.9	30,000	50/60	No
Corepro LEDtube HO 1200mm 18W840T8 AP	929001383408	2100	18	220-240	4000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube HO 1200mm 18W865T8 AP	929001383508	2100	18	220-240	6500	240	80	>0.9	30,000	50/60	No



## CorePro LEDtube T5 Mains

Philips CorePro LEDtube T5 is a reliable value-for-money LED lamp out of Philips Lighting portfolio, incorporated with frontier LED chips and other advanced technologies. The product helps customers to achieve up to 50% energy savings and significant maintenance cost reduction by comparing to fluorescent lamps. It also helps generate natural and comfortable lighting effect, and to build up green and environmental friendly image for our customers.

### Features

- Protection circuit inside ensuring people's safety in case of misuse, complying with IEC safety requirements
- Advanced optical design ensures a uniform light output and superior optical efficiency

### Benefits

- Reliable operation between -20°C to 45°C ambient temperature
- 50,000 switching cycles
- Energy savings up to 40%

### Applications

- Retail, offices
- Industry, warehouses,
- Public places, schools, hospitals, car parks

### Product specifications

Product type	Product Code	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming
	12NC	lm	W	V	K	°	Ra	Pf	Hours	Hz	
CorePro LEDtube 600mm 8W830 G5   APR	929001380608	1000	8	100-240	3000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 600mm 8W840 G5   APR	929001380708	1050	8	100-240	4000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 600mm 8W865 G5   APR	929001380808	1050	8	100-240	6500	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1200mm 16W830 G5   APR	929001380908	2000	16	100-240	3000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1200mm 16W840 G5   APR	929001381008	2100	16	100-240	4000	240	80	>0.9	30,000	50/60	No
CorePro LEDtube 1200mm 16W865 G5   APR	929001381108	2100	16	100-240	6500	240	80	>0.9	30,000	50/60	No





# LED HID

## Master LED SON-T

Philips Master LED SON-T road lamps offer an easy and short payback LED solution to replace High Intensity Discharge (HID) lamps. The products bring the energy efficiency and long lifetime benefits of LED to HID replacement and provide instant saving and low initial investment. With the right lamp size and light distribution, you can easily retrofit TrueForce LED road lamps into the existing systems without changing the luminaire's ballast or reflector while enhancing the lighting quality.

### Features

- High energy efficiency
- Lifetime 50,000hrs
- Right lamp size and lighting distribution for direct retrofit
- Direct LED replacement solution without changing the luminaire
- Pleasant white light with CRI 70

### Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

### Applications

- Public urban streets, parks, squares
- Public road, area, streets

### Product specifications

Product type	Product Code	Lamp Wattage	Replaced Wattage	CCT	Lumen	Life Time	CRI	Voltage	DIM
	12NC	W	W	K	lm	Hours		V	
MAS LED SON-T EM 3.6Klm 23W 727 E27	929003467818	23	50	2700	3600	50000	70	120-240	NO
MAS LED SON-T EM 4Klm 23W 740 E27	929003467918	23	50	4000	4000	50000	70	120-240	NO
MAS LED SON-T EM 5.4Klm 34W 727 E27	929003468118	34	70	2700	5400	50000	70	120-240	NO
MAS LED SON-T EM 6Klm 34W 740 E27	929003468218	34	70	4000	6000	50000	70	120-240	NO
MAS LED SON-T EM 8.1Klm 50W 727 E40	929003468418	50	100	2700	8100	50000	70	120-240	NO
MAS LED SON-T EM 9Klm 50W 740 E40	929003468518	50	100	4000	9000	50000	70	120-240	NO
MAS LED SON-T EM 10.8Klm 65W 727 E40	929003468718	65	150	2700	10800	50000	70	120-240	NO
MAS LED SON-T EM 12Klm 65W 740 E40	929003468818	65	150	4000	12000	50000	70	120-240	NO



23-65W

# TrueForce Core LED Road SON-T

The new Philips TrueForce Core LED can fit into the standard E27/E40 fixture and replicate a similar light effect to conventional street lighting. Philips TrueForce Core LED Road reduces the time needed to maintain, replace and fit each street light, including the knock-on time required for road closures. In addition, its longer lifespan of more than five years plus energy savings of up to 63% compared to conventional HID help save on running costs.

## Features

- Omni-directional light source to compatible with the original rector and generate similar bat-wing light distrobution
- High energy efficiency up to 187lm/W
- Pleasant white light with CRI 70

## Benefits

- Energy saving up to 63%
- Easy to install, retrot EM/mains solution, save installation cost
- Lower maintenance cost, 25000 hrs lifetime

## Application

- Outdoor street lighting

## Product specifications

Product type	Product Code	Lumen	Wattage	Voltage	Color temp	CRI	Lamp Socket	Lifetime	Dimming
	12NC	lm	W	V	K	Ra		Hours	
TF Core LED road 17W 730 E27 MV	929002484802	2800	17	220-240	3000	70	E27	25000	No
TF Core LED road 17W 740 E27 MV	929002484902	3000	17	220-240	4000	70	E27	25000	No
TF Core LED road 26W 730 E27 MV	929002485002	4200	26	220-240	3000	70	E27	25000	No
TF Core LED road 26W 740 E27 MV	929002485102	4500	26	220-240	4000	70	E27	25000	No
TF Core LED road 40W 730 E40 MV	929002485202	7200	40	220-240	3000	70	E40	25000	No
TF Core LED road 40W 740 E40 MV	929002485302	7500	40	220-240	4000	70	E40	25000	No



17W-40W

## TrueForce LED Public

Philips TrueForce LED Public lamps provide an easy LED solution with a fast payback to replace High-Intensity Discharge (HID) lamps. These lamps bring the energy efficiency and long lifetime benefits of LED to HID replacement, with a low initial investment delivering instant savings. With the right lamp size and light distribution, customers can easily retrofit TrueForce LED lamps into their existing system, thereby enhancing the light quality without having to change the fixtures or sacrifice the light effect.

### Features

- High energy efficiency
- Long lifetime 50,000hrs
- Same/right lamp size and lighting distribution for direct retrofit
- 2 beam angles selection
- Pleasant white light with CRI 80

### Benefits

- Cost saving with short payback time
- Low initial investment
- Enhance lighting quality with easy adoption

### Application

- Public urban - streets, parks, squares;
- Public road/area -streets, area

### Product specifications

Product type	Product Code	Lumen	Wattage	Voltage	Color temp	CRI	Lamp Socket	Lifetime	Frequency	Dimming
	12NC	lm	W	V	K	Ra		Hours	Hz	
TForce LED HPL ND 28-21W E27 830	929002006102	2850	21	220-240	3000	80	E27	50000	50/60	No
TForce LED HPL ND 30-21W E27 840	929002006202	3000	21	220-240	4000	80	E27	50000	50/60	No
TForce LED HPL ND 38-28W E27 830	929002006302	3800	28	220-240	3000	80	E27	50000	50/60	No
TForce LED HPL ND 40-28W E27 840	929002006402	4000	28	220-240	4000	80	E27	50000	50/60	No
TForce LED HPL ND 57-42W E27 830	929002006502	5700	42	220-240	3000	80	E27	50000	50/60	No
TForce LED HPL ND 60-42W E27 840	929002006602	6000	42	220-240	4000	80	E27	50000	50/60	No
TForce LED HPL ND 57-42W E40 830	929002006702	5700	42	220-240	3000	80	E40	50000	50/60	No
TForce LED HPL ND 60-42W E40 840	929002006802	6000	42	220-240	4000	80	E40	50000	50/60	No



21W-42W

## TrueForce Core LED HPI

The new Philips Trueforce Core LED HPL lamps offer you an easy, short-payback LED solution to replace High Intensity Discharge (HID) lamps. This new generation of products brings all the energy-efficiency and long-lifetime benefits of LED to HID replacement, while providing instant saving with a low initial investment. Furthermore, they're designed to have the same lamp size and light distribution as other HID lamps, so you will never know the difference. All thanks to our High-Power LED filament technology. Plus, its unique IP65 design means it can be used for outdoor applications as well as indoors.

### Features

- High-power LED filament technology
- Frosted glass finish, uniform light distribution
- Compact size
- IP65 design
- 2KV surge protection

### Benefits

- Similar look & feel as conventional HID SON/HPL lamps
- Perfect fit in HID luminaires on existing EM ballast or mains connection
- IP65 design suitable for indoor and outdoor applications

### Product specifications

Product type	Product code	Lumen	Wattage	Colour Temp.	Beam Angle	Voltage	Cap	Lifetime	CRI	Dimming
	12NC	lm	W	K	°	V		Hours	Ra	
TForce Core LED HPL 13W E27 830 FR	929002281608	2000	13	3000	300	220-240	E27	25000	80	No
TForce Core LED HPL 13W E27 840 FR	929002281708	2000	13	4000	300	220-240	E27	25000	80	No
TForce Core LED HPL 18W E27 830 FR	929002281808	3000	18	3000	300	220-240	E27	25000	80	No
TForce Core LED HPL 18W E27 840 FR	929002281908	3000	18	4000	300	220-240	E27	25000	80	No
TForce Core LED HPL 26W E27 830 FR	929002282108	4000	26	3000	300	220-240	E27	25000	80	No
TForce Core LED HPL 26W E27 840 FR	929002281608	4000	26	4000	300	220-240	E27	25000	80	No
TForce Core LED HPL 36W E27 830 FR	929002281708	5500	36	3000	300	220-240	E27	25000	80	No
TForce Core LED HPL 36W E27 840 FR	929002281808	6000	36	4000	300	220-240	E27	25000	80	No
TForce Core LED HPL 36W E40 830 FR	929002281908	5500	36	3000	300	220-240	E40	25000	80	No
TForce Core LED HPL 36W E40 840 FR	929002282108	6000	36	4000	300	220-240	E40	25000	80	No



13W-36W

## TrueForce LED HighBay

Philips TrueForce LED Industrial and Retail (Highbay – HPI/SON/HPL) lamps give you a quick and easy payback solution to replace HID lamps in Highbay application. The solution gives you the LED benefits of energy-efficiency and long-lifetime, plus they come for a low initial investment. Lamp design allows retrofit HID lamps with TrueForce LED lamps with no gear loss and high power factor. Multiple beam angle options and high colour rendering index enhance the lighting distribution while creating a comfortable, safe and high productivity environment.

### Features

- High energy efficiency with directional light and no gear loss
- Long lifetime 25,000hrs
- Direct lamp replacement solution with high power factor
- 2 beam angles selection
- Pleasant white light with CRI 80

### Benefits

- Cost saving with quick payback
- Easy adoption
- Low initial investment

### Product specifications

Product type	Product code	Lamp Wattage	Replaced Wattage	Colour Temp.	Beam Angle	Lumen	Life time	CRI	Voltage	Dimming
	12NC	W	W	K	°	lm	Hours	Ra	V	
TForce HB 140W E40 840 NB	929002281608	140	400	4000	60	20000	50000	80	120-277	No
TForce HB 140W E40 840 WB	929002281708	140	400	4000	120	20000	50000	80	120-277	No
TForce HB 140W E40 865 NB	929002281808	140	400	6500	60	20000	50000	80	120-277	No
TForce HB 140W E40 865 WB	929002281908	140	400	6500	120	20000	50000	80	120-277	No
TForce HB 160W E40 865 WB Sensor	929002282108	160	600	6500	120	25000	80000	80	120-277	No







# LED candles and lusters

## MASTER LED Candles and Lusters

Featuring a classic heritage design, Classic filament LED Lamps combine the familiar shapes of incandescent candles and lusters with the benefits of the long-lasting LED technology. It is an idea product to provide customers with cozy atmosphere. The MASTER LED candles and lusters can be dimmed for different lumen level and also for the different color temperature. MASTER Glass Led Bulbs deliver significant energy savings, offering even 30% more compared to normal LED and provides excellent quality of light. By offering a lifetime of 25,000 hours it reduces maintenance costs.

### Features

- Heritage design with classic shapes
- Very good light quality with super high color rendering (CRI>95)
- Environmentally friendly: contains no mercury or other hazardous substances
- Designed to be seen, they look good on and off

### Benefits

- Energy saving, 30% less energy compared with standard Philips LED candle and luster
- Very long lifetime that reduces the need for replacement
- Easy replacement of conventional lamps

### Application

- Domestic application
- Hospitality: restaurants and hotels

### Product specifications

Product type	Product code	Cap	Bulb_shape	Lamp Wattage (W) Claim	Replaced Wattage	CCT	Lumen	Life Time	DIM
	12nc				W	K	lm	Hours	
MAS LEDCandleDT2.5-25W E14 B35 CL G	929003011982	E14	B35	2.5	25	2200-2700	340	25000	Yes
MAS LEDLusterDT2.5-25W E14 927 P45CL G	929003012082	E14	P45	2.5	25	2200-2700	340	25000	Yes
MAS LEDLusterDT2.5-25W E27 927 P45CL G	929003012182	E27	P45	2.5	25	2200-2700	340	25000	Yes
MAS LEDCandleDT3.4-40W E14 927 B35CL G	929003012282	E14	B35	3.4	40	2200-2700	470	25000	Yes
MAS LEDCandleDT3.4-40W E27 927 B35CL G	929003012382	E27	B35	3.4	40	2200-2700	470	25000	Yes
MAS LEDCandleDT3.4-40W B22 927 B35CL G	929003012482	B22	B35	3.4	40	2200-2700	470	25000	Yes
MAS LEDCandleDT3.4-40W B15 927 B35CL G	929003012582	B15	B35	3.4	40	2200-2700	470	25000	Yes
MAS LEDCandleDT3.4-40W E14927 BA35CL G	929003013082	E14	BA35	3.4	40	2200-2700	470	25000	Yes
MAS LEDLusterDT3.4-40W E14 927 P45CL G	929003013182	E14	P45	3.4	40	2200-2700	470	25000	Yes
MAS LEDLusterDT3.5-40W E27 927 P45CL G	929003013282	E27	P45	3.4	40	2200-2700	470	25000	Yes
MAS LEDLusterDT3.5-40W E27 927 P45FR G	929003013682	E27	P45	3.4	40	2200-2700	470	25000	Yes
MAS LEDCandleDT5.9-60W E14 927 B35 CL G	929003013982	E14	B35	5.9	60	2200-2700	806	25000	Yes
MAS LEDCandleDT5.9-60W B22 927 B35 CL G	929003014082	B22	B35	5.9	60	2200-2700	806	25000	Yes
MAS LEDLusterDT5.9-60W E14 927 P45 CL G	929003014182	E14	P45	5.9	60	2200-2700	806	25000	Yes
MAS LEDLusterDT5.9-60W B22 927 P45CL G	929003014282	B22	P45	5.9	60	2200-2700	806	25000	Yes
MAS LEDLusterDT5.9-60W E27 927 P45CL G	929003014382	E27	P45	5.9	60	2200-2700	806	25000	Yes
MAS LEDCandleDT3.4-40WE14 927B35CLGUK	929003012242	E14	B35	3.4	40	2200-2700	470	25000	Yes
MAS LEDCandleDT2.5-25W E14 BA35 CL G	929003071302	E14	BA35	2.5	25	2200-2700	340	25000	Yes
MAS LEDCandleDT2.5-25W B22 B35 CL G	929003071202	B22	B35	2.5	25	2200-2700	340	25000	Yes



# LED Bulb



## MyCare LED Bulb

Our Philips signature entry-level LED bulb provides an instant-on, retrofit lighting solution, perfect for use in large volumes across multiple application areas. It delivers energy savings, reduces the need for regular bulb replacement, without compromising on the quality of your warm or white light. Available in E27 lamp base, and two color temperatures. Comfortable to the eye with minimal glare.

Applications: Shops, Hotels, Restaurants, Bars, Cafés, Galleries, Museums, Exhibitions, Lobbies, Corridors, Stairwells, Wash rooms, Reception areas

### Features

- Instant start
- Simple replacement with existing sockets and fixtures
- Manufactured without any hazardous materials, making them a safe and sustainable choice
- Interlaced optic
- CRI90

### Benefits

- Minimal heat, and comfort to the eye
- No UV and IR, safe for fabric and light sensitive materials
- Easy retrofit
- Long lifetime of up to 15 years, reducing the need for maintenance

### Product specifications

Product type	Product code	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Dimming
	12NC			W	W	K	lm	Hours	Ra	
LEDBulb 6W E27 4000K 230V 1PF/12 9	929003006507	E27	A60S	6	55 (55W GLS, 10W CFLi)	4000	580	15000	90	No
LEDBulb 8W E27 4000K 230V 1PF/12 9	929003007107	E27	A60S	8	68 (68W GLS, 13W CFL)	4000	770	15000	90	No
LEDBulb 10W E27 4000K 230V 1PF/12 9	929003007707	E27	A60M	10	83 (83W GLS, 16W CFLi)	4000	1020	15000	90	No
LEDBulb 12W E27 4000K 230V 1PF/12 9	929003008307	E27	A60M	12	98 (98W GLS, 22W CFLi)	4000	1360	15000	90	No
LEDBulb 6W E27 3000K 230V 1CT/12 9	929003006337	E27	A60S	6	55 (55W GLS, 10W CFLi)	3000	560	15000	90	No
LEDBulb 6W E27 6500K 230V 1CT/12 9	929003006737	E27	A60S	6	55 (55W GLS, 10W CFLi)	6500	580	15000	90	No
LEDBulb 8W E27 3000K 230V 1CT/12 9	929003006937	E27	A60S	8	68 (68W GLS, 13W CFL)	3000	770	15000	90	No
LEDBulb 8W E27 6500K 230V 1CT/12 9	929003007337	E27	A60S	8	68 (68W GLS, 13W CFL)	6500	770	15000	90	No
LEDBulb 10W E27 3000K 230V 1CT/12 9	929003007537	E27	A60M	10	83 (83W GLS, 16W CFLi)	3000	1020	15000	90	No
LEDBulb 10W E27 6500K 230V 1CT/12 9	929003007937	E27	A60M	10	83 (83W GLS, 16W CFLi)	6500	1020	15000	90	No
LEDBulb 12W E27 3000K 230V 1CT/12 9	929003008137	E27	A60M	12	98 (98W GLS, 22W CFLi)	3000	1360	15000	90	No
LEDBulb 12W E27 6500K 230V 1CT/12 9	929003008537	E27	A60M	12	98 (98W GLS, 22W CFLi)	6500	1360	15000	90	No



Entry range LED bulb

## MyMoment LEDBulb Dimmable

Dimmable LED bulbs that meet the high standard for light experience. It is an idea product to provide customers long-lasting cozy atmosphere.

Applications: Domestic application, Hospitality: restaurants and hotels

### Features

- Perfect fit and high dimming quality
- Super high color rendering (CRI>90)
- Environmentally friendly: contains no mercury or other hazardous substances

### Benefits

- Easy replacement of conventional lamps
- Energy saving
- Very long lifetime that reduces the need for replacement

### Product specifications

Product type	Product code	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Dimming
	12NC			W	W	K	lm	Hours	Ra	
LEDBulb 8.5-60W E27 2700K D 1PF/6	929002069119	E27	A60	8.5	60	2700	806	15000	90	Yes
LEDBulb 8.5-60W B22 2700K D 1PF/6	929002069219	B22	A60	8.5	60	2700	806	15000	90	Yes
LEDBulb 10.5-75W E27 2700K D 1PF/6	929002069319	E27	A60M	10.5	75	2700	1055	15000	90	Yes
LEDBulb 10.5-75W B22 2700K D 1PF/6	929002069419	B22	A60M	10.5	75	2700	1055	15000	90	Yes
LEDBulb 13-100W E27 2700K D 1PF/6	929002069519	E27	A60M	13	100	2700	1521	15000	90	Yes
LEDBulb 13-100W B22 2700K D 1PF/6	929002069619	B22	A60M	13	100	2700	1521	15000	90	Yes



## MyCare LEDStick

MyCare LEDStick deliver high quality light in a compact design ideal for downlights and slim luminaire applications. The compact and bright light makes it ideal for general lighting applications in the retail and hospitality industry by offering their guests a differentiating ambiance and unique experience in public areas.

Applications: Elite shops, Corridors, Stairways, Washrooms, Lobby, Reception areas, Hotel rooms, Bars, Home

### Features

- All around illumination
- Up to 70% less glare\*
- No visible flickering
- Eye safety of lamps compliance\*\*

### Benefits

- Over 85% energy saving
- Last up to 15 years
- Low Carbon Footprint
- Environmental friendly, no Mercury

### Product specifications

Product type	Product code	Cap	Wattage	Voltage	Colour Temp.	Beam angle	CRI	Power factor	Life-time	Frequency	Dimming
	12NC		W	V	K	°	Ra	Pf	Hours	Hz	
DLStick 5.5W E14 3000K 1PF/12 APR	929001900607	600lm	5.5	220-240	3000	360	80	>0.5	15000	50/60Hz	No
DLStick 5.5W E14 4000K 1PF/12 APR	929001900707	600lm	5.5	220-240	4000	360	80	>0.5	15000	50/60Hz	No
DLStick 5.5W E14 6500K 1PF/12 APR	929001900807	600lm	5.5	220-240	6500	360	80	>0.5	15000	50/60Hz	No
DLStick 5.5W E27 3000K 1PF/12 APR	929001900907	600lm	5.5	220-240	3000	360	80	>0.5	15000	50/60Hz	No
DLStick 5.5W E27 4000K 1PF/12 APR	929001901007	600lm	5.5	220-240	4000	360	80	>0.5	15000	50/60Hz	No
DLStick 5.5W E27 6500K 1PF/12 APR	929001902207	600lm	5.5	220-240	6500	360	80	>0.5	15000	50/60Hz	No
DLStick 7.5W E27 4000K 1PF/12 APR	929001901207	806lm	7.5	220-240	4000	360	80	>0.5	15000	50/60Hz	No
DLStick 7.5W E27 3000K 1PF/12 APR	929001901107	806lm	7.5	220-240	3000	360	80	>0.5	15000	50/60Hz	No
DLStick 7.5W E27 6500K 1PF/12 APR	929001901307	806lm	7.5	220-240	6500	360	80	>0.5	15000	50/60Hz	No
DLStick 9.5W E27 4000K 1PF/12 APR	929001901507	1055lm	9.5	220-240	4000	360	80	>0.5	15000	50/60Hz	No
DLStick 9.5W E27 3000K 1PF/12 APR	929001901407	1055lm	9.5	220-240	3000	360	80	>0.5	15000	50/60Hz	No
DLStick 9.5W E27 6500K 1PF/12 APR	929001901607	1055lm	9.5	220-240	6500	360	80	>0.5	15000	50/60Hz	No
DLStick 11W E27 3000K 1PF/12 APR	929001950507	1400lm	11	220-240	3000	360	80	>0.5	15000	50/60Hz	No
DLStick 11W E27 6500K 1PF/12 APR	929001950607	1400lm	11	220-240	6500	360	80	>0.5	15000	50/60Hz	No



Philips LEDstick

\* Comparing the bulb surface brightness between Philips LEDstick and CFLi Genie.

\*\* Compliance with IEC62471 photobiological safety of lamps and lamps systems.

## Scene Switch LED Bulb

The Scene Switch bulb is a revolutionary bulb that truly surprises by giving out not one but two color temperatures within a single E27 bulb form. It allows spaces to be personalized for ease and comfort by using the existing wall switch with no need of re-wiring, to simply toggle the light color from warm white at 3000K to cool daylight at 6500K at your finger tips. The result is a uniformly lit bulb that delivers glare-free light that is easy on the eyes. A hassle-free retrofit that turns on instantly, adding flexibility and more value to any luminaire with an E27 base.

Applications: Homes, Offices and Cafés, Hotel guest rooms, Spa, Modern or classical luminaires, Wall sconces, open fixtures

### Features

- Retrofit bulb with an E27 base
- 806 lumen, CCT 3000K/6500K
- CRI 80
- Lifetime 15000 hours

### Benefits

- Warm white and cool day light, switchable instantly
- Unique bulb shape that gives light all around
- No hazardous material
- Versatile for all spaces

### Product specifications

Product type	Product code	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Dimming
	12NC			W	W	K	lm	Hours	Ra	
LED SSW A60 8-70W E27 WH-CDL 1PF/12	929001906128	E27	A60M	8	70	6500/3000	880	15000	80	No
LED SSW A60 3S 7.5-70W E27 WH 1PF/12	929001906428	E27	A60M	7.5-3-1.2	70	3000	806-380-140	15000	80	No
LED SSW A60 3S 7.5-70W E27 CDL 1PF/12	929001906728	E27	A60M	7.5-2.5-1	70	6500	806-380-140	15000	80	No



## High Lumen LED Bulb

High Lumen LED Bulb in indoor application, even designed for a wide range of applications including damp areas. Under 220-240V, the product can deliver the best performance. And even under 90V, the bulb can be lit up, which makes it work in some unstable line voltage. LEDbulb offers up to 89% energy saving when replacing GLS and 50% when replacing a CFLi. It also has a longer lifetime of 15,000 hours (equivalent to 15years if lit 2.7 hours per day across 365 days) conditions.

Applications: Logic center, Factor, Car parking, Convenience store, Public space, Garden lighting, Wet market

### Features

- Form factor is designed as a direct retrofit into high lumen LED bulbs at A75, A95, A110 and A125 shape
- Rugged plastic design

### Benefits

- Long lifetime of 15,000 hours (F50L70)
- Up to 89% energy savings when replacing a GLS (50% when replacing a CFLi)
- Lit up under 90V line voltage. And best performance is delivered under 220V-240V
- Designed for a wide range of applications including damp areas

### Product specifications

Product type	Product code	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Dimming
	12NC	lm	W	W	K	Ra	lm	Hours	Ra	
LEDBulb 19W B22 6500K 230VA80 1CT/6APR	929002004749	B22	A80	19	160(160W for Incandescent;35W CFL)	6500	2300	12000	80	No
LEDBulb 19W B22 3000K 230VA80 1CT/6APR	929002004649	B22	A80	19	155(155W for Incandescent;35W CFL)	3000	2150	12000	80	No
LEDBulb 14.5W B22 6500K 230VA67 1CT/6APR	929002004549	B22	A67	14.5	120(120W for Incandescent;27W CFL )	6500	1800	12000	80	No
LEDBulb 14.5W B22 3000K 230VA67 1CT/6APR	929002004449	B22	A67	14.5	120(120W for Incandescent;27W CFL )	3000	1650	12000	80	No
LEDBulb 19W E27 6500K 230VA80 1CT/6APR	929002004149	E27	A80	19	160(160W for Incandescent;35W CFL)	6500	2300	12000	80	No
LEDBulb 19W E27 3000K 230VA80 1CT/6APR	929002004049	E27	A80	19	155(155W for Incandescent;35W CFL)	3000	2150	12000	80	No
LEDBulb 14.5W E27 6500K 230VA67 1CT/6APR	929002003949	E27	A67	14.5	120(120W for Incandescent;27W CFL )	6500	1800	12000	80	No
LEDBulb 14.5W E27 3000K 230VA67 1CT/6APR	929002003849	E27	A67	14.5	120(120W for Incandescent;27W CFL )	3000	1650	12000	80	No



A67\_E27



A67\_B22



A80\_B22



A80\_E27



# Retail Display Lighting

Lighting products, brightening faces



## CertaFlux RDL

### Philips CertaFlux RDL LED system gen 1

Discount and price-fighter retail chains focus on costs. They leverage purchasing power to deliver value, and the customer expects affordable prices and a functional shopping experience. The lighting must support this image, which is where our CertaFlux RDL portfolio comes in. It has established itself as an energy-efficient way to deliver the quality of light this cost-sensitive retail sector is looking for, especially in cooler and shelf applications.

The CertaFlux RDL portfolio is optimized for standard applications lengths with options for main cooler applications. A carefully selected range of accessories is also available including glare shields, mounting clips and cables.

The quality of light and performance are everything a retail discounter needs. With a CRI of >80 and a lumen efficacy up to 120 lm/W, CertaFlux RDL illuminates products with a uniform, attractive light. What's more, the LEDs have minimal output.

### Product specifications

Product type	Light output	Model efficacy	Color rendering	Color consistency	Correlated color temperature	Case temperature lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
CertaFlux RDL canopy 1150mm 827 G1	2000	116	80	5	2700	50	70	1150 x 16.8 x 15	929003407806
CertaFlux RDL canopy 1150mm 830 G1	2000	120	80	5	3000	50	70	1150 x 16.8 x 15	929001667606
CertaFlux RDL canopy 1150mm 835 G1	2000	116	80	5	3500	50	70	1150 x 16.8 x 15	929001667906
CertaFlux RDL canopy 1150mm 840 G1	2000	120	80	5	4000	50	70	1150 x 16.8 x 15	929001668206
CertaFlux RDL canopy 1150mm MC G1	1400	82	80	5		50	70	1150 x 16.8 x 15	929001668506
CertaFlux RDL canopy 855mm 827 G1	1500	116	80	5	2700	50	70	855 x 16.8 x 15	929003407706
CertaFlux RDL canopy 855mm 830 G1	1500	120	80	5	3000	50	70	855 x 16.8 x 15	929001667506
CertaFlux RDL canopy 855mm 835 G1	1500	120	80	5	3500	50	70	855 x 16.8 x 15	929001667806
CertaFlux RDL canopy 855mm 840 G1	1500	120	80	5	4000	50	70	855 x 16.8 x 15	929001668106
CertaFlux RDL canopy 855mm MC G1	1050	82	80	5		50	70	855 x 16.8 x 15	929001668406
CertaFlux RDL shelf 1150mm 827 G1	740	157	80	5	2700	50	70	1150 x 16.8 x 15	929003407406
CertaFlux RDL shelf 1150mm 830 G1	740		80	5	3000	50	70	1150 x 16.8 x 15	929001665206
CertaFlux RDL shelf 1150mm 835 G1	740	120	80	5	3500	50	70	1150 x 16.8 x 15	929001665506
CertaFlux RDL shelf 1150mm 840 G1	740	120	80	5	4000	50	70	1150 x 16.8 x 15	929001665806
CertaFlux RDL shelf 1150mm MC G1	555	90	80	5		50	70	1150 x 16.8 x 15	929001666106

## Philips CertaFlux RDL LED system gen 1

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## Product specifications

Product type	Light output	Model efficacy	Color rendering	Color consistency	Correlated color temperature	Case temperature lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
CertaFlux RDL shelf 1150mm 827 G1	740	157	80	5	2700	50	70	1150 x 16.8 x 15	929003407406
CertaFlux RDL shelf 1150mm 830 G1	740		80	5	3000	50	70	1150 x 16.8 x 15	929001665206
CertaFlux RDL shelf 1150mm 835 G1	740	120	80	5	3500	50	70	1150 x 16.8 x 15	929001665506
CertaFlux RDL shelf 1150mm 840 G1	740	120	80	5	4000	50	70	1150 x 16.8 x 15	929001665806
CertaFlux RDL shelf 1150mm MC G1	555	90	80	5		50	70	1150 x 16.8 x 15	929001666106
CertaFlux RDL shelf 855mm 830 G1	550	120	80	5	3000	50	70	855 x 16.8 x 15	929001665106
CertaFlux RDL shelf 855mm 835 G1	370	120	80	5	3500	50	70	855 x 16.8 x 15	929001665406
CertaFlux RDL shelf 855mm 840 G1	550	120	80	5	4000	50	70	855 x 16.8 x 15	929001665706
CertaFlux RDL shelf 855mm MC G1	413	90	80	5		50	70	855 x 16.8 x 15	929001666006
CertaFlux RDL vrt 1500mm 827 CTR WGS G1	2420	122	80	5	2700	50	70	1500 x 25 x 25	929003407606
CertaFlux RDL vrt 1500mm 827 SD WGS G1	1155	122	80	5	2700	50	70	1500 x 23.2 x 24.7	929003407506
CertaFlux RDL vrt 1500mm 830 CTR WGS G1	2420	120	80	5	3000	50	70	1500 x 25 x 25	929001666506
CertaFlux RDL vrt 1500mm 830 SD WGS G1	1155	120	80	5	3000	50	70	1500 x 23.2 x 24.7	929001666206
CertaFlux RDL vrt 1500mm 840 CTR WGS G1	2420	120	80	5	4000	50	70	1500 x 25 x 25	929001666606
CertaFlux RDL vrt 1500mm 840 SD WGS G1	1155	120	80	5	4000	50	70	1500 x 23.2 x 24.7	929001666306
CertaFlux RDL vrt 1500mm MC CTR WGS G1	2260	85	80	5		50	70	1500 x 25 x 25	929001666706
CertaFlux RDL vrt 1500mm MC SD WGS G1	1090	85	80	5		50	70	1500 x 23.2 x 24.7	929001666406
CertaFlux RDL vrt 1650mm 830 CTR WGS G1	2640	120	80	5	3000	50	70	1650 x 25 x 25	929001667106
CertaFlux RDL vrt 1650mm 830 SD WGS G1	1270	120	80	5	3000	50	70	1650 x 23.2 x 24.7	929001666806
CertaFlux RDL vrt 1650mm 840 CTR WGS G1	2640	120	80	5	4000	50	70	1650 x 25 x 25	929001667206
CertaFlux RDL vrt 1650mm 840 SD WGS G1	1270	120	80	5	4000	50	70	1650 x 23.2 x 24.7	929001666906
CertaFlux RDL vrt 1650mm MC CTR WGS G1	2480	85	80	5		50	70	1650 x 25 x 25	929001667306
CertaFlux RDL vrt 1650mm MC SD WGS G1	1200	85	80	5		50	70	1650 x 23.2 x 24.7	929001667006

## Constant voltage drivers recommendation

### Non-plug and play Philips constant voltage drivers

Product type	Product code
	GPC
LED power driver 20W 24VDC 100-240V	929000654006
LED power driver 80W 24VDC 120-240V	929001669406
LED power driver 100W 24VDC 120-240V	929001669506
LED power driver 150W 24VDC 120-240V	929002101980
LED power driver 240W 24VDC 120-240V	929002102080
LED transformer 20W 24VDC 120-277V	929002105580
LED transformer 40W 24VDC 120-277V	929002105680
LED transformer 60W 24VDC 120-277V	929002105780
LED transformer 60W 24VDC 220-240V	913710032267
LED transformer 100W 24VDC 120-277V	929002105880
LED transformer 120W 24VDC 220-240V	913710032567
LED transformer 150W 24VDC 220-240V	929002105980
CertaDrive LED transformer 30W 24VDC	929002146280
CertaDrive LED transformer 60W 24VDC	929002146380
CertaDrive LED transformer 120W 24VDC	929002146480
CertaDrive LED transformer 180W 24VDC	929002146580
CertaDrive 35W 24VDC 220-240V	929001424006
CertaDrive 60W 24VDC 220-240V	929001424106
CertaDrive 100W 24VDC 220-240V	929001424206
CertaDrive 120W 24VDC 220-240V	929001424306
Xitanium 77W 100-277V 3.2A XI077C320V024FNS1M *	929001708113
Xitanium 100W 100-277V 4.1A XI100C410V024FNS1M*	929000771913
LED driver outdoor 100W 100-240V 24V**	929000485303

\* Only for NAM region \*\* Only for Japan

# CertaFlux RDL

## Philips CertaFlux RDL LED system gen 1

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## Constant voltage drivers recommendation

### Plug and play Philips constant voltage drivers

Product type	Product code
	GPC
LED transformer 60W 24VDC 120V PP	929002106080
LED transformer 60W 24VDC 220-240V PP	929002106280
LED transformer 100W 24VDC 120V PP	929002106180
LED transformer 100W 24VDC 220-240V PP	929002106380
LED transformer 150W 24VDC 220-240V PP	929002106480

## RDL track system

### RDL track

Product type	Product code
	GPC
RDL track 1800mm gr	929002113606
RDL track 1200mm gr	929002113706
RDL track 600mm gr	929002113806
<b>Power cables - to connect the RDL track to the driver</b>	
InteGrade track powercable 1.5m gr	929002113906
InteGrade track powercable 1.5m gr angle	929002114006
<b>Track cables - to connect the engines to the RDL track</b>	
InteGrade track cable M 0.7m gr angle	929002114106
InteGrade track cable 0.7m gr angle	929002114206
InteGrade track cable 0.3m transp angle	929002114306
InteGrade track cable 0.4m transp angle	929002114406
InteGrade track cable 0.5m transp angle	929002114506

## Accessories

Product type	Product code
	GPC
<b>Clips</b>	
CertaFlux RDL clip canopy 0° surface	929001668606
CertaFlux RDL clip canopy 30° surface	929001668706
CertaFlux RDL clip shelf front	929001668806
CertaFlux RDL clip shelf arm	929001668906
CertaFlux RDL clip shelf magnetic	929001669006
<b>Power cables - to connect engine to driver</b>	
InteGrade power cable 0.7m white	929001625306
InteGrade power cable 1m (39") black	929000641014
InteGrade power cable 2.5m (98") black	929000641114
InteGrade cable 1m (39") black angle	929000644614
InteGrade cable 2.5m (98") black angle	929000644814
InteGrade power cable 1m (39") white	929000645614
InteGrade power cable 1.85m white	929001625206
InteGrade power cable 2.5m (98") white	929000644514
InteGrade cable 1m (39") white angle	929000644714
InteGrade cable 2.5m (98") white angle	929000644914
InteGrade power cable 6m white	929001624806
InteGrade spacer cable 113mm white	929001625106
InteGrade spacer cable 0.3m black	929001625006
InteGrade spacer cable 0.5m black	929000645014
InteGrade spacer cable 0.5m white	929000645114
InteGrade spacer cable M 0.7m 5.5c black	929001624706
InteGrade extension cab 1.5m (59") black	929000874413
InteGrade Y cable black	929000874313

## InteGrade S

### Philips InteGrade S LED system gen 1

InteGrade S is a symmetric modular platform offering quality of light and performance that retail stores need for serve-over counters. With a CRI of >95 and a lumen efficacy of up to 125 lm/W, it illuminates the merchandise on display with an attractive, uniform light. Thanks to its minimalized, slim design, the InteGrade S system enables transparent serve-overs attracting customers' attention towards merchandise.

### Product specifications

Product type	Light output	Model efficacy	Color rendering	Correlated color temperature	Typical dimensions	Product code
	lm	lm/W	CRI	K	mm	GPC
InteGrade S WB Va 1175mm 940 PW G1	1600	128	95	4000	1175 x 15 x 14.5	929002131906
InteGrade S WB Va 1175mm 956 G1	1620	130	90	5600	1175 x 15 x 14.5	929002132006
InteGrade S WB Va 850mm 940 PW G1	1150	124	95	4000	850 x 15 x 14.5	929002131706
InteGrade S WB Va 850mm 956 G1	1180	127	90	5600	850 x 15 x 14.5	929002131806
InteGrade S WB Vi 130mm 930 PW G1	250	114	93	3300	130 x 15 x 14.5	929002170306
InteGrade S WB Vi 130mm 940 PW G1	260	113	95	4000	130 x 15 x 14.5	929002170206
InteGrade S WB Vi 130mm WWR G1	170	106			130 x 15 x 14.5	929002170406
InteGrade S WB Vi 1175mm 930 PW G1	2250	118	93	3000	1175 x 15 x 14.5	929002131406
InteGrade S WB Vi 1175mm 940 PW G1	2370	122	95	4000	1175 x 15 x 14.5	929002131306
InteGrade S WB Vi 1175mm WWR G1	1540	107			1175 x 15 x 14.5	929002131506
InteGrade S WB Vi 250mm 930 PW G1	470	109	93	3000	250 x 15 x 14.5	929002130606
InteGrade S WB Vi 250mm 940 PW G1	510	119	95	4000	250 x 15 x 14.5	929002130506
InteGrade S WB Vi 250mm WWR G1	340	106			250 x 15 x 14.5	929002130706
InteGrade S WB Vi 850mm 930 PW G1	1640	116	93	3000	850 x 15 x 14.5	929002131006
InteGrade S WB Vi 850mm 940 PW G1	1730	122	95	4000	850 x 15 x 14.5	929002130906
InteGrade S WB Vi 850mm WWR G1	1130	107			850 x 15 x 14.5	929002131106

### Constant voltage drivers recommendation

Philips constant voltage drivers	
Product type	Product code
	GPC
LED power driver 20W 24VDC 100-240V	929000654006
LED power driver 80W 24VDC 120-240V	929001669406
LED power driver 100W 24VDC 120-240V	929001669506
LED power driver 150W 24VDC 120-240V	929002101980
LED power driver 240W 24VDC 120-240V	929002102080
LED transformer 20W 24VDC 120-277V	929002105580
LED transformer 40W 24VDC 120-277V	929002105680
LED transformer 60W 24VDC 120-277V	929002105780
LED transformer 60W 24VDC 220-240V	913710032267
LED transformer 100W 24VDC 120-277V	929002105880
LED transformer 120W 24VDC 220-240V	913710032567
LED transformer 150W 24VDC 220-240V	929002105980
Xitanium 77W 100-277V 3.2A XI077C320V024FNS1M *	929001708113
Xitanium 100W 100-277V 4.1A XI100C410V024FNS1M*	929000771913
LED driver outdoor 100W 100-240V 24V**	929000485303

\* Only for NAM region

\*\* Only for Japan

### Accessories

Product type	Product code
	GPC
InteGrade S daisychain clip	929002132206
InteGrade S mounting clip	929002132106
InteGrade S mounting profile 900mm	929002132306
InteGrade S mounting profile 1200mm	929002132406

## Constant Voltage LED

Our constant voltage LED drivers are designed as 24 VDC LED solutions for use in applications such as refrigerator display lighting, retail display lighting and linear accent lighting. They are specifically designed to ensure the highest performance with maximum robustness combined with a long lifetime for operation with 24 VDC LED modules, flexible LED strips and other LED applications that require 24 VDC constant voltage.

### Product specifications

Product type	Output power range	Output voltage (Max)	Typical dimensions	Tc maximum	Product code
	W	V			
LED Power Driver (O) 100-240V 100W-24V	2.4-100	35	241.3 x 43 x 30	90	929000485303
LED Power Driver 100W 24V 120V-240V	2.4-100	35	241.3 x 43 x 30	90	929001669506
LED Power Driver 150W 24VDC 120-240V	2.4-150	26	230 x 60 x 34	85	929002101980
LED Power Driver 240W 24VDC 120-240V	2.4-240	26	240 x 70 x 37.5	90	929002102080
LED Power Driver 80W 24V 120V-240V	2.4-80	35	241.3 x 43 x 30	85	929001669406
LED Power Driver 20W 24V	2.0-202	25.6	150 x 37 x 25	70	929000654006

## PrimeSet RDL500 / 510

### Philips PrimeSet RDL 500/510 LED system gen 1

Our LED lighting for freezer cases is a sustainable and energy-efficient way to create an enjoyable shopping experience for customers – while at the same time supporting retailers' brand values. RDL500 and RDL510 modules can be vertically integrated in full-height, glass-door refrigeration cabinets.

### Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K		
PrimeSet RDL 500 1200mm (47") 840 G1+	900	125	85	5	4000	1200 x 20.5 x 23	929002178706
Primeset RDL 500 1200mm (47") 856 G1	1000	111	85	5	5600	1200 x 20.5 x 23	929000891006
PrimeSet RDL 500 1500mm (59") 840 G1+	1200	126	85	5	4000	1500 x 20.5 x 23	929002178506
Primeset RDL 500 1500mm (59") 841 G1	1200	121	85	5	4100	1500 x 20.5 x 23	929000890706
PrimeSet RDL 500 1500mm (59") 856 G1	1300	111	85	5	5600	1500 x 20.5 x 23	929000890606
PrimeSet RDL 500 1700mm (67") 840 G1+	1300	123	85	5	4000	1700 x 20.5 x 23	929002178306
Primeset RDL 500 1700mm (67") 841 G1	1300	118	85	5	4100	1700 x 20.5 x 23	929000890306
Primeset RDL 500 1700mm (67") 856 G1	1400	108	85	5	5600	1700 x 20.5 x 23	929000890206
PrimeSet RDL 500 Vis 1200mm (47") 856 G1	1940	114	85	5	5600	1200 x 20.5 x 23	929001501906
PrimeSet RDL 500 Vis 1500mm (59") 841 G1	2200	113	85	5	4100	1500 x 20.5 x 23	929000934106
PrimeSet RDL 500 Vis 1500mm (59") 856 G1	2400	109	85	5	5600	1500 x 20.5 x 23	929000934006
PrimeSet RDL 500 Vis 1700mm (67") 856 G1	2700	109	85	5	5600	1700 x 20.5 x 23	929000933806
PrimeSet RDL 500 Vis 1700mm (67") 841 G1	2500	114	85	5	4100	1700 x 20.5 x 23	929000933906
PrimeSet RDL 510 Vis 750mm (30")856 G1	1150	112	85	5	5600	750 x 20.5 x 23	929000934406
PrimeSet RDL 510 Vis 750mm (30") 841 G1	1100	118	85	5	4100	750 x 20.5 x 23	929000934506
PrimeSet RDL 510 Vis 850mm (33") 841 G1	1260	116	85	5	4100	850 x 20.5 x 23	929001502006
PrimeSet RDL 510 Vis 850mm (33") 856 G1	1350	112	85	5	5600	850 x 20.5 x 23	929001502106
PrimeSet RDL 510 Vis 950mm (37") 841 G1	1400	118	85	5	4100	950 x 20.5 x 23	929000934306
PrimeSet RDL 510 Vis 950mm (37") 856 G1	1440	111	85	5	5600	950 x 20.5 x 23	929000934206

## InteGrade LED gen 4

### InteGrade LED system high flux gen 4

The InteGrade LED high flux system takes the very successful InteGrade range to a whole new level of specifications.

InteGrade LED high flux system has been designed for ultimate product visibility and superior visual display of merchandise. The outstanding bright light distribution, combined with a miniaturized unobtrusive design, directs the customer's focus onto the products on display.

This new range offers breathtaking performance, with superb lumen and lux levels and an exceptional uniform light distribution. Revolutionary optics bring light right down to the lowest shelf at the canopy application. The InteGrade high flux is now available in premium white to combine the best of both worlds: high flux with premium white takes the product attractiveness to the ultimate level, and stimulates the desire to buy.

InteGrade LED engines have been designed to match the most common application lengths, reducing the number of components needed per installation. Yet they maintain outstanding flexibility through their modular design, so it is possible to create odd-size lighting solutions to match every project specification. Thanks to a range of engine lengths, accessories and Xitanium constant voltage LED power drivers, the InteGrade LED high flux system offers maximum design flexibility and plug and play simplicity. So you can create a vast variety of innovative systems with style, modernity and functionality. Note that InteGrade high flux engines are not stand-alone engines, and they may need to be integrated with a heatsink for thermal management to achieve 50,000 hours lifetime. The cabinet framework can be used for that. Our design-in service is available to support you.

### Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine HF 1150mm 930 PW G4	3188	93	93	3	3000	45	70	1150 x 19.7 x 12.9	929002162706
InteGrade engine HF 1150mm 940 PW G4	3175	102	93	3	4000	45	70	1150 x 19.7 x 12.9	929002162806
InteGrade engine HF 1150mm WWR G4	3028	93		3		45	70	1150 x 19.7 x 12.9	929002163106
InteGrade engine HF 140mm 930 PW G4	404	91	93	3	3000	45	70	140 x 19.7 x 12.9	929002162306
InteGrade engine HF 140mm 940 PW G4	406	100	93	3	4000	45	70	140 x 19.7 x 12.9	929002162406
InteGrade engine HF 140mm WWR G4	379		92	3		45	70	140 x 19.7 x 12.9	929002162906
InteGrade engine HF 1570mm 930 PW G4	4399	92	93	3	3000	45	70	1570 x 19.7 x 12.9	929002163506
InteGrade engine HF 1570mm 940 PW G4	4392	101	93	3	4000	45	70	1570 x 19.7 x 12.9	929002163606
InteGrade engine HF 1570mm WWR G4	4166		93	3		45	70	1570 x 19.7 x 12.9	929002163706

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine HF 575mm 930 PW G4	1594	93	93	3	3000	45	70	575 x 19.7 x 12.9	929002162506
InteGrade engine HF 575mm 940 PW G4	1587	102	93	3	4000	45	70	575 x 19.7 x 12.9	929002162606
InteGrade engine HF 575mm WWR G4	1514		93	3		45	70	575 x 19.7 x 12.9	929002163006
InteGrade engine HF 760mm 930 PW G4	2115	92	93	3	3000	45	70	760 x 19.7 x 12.9	929002186206
InteGrade engine HF 760mm 940 PW G4	2101	101	93	3	4000	45	70	760 x 19.7 x 12.9	929002186306
InteGrade engine HF 760mm WWR G4	1990	93		3		45	70	760 x 19.7 x 12.9	929002186406
InteGrade engine NB Va 1150mm 930 PW G4	1006	113	93	3	3000	50	70	1150 x 19.7 x 12.9	929002159306
InteGrade engine NB Va 1150mm 940 PW G4	1057	122	93	3	4000	50	70	1150 x 19.7 x 12.9	929002159406
InteGrade engine NB Va 1150mm 956 G4	956	136	90	5	5600	50	70	1150 x 19.7 x 12.9	929002875506
InteGrade engine NB Va 1150mm WWR G4	1006	113		3		50	70	1150 x 19.7 x 12.9	929002151506
InteGrade engine NB Va 140mm 930 G4	127	118	90	5	3000	50	70	140 x 19.7 x 12.9	929002150306
InteGrade engine NB Va 140mm 930 PW G4	111	108	93	3	3000	50	70	140 x 19.7 x 12.9	929002158706
InteGrade engine NB Va 140mm 940 G4	130	126	90	5	4000	50	70	140 x 19.7 x 12.9	929002150606
InteGrade engine NB Va 140mm 940 PW G4	121	117	93	3	4000	50	70	140 x 19.7 x 12.9	929002158806
InteGrade engine NB Va 140mm 956 G4	120	130	90	5	5600	50	70	140 x 19.7 x 12.9	929002151206
InteGrade engine NB Va 140mm 965 G4	127	126	90	5	6500	50	70	140 x 19.7 x 12.9	929002858906
InteGrade engine NB Va 140mm WWR G4	126	108		3	6500	50	70	140 x 19.7 x 12.9	929002150906
InteGrade engine NB Va 1430mm 930 G4	1249	121	90	5		50	70	1430 x 19.7 x 12.9	929002150506
InteGrade engine NB Va 1430mm 930 PW G4	1228	112	93	3	3000	50	70	1430 x 19.7 x 12.9	929002159106
InteGrade engine NB Va 1430mm 940 G4	1322	131	90	5	3000	50	70	1430 x 19.7 x 12.9	929002150806
InteGrade engine NB Va 1430mm 940 PW G4	1299	121	93	3	4000	50	70	1430 x 19.7 x 12.9	929002159206
InteGrade engine NB Va 1430mm 956 G4	1196	135	90	5	4000	50	70	1430 x 19.7 x 12.9	929002151406
InteGrade engine NB Va 1430mm 965 G4	1273	130	90	5	5600	50	70	1430 x 19.7 x 12.9	929002859006
InteGrade engine NB Va 1430mm WWR G4	1258	112		3	6500	50	70	1430 x 19.7 x 12.9	929002151106
InteGrade engine NB Va 1570mm 930 PW G4	1339	111	93	3	6500	50	70	1570 x 19.7 x 12.9	929002159506



# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine NB Va 1570mm 940 PW G4	1420	121	93	3		50	70	1570 x 19.7 x 12.9	929002159606
InteGrade engine NB Va 1570mm 956 G4	1317	134	90	5	3000	50	70	1570 x 19.7 x 12.9	929002875606
InteGrade engine NB Va 1570mm WWR G4	1385	111		3	4000	50	70	1570 x 19.7 x 12.9	929002151606
InteGrade engine NB Va 1660mm 930 PW G4	1439	112	93	3	5600	50	70	1660 x 19.7 x 12.9	929002185206
InteGrade engine NB Va 1660mm 940 PW G4	1529	122	93	3		50	70	1660 x 19.7 x 12.9	929002185306
InteGrade engine NB Va 1660mm WWR G4	1466	112		3	3000	50	70	1660 x 19.7 x 12.9	929002185406
InteGrade engine NB Va 575mm 930 G4	498	122	90	5	4000	50	70	575 x 19.7 x 12.9	929002150406
InteGrade engine NB Va 575mm 930 PW G4	503	113	93	3		50	70	575 x 19.7 x 12.9	929002158906
InteGrade engine NB Va 575mm 940 G4	531	132	90	5	3000	50	70	575 x 19.7 x 12.9	929002150706
InteGrade engine NB Va 575mm 940 PW G4	529	122	93	3	3000	50	70	575 x 19.7 x 12.9	929002159006
InteGrade engine NB Va 575mm 956 G4	478	136	90	5	4000	50	70	575 x 19.7 x 12.9	929002151306
InteGrade engine NB Va 575mm WWR G4	503	113		3	4000	50	70	575 x 19.7 x 12.9	929002151006
InteGrade engine NB Va 760mm 940 PW G4	704	122	93	3	5600	50	70	760 x 19.7 x 12.9	929002875706
InteGrade engine NB Va 760mm 956 G4	637	136	90	5		50	70	760 x 19.7 x 12.9	929002875306
InteGrade engine NB Va 855mm 940 PW G4	770	121	93	3	4000	50	70	855 x 19.7 x 12.9	929002875806
InteGrade engine NB Va 855mm 956 G4	719	134	90	5	5600	50	70	855 x 19.7 x 12.9	929002875406
InteGrade engine NB Vi 1150mm 930 PW G4	2151	98	93	3	3000	50	70	1150 x 19.7 x 12.9	929002161706
InteGrade engine NB Va 1570mm 940 PW G4	1420	121	93	3		50	70	1570 x 19.7 x 12.9	929002159606
InteGrade engine NB Va 1570mm 956 G4	1317	134	90	5	3000	50	70	1570 x 19.7 x 12.9	929002875606
InteGrade engine NB Va 1570mm WWR G4	1385	111		3	4000	50	70	1570 x 19.7 x 12.9	929002151606
InteGrade engine NB Va 1660mm 930 PW G4	1439	112	93	3	5600	50	70	1660 x 19.7 x 12.9	929002185206
InteGrade engine NB Va 1660mm 940 PW G4	1529	122	93	3		50	70	1660 x 19.7 x 12.9	929002185306
InteGrade engine NB Va 1660mm WWR G4	1466	112		3	3000	50	70	1660 x 19.7 x 12.9	929002185406
InteGrade engine NB Va 575mm 930 G4	498	122	90	5	4000	50	70	575 x 19.7 x 12.9	929002150406
InteGrade engine NB Va 575mm 930 PW G4	503	113	93	3		50	70	575 x 19.7 x 12.9	929002158906
InteGrade engine NB Va 575mm 940 G4	531	132	90	5	3000	50	70	575 x 19.7 x 12.9	929002150706
InteGrade engine NB Va 575mm 940 PW G4	529	122	93	3	3000	50	70	575 x 19.7 x 12.9	929002159006
InteGrade engine NB Va 575mm 956 G4	478	136	90	5	4000	50	70	575 x 19.7 x 12.9	929002151306

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine NB Va 575mm WWR G4	503	113		3	4000	50	70	575 x 19.7 x 12.9	929002151006
InteGrade engine NB Va 760mm 940 PW G4	704	122	93	3	5600	50	70	760 x 19.7 x 12.9	929002875706
InteGrade engine NB Va 760mm 956 G4	637	136	90	5		50	70	760 x 19.7 x 12.9	929002875306
InteGrade engine NB Va 855mm 940 PW G4	770	121	93	3	4000	50	70	855 x 19.7 x 12.9	929002875806
InteGrade engine NB Va 855mm 956 G4	719	134	90	5	5600	50	70	855 x 19.7 x 12.9	929002875406
InteGrade engine NB Vi 1150mm 930 PW G4	2151	98	93	3	3000	50	70	1150 x 19.7 x 12.9	929002161706
InteGrade engine NB Vi 1150mm 940 PW G4	2338	107	93	3	4000	50	70	1150 x 19.7 x 12.9	929002161806
InteGrade engine NB Vi 1150mm 956 G4	2111	120	90	5	5600	50	70	1150 x 19.7 x 12.9	929002876106
InteGrade engine NB Vi 140mm 930 PW G4	262	97	93	3	3000	50	70	140 x 19.7 x 12.9	929002161106
InteGrade engine NB Vi 140mm 940 PW G4	285	106	93	3	4000	50	70	140 x 19.7 x 12.9	929002161206
InteGrade engine NB Vi 1430mm 930 PW G4	2676	98	93	3	3000	50	70	1430 x 19.7 x 12.9	929002161306
InteGrade engine NB Vi 1430mm 940 PW G4	2908	107	93	3	4000	50	70	1430 x 19.7 x 12.9	929002161406
InteGrade engine NB Vi 1430mm 956 G4	2609	120	90	5	5600	50	70	1430 x 19.7 x 12.9	929002876206
InteGrade engine NB Vi 1570mm 930 PW G4	2938	98	93	3	3000	50	70	1570 x 19.7 x 12.9	929002161906
InteGrade engine NB Vi 1570mm 940 PW G4	3193	106	93	3	4000	50	70	1570 x 19.7 x 12.9	929002162006
InteGrade engine NB Vi 1570mm 956 G4	2858	120	90	5	5600	50	70	1570 x 19.7 x 12.9	929002876306
InteGrade engine NB Vi 1660mm 930 PW G4	3112	98	93	3	3000	50	70	1660 x 19.7 x 12.9	929002185906
InteGrade engine NB Vi 1660mm 940 PW G4	3383	106	93	3	4000	50	70	1660 x 19.7 x 12.9	929002186006
InteGrade engine NB Vi 575mm 930 PW G4	1076	98	93	3	3000	50	70	575 x 19.7 x 12.9	929002161506
InteGrade engine NB Vi 575mm 940 PW G4	1169	107	93	3	4000	50	70	575 x 19.7 x 12.9	929002161606
InteGrade engine NB Vi 760mm 940 PW G4	1549	107	93	3	4000	50	70	760 x 19.7 x 12.9	929002876406
InteGrade engine NB Vi 760mm 956 G4	1291	120	90	5	5600	50	70	760 x 19.7 x 12.9	929002875906
InteGrade engine NB Vi 855mm 940 PW G4	1739	106	93	3	4000	50	70	855 x 19.7 x 12.9	929002876506
InteGrade engine NB Vi 855mm 956 G4	1553	120	90	5	5600	50	70	855 x 19.7 x 12.9	929002876006
InteGrade engine UB Va 1150mm 930 G4	1200	132	90	5	3000	50	70	1150 x 19.7 x 12.9	929002152006
InteGrade engine UB Va 1150mm 930 PW G4	1221	122	92	3	3000	50	70	1150 x 19.7 x 12.9	929002159906
InteGrade engine UB Va 1150mm 940 G4	1357	137	90	5	4000	50	70	1150 x 19.7 x 12.9	929002152106
InteGrade engine UB Va 1150mm 940 PW G4	1357	137	92	3	4000	50	70	1150 x 19.7 x 12.9	929002160006

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine UB Va 1150mm 940PWG4HFR	1084	136	92	3	4000	50	70	1150 x 19.7 x 12.9	929002162106
InteGrade engine UB Va 1150mm WWR G4	926	122		3		50	70	1150 x 19.7 x 12.9	929002152206
InteGrade engine UB Va 855mm 930 G4	914	130	90	5	3000	50	70	855 x 19.7 x 12.9	929002151706
InteGrade engine UB Va 855mm 930 PW G4	939	120	92	3	3000	50	70	855 x 19.7 x 12.9	929002159706
InteGrade engine UB Va 855mm 940 G4	1006	135	90	5	4000	50	70	855 x 19.7 x 12.9	929002151806
InteGrade engine UB Va 855mm 940 PW G4	1045	134	92	3	4000	50	70	855 x 19.7 x 12.9	929002159806
InteGrade engine UB Va 1150mm 940PWG4HFR	1084	136	92	3	4000	50	70	1150 x 19.7 x 12.9	929002162106
InteGrade engine UB Va 1150mm WWR G4	926	122		3		50	70	1150 x 19.7 x 12.9	929002152206
InteGrade engine UB Va 855mm 930 G4	914	130	90	5	3000	50	70	855 x 19.7 x 12.9	929002151706
InteGrade engine UB Va 855mm 930 PW G4	939	120	92	3	3000	50	70	855 x 19.7 x 12.9	929002159706
InteGrade engine UB Va 855mm 940 G4	1006	135	90	5	4000	50	70	855 x 19.7 x 12.9	929002151806
InteGrade engine UB Va 855mm 940 PW G4	1045	134	92	3	4000	50	70	855 x 19.7 x 12.9	929002159806
InteGrade engine UB Va 855mm WWR G4	730	120		3		50	70	855 x 19.7 x 12.9	929002151906
InteGrade engine UB Vi 1150mm 930 G4	1901	115	90	5	3000	50	70	1150 x 19.7 x 12.9	929002153206
InteGrade engine UB Vi 1150mm 930 PW G4	2021	106	92	3	3000	50	70	1150 x 19.7 x 12.9	929002160706
InteGrade engine UB Vi 1150mm 935 G4	1969	119	90	5	3500	50	70	1150 x 19.7 x 12.9	929002155506
InteGrade engine UB Vi 1150mm 940 G4	2156	119	90	5	4000	50	70	1150 x 19.7 x 12.9	929002153306
InteGrade engine UB Vi 1150mm 940 PW G4	2205	119	92	3	4000	50	70	1150 x 19.7 x 12.9	929002160806
InteGrade engine UB Vi 1150mm 956 G4	2285	119	90	5	5600	50	70	1150 x 19.7 x 12.9	929002153506
InteGrade engine UB Vi 1150mm WWR G4	1401	107		3		50	70	1150 x 19.7 x 12.9	929002153406
InteGrade engine UB Vi 140mm 930 G4	241	115	90	5	3000	50	70	140 x 19.7 x 12.9	929002152306
InteGrade engine UB Vi 140mm 930 PW G4	252	106	92	3	3000	50	70	140 x 19.7 x 12.9	929002160106
InteGrade engine UB Vi 140mm 935 G4	245	119	90	5	3500	50	70	140 x 19.7 x 12.9	929002155206
InteGrade engine UB Vi 140mm 940 G4	269	119	90	5	4000	50	70	140 x 19.7 x 12.9	929002152406
InteGrade engine UB Vi 140mm 940 PW G4	282	118	92	3	4000	50	70	140 x 19.7 x 12.9	929002160206
InteGrade engine UB Vi 140mm WWR G4	173	107		3		50	70	140 x 19.7 x 12.9	929002152506
InteGrade engine UB Vi 575mm 930 G4	951	115	90	5	3000	50	70	575 x 19.7 x 12.9	929002152606

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine UB Vi 575mm 930 PW G4	1011	106	92	3	3000	50	70	575 x 19.7 x 12.9	929002160306
InteGrade engine UB Vi 575mm 935 G4	985	119	90	5	3500	50	70	575 x 19.7 x 12.9	929002155306
InteGrade engine UB Vi 575mm 940 G4	1078	119	90	5	4000	50	70	575 x 19.7 x 12.9	929002152706
InteGrade engine UB Vi 575mm 940 PW G4	1102	119	92	3	4000	50	70	575 x 19.7 x 12.9	929002160406
InteGrade engine UB Vi 575mm WWR G4	701	107		3		50	70	575 x 19.7 x 12.9	929002152806
InteGrade engine UB Vi 760mm 930 PW G4	1316	106	92	3	3000	50	70	760 x 19.7 x 12.9	929002185606
InteGrade engine UB Vi 760mm 940 PW G4	1446	119	92	3	4000	50	70	760 x 19.7 x 12.9	929002185506
InteGrade engine UB Vi 760mm 956 G4	1510	119	90	5	5600	50	70	760 x 19.7 x 12.9	929002185706
InteGrade engine UB Vi 760mm WWR G4	918	107		3		50	70	760 x 19.7 x 12.9	929002185806
InteGrade engine UB Vi 855mm 930 G4	1432	115	90	5	3000	50	70	855 x 19.7 x 12.9	929002152906
InteGrade engine UB Vi 855mm 930 PW G4	1514	106	92	3	3000	50	70	855 x 19.7 x 12.9	929002160506
InteGrade engine UB Vi 855mm 935 G4	1474	119	90	5	3500	50	70	855 x 19.7 x 12.9	929002155406
InteGrade engine UB Vi 855mm 940 G4	1616	119	90	5	4000	50	70	855 x 19.7 x 12.9	929002153006
InteGrade engine UB Vi 855mm 940 PW G4	1667	118	92	3	4000	50	70	855 x 19.7 x 12.9	929002160606
InteGrade engine UB Vi 855mm 956 G4	1692	118	90	5	5600	50	70	855 x 19.7 x 12.9	929002153606
InteGrade engine UB Vi 855mm WWR G4	1046	107		3		50	70	855 x 19.7 x 12.9	929002153106
InteGrade engine Va 1150mm 930 G4 AH	197	107	90	5	3000	50	70	1150 x 18.5 x 11	929002156806
InteGrade engine Va 1150mm 930 PW G4	748	115	91	3	3000	50	70	1150 x 18.5 x 11	929002157506
InteGrade engine Va 1150mm 935 G4	712	127	90	5	3500	50	70	1150 x 18.5 x 11	929002154706
InteGrade engine Va 1150mm 940 PW G4	834	128	92	3	4000	50	70	1150 x 18.5 x 11	929002157606
InteGrade engine Va 1150mm 940 PW G4 HFR	769	128	92	3	4000	50	70	1150 x 18.5 x 11	929002162206
InteGrade engine Va 1150mm 956 G4	862	128	90	5	5600	50	70	1150 x 18.5 x 11	929002148406
InteGrade engine Va 1150mm WWR G4	618	113		3		50	70	1150 x 18.5 x 11	929002148006
InteGrade engine Va 140mm 930 G4 AH	24	104	90	5	3000	50	70	140 x 18.5 x 11	929002156606
InteGrade engine Va 140mm 930 PW G4	85	110	91	3	3000	50	70	140 x 18.5 x 11	929002156906
InteGrade engine Va 140mm 935 G4	80	121	90	5	3500	50	70	140 x 18.5 x 11	929002154406
InteGrade engine Va 140mm 940 PW G4	91	123	92	3	4000	50	70	140 x 18.5 x 11	929002157006
InteGrade engine Va 140mm 956 G4	109	124	90	5	5600	50	70	140 x 18.5 x 11	929002148106

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine Va 140mm WWR G4	70	108		3		50	70	140 x 18.5 x 11	929002147706
InteGrade engine Va 575mm 930 G4 AH	99	108	90	5	3000	50	70	575 x 18.5 x 11	929002156706
InteGrade engine Va 575mm 930 PW G4	374	115	91	3	3000	50	70	575 x 18.5 x 11	929002157106
InteGrade engine Va 575mm 935 G4	356	127	90	5	3500	50	70	575 x 18.5 x 11	929002154506
InteGrade engine Va 575mm 940 PW G4	417	128	92	3	4000	50	70	575 x 18.5 x 11	929002157206
InteGrade engine Va 575mm 956 G4	431	128	90	5	5600	50	70	575 x 18.5 x 11	929002148206
InteGrade engine Va 575mm WWR G4	309	113		3		50	70	575 x 18.5 x 11	929002147806
InteGrade engine Va 760mm 930 PW G4	497	115	91	3	3000	50	70	760 x 18.5 x 11	929002184906
InteGrade engine Va 760mm 940 PW G4	540	128	92	3	4000	50	70	760 x 18.5 x 11	929002184806
InteGrade engine Va 760mm 956 G4	574	128	90	5	5600	50	70	760 x 18.5 x 11	929002185006
InteGrade engine Va 760mm WWR G4	406	113		3		50	70	760 x 18.5 x 11	929002185106
InteGrade engine Va 855mm 930 PW G4	544	113	91	3	3000	50	70	855 x 18.5 x 11	929002157306
InteGrade engine Va 855mm 935 G4	516	125	90	5	3500	50	70	855 x 18.5 x 11	929002154606
InteGrade engine Va 855mm 940 PW G4	599	126	92	3	4000	50	70	855 x 18.5 x 11	929002157406
InteGrade engine Va 855mm 956 G4	648	127	90	5	5600	50	70	855 x 18.5 x 11	929002148306
InteGrade engine Va 855mm WWR G4	449	111		3		50	70	855 x 18.5 x 11	929002147906
InteGrade engine Vi 1150mm 930 PW G4	1406	102	92	3	3000	50	70	1150 x 18.5 x 11	929002158506
InteGrade engine Vi 1150mm 935 G4	1339	113	90		3500	50	70	1150 x 18.5 x 11	929002155106
InteGrade engine Vi 1150mm 940 PW G4	1568	114	92	3	4000	50	70	1150 x 18.5 x 11	929002158606
InteGrade engine Vi 1150mm 956 G4	1619	114	90	5	5600	50	70	1150 x 18.5 x 11	929002150206
InteGrade engine Vi 1150mm WWR G4	1338	102		3		50	70	1150 x 18.5 x 11	929002149806
InteGrade engine Vi 140mm 930 PW G4	164	102	92	3	3000	50	70	140 x 18.5 x 11	929002157906
InteGrade engine Vi 140mm 935 G4	152	113	90		3500	50	70	140 x 18.5 x 11	929002154806
InteGrade engine Vi 140mm 940 PW G4	183	114	92	3	4000	50	70	140 x 18.5 x 11	929002158006
InteGrade engine Vi 140mm 956 G4	204	114	90	5	5600	50	70	140 x 18.5 x 11	929002149906
InteGrade engine Vi 140mm WWR G4	151	102		3		50	70	140 x 18.5 x 11	929002149506
InteGrade engine Vi 575mm 930 PW G4	703	102	92	3	3000	50	70	575 x 18.5 x 11	929002158106
InteGrade engine Vi 575mm 935 G4	669	113	90		3500	50	70	575 x 18.5 x 11	929002154906

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade engine Vi 575mm 940 G4	810	114	90	5	4000	50	70	575 x 18.5 x 11	929002149206
InteGrade engine Vi 575mm 940 PW G4	784	114	92	3	4000	50	70	575 x 18.5 x 11	929002158206
InteGrade engine Vi 575mm 956 G4	810	114	90	5	5600	50	70	575 x 18.5 x 11	929002150006
InteGrade engine Vi 575mm WWR G4	669	102		3		50	70	575 x 18.5 x 11	929002149606
InteGrade engine Vi 855mm 930 PW G4	1030	102	92	3	3000	50	70	855 x 18.5 x 11	929002158306
InteGrade engine Vi 855mm 935 G4	973	113	90		3500	50	70	855 x 18.5 x 11	929002155006
InteGrade engine Vi 855mm 940 PW G4	1149	114	92	3	4000	50	70	855 x 18.5 x 11	929002158406
InteGrade engine Vi 855mm 956 G4	1218	114	90	5	5600	50	70	855 x 18.5 x 11	929002150106
InteGrade engine Vi 855mm WWR G4	971	102		3		50	70	855 x 18.5 x 11	929002149706
InteGrade F NB Va 1180mm 930 PW SD G4	960	109	93	3	3000	50	70	1180 x 18.2 x 24.5	929002189206
InteGrade F NB Va 1180mm 940 PW CTR G4	2086	118	93	3	4000	50	70	1180 x 31.1 x 24.5	929002189506
InteGrade F NB Va 1180mm 940 PW SD G4	1043	118	93	3	4000	50	70	1180 x 18.2 x 24.5	929002189306
InteGrade F NB Va 1180mm WWR CTR G4	2037	109		3		50	70	1180 x 31.1 x 24.5	929002187706
InteGrade F NB Va 1180mm WWR SD G4	1018	109		3		50	70	1180 x 18.2 x 24.5	929002187606
InteGrade F NB Va 1460mm 930 CTR G4	2558	118	90	5	3000	50	70	1460 x 31.1 x 24.5	929002186906
InteGrade F NB Va 1460mm 930 PW CTR G4	2412	109	93	3	3000	50	70	1460 x 31.1 x 24.5	929002189006
InteGrade F NB Va 1460mm 930 PW SD G4	1206	109	93	3	3000	50	70	1460 x 18.2 x 24.5	929002188806
InteGrade F NB Va 1460mm 930 SD G4	1279	118	90	5	3000	50	70	1460 x 18.2 x 24.5	929002186806
InteGrade F NB Va 1460mm 940 CTR G4	2712	128	90	5	4000	50	70	1460 x 31.1 x 24.5	929002187106
InteGrade F NB Va 1460mm 940 PW CTR G4	2608	118	93	3	4000	50	70	1460 x 31.1 x 24.5	929002189106
InteGrade F NB Va 1460mm 940 PW SD G4	1304	118	93	3	4000	50	70	1460 x 18.2 x 24.5	929002188906
InteGrade F NB Va 1460mm 940 SD G4	1356	128	90	5	4000	50	70	1460 x 18.2 x 24.5	929002187006
InteGrade F NB Va 1460mm 956 CTR G4	2484	132	90	5	5600	50	70	1460 x 31.1 x 24.5	929002187506
InteGrade F NB Va 1460mm 956 SD G4	1242	132	90	5	5600	50	70	1460 x 18.2 x 24.5	929002187406
InteGrade F NB Va 1460mm WWR CTR G4	2518	109		3		50	70	1460 x 31.1 x 24.5	929002187306
InteGrade F NB Va 1460mm WWR SD G4	1259	109		3		50	70	1460 x 18.2 x 24.5	929002187206
InteGrade F NB Va 1600mm 930 PW CTR G4	2658	109	93	3	3000	50	70	1600 x 31.1 x 24.5	929002189806

# InteGrade LED gen 4

## Product specifications

Product type	Light output	Module efficacy	Color rendering	Color consistency	Correlated color temperature	Case temp. lifetime	Tc maximum	Typical dimensions	Product code
	lm	lm/W	CRI	SDCM	K	°C	°C	mm	GPC
InteGrade F NB Va 1600mm 930 PW SD G4	1329	109	93	3	3000	50	70	1600 x 18.2 x 24.5	929002189606
InteGrade F NB Va 1600mm 940 PW CTR G4	2869	118	93	3	4000	50	70	1600 x 31.1 x 24.5	929002189906
InteGrade F NB Va 1600mm 940 PW SD G4	1434	118	93	3	4000	50	70	1600 x 18.2 x 24.5	929002189706
InteGrade F NB Va 1600mm 956 CTR G4	2739	132	90	5	5600	50	70	1600 x 31.1 x 24.5	929002876606
InteGrade F NB Va 1600mm 956 SD G4	1370	132	90	5	5600	50	70	1600 x 18.2 x 24.5	929002876706
InteGrade F NB Va 1600mm WWR CTR G4	2758	109		3		50	70	1600 x 31.1 x 24.5	929002187906
InteGrade F NB Va 1600mm WWR SD G4	1379	109		3		50	70	1600 x 18.2 x 24.5	929002187806
InteGrade F NB Vi 1180mm 930 PW CTR G4	4542	108	93	3	3000	50	70	1180 x 31.1 x 24.5	929002190606
InteGrade F NB Vi 1180mm 930 PW SD G4	2271	108	93	3	3000	50	70	1180 x 18.2 x 24.5	929002190406
InteGrade F NB Vi 1180mm 940 PW CTR G4	4910	117	93	3	4000	50	70	1180 x 31.1 x 24.5	929002190706
InteGrade F NB Vi 1180mm 940 PW SD G4	2455	117	93	3	4000	50	70	1180 x 18.2 x 24.5	929002190506
InteGrade F NB Vi 1460mm 930 PW CTR G4	5654	108	93	3	3000	50	70	1460 x 31.1 x 24.5	929002190206
InteGrade F NB Vi 1460mm 930 PW SD G4	2827	108	93	3	3000	50	70	1460 x 18.2 x 24.5	929002190006
InteGrade F NB Vi 1460mm 940 PW CTR G4	6172	117	93	3	4000	50	70	1460 x 31.1 x 24.5	929002190306
InteGrade F NB Vi 1460mm 940 PW SD G4	3086	117	93	3	4000	50	70	1460 x 18.2 x 24.5	929002190106
InteGrade F NB Vi 1600mm 930 PW CTR G4	6209	108	93	3	3000	50	70	1600 x 31.1 x 24.5	929002191006
InteGrade F NB Vi 1600mm 930 PW SD G4	3105	108	93	3	3000	50	70	1600 x 18.2 x 24.5	929002190806
InteGrade F NB Vi 1600mm 940 PW CTR G4	6803	117	93	3	4000	50	70	1600 x 31.1 x 24.5	929002191106
InteGrade F NB Vi 1600mm 940 PW SD G4	3401	117	93	3	4000	50	70	1600 x 18.2 x 24.5	929002190906

# Complementary partners

We are keen to bring the latest LED innovations to the market in a way that helps you design luminaires that meet your customers' needs. During this process, you might be faced with challenges that are not necessarily your speciality, but can easily be solved with the help of the right complementary partner. Our complementary partners develop parts that are a perfect match with the LED systems we design. We have regular contact with these partners and keep them informed at the early stages of the development road map. This means they can tailor their products to ensure perfect matches with the LED lighting components we bring to the market. Support for cooling, reflectors, lampholders and optics can be found via the complementary partners listed here. Please visit the websites for more product information or contact them directly if you have any specific requests.

## Cooling

**AVC**® **Asia Vital Components (AVC) CO. Ltd**  
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 E-mail: sales@avc.com.tw  
 Web: www.avc.com.tw  
 Application areas

**Mx MechaTronix**  
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 Kaohsiung City 80050  
 Taiwan  
 Tel: +886 7 2382185 Fax: +886 7 2382187  
 E-mail: led@mechatronix-asia.com  
 Web: www.led-heatsink.com  
 Application areas

## Mechanical fixings

**BJB**  
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 Tel.: +49 2932 982 0  
 E-mail: info@bjb.com  
 Web: www.bjb.com  
 Application areas

**SUNON**® **Sunon European Headquarters**  
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 Tel: +33 146 154 515 Fax: +33 146 154 510  
 Web: www.sunon.com  
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**Wisefull** **Wisefull Technology Ltd.**  
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 Tel: +86 769 8685 3888 Fax: +86 769 8772 4315  
 E-mail: contact@wisefull.com  
 Web: www.wisefull.com  
 Application areas

## Lenses

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 E-mail: info@bjb.com  
 Web: www.bjb.com  
 Application areas

**carclo** Optics  
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 Tel: +44 1753 575 011  
 E-mail: sales@carclo-optics.com  
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 Application areas

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 E-mail: sales@ckoptics.com  
 Web: www.ckoptics.com  
 Application areas

**DARKOO** 达尔科  
 一为控光而生  
**Darkoo Optics (Zhongshan) Co., Ltd**  
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 Zip code: 528400  
 Tel: +86 760 85332970 Fax: +86 760 85335526  
 E-mail: sales@darkoo.cc  
 Web: www.darkoo.cc/en/index.html  
 Application areas

**LedLink**  
 Linking LEDs to the Real World  
**LedLink Optics Inc**  
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 Application areas

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 Application areas

## Reflectors

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 Application areas

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 Application areas

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 Application areas

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 Application areas

We give no warranties regarding complementary partner products and assume no legal liability or responsibility for any loss or damage resulting from the use of the information thereto given here.



# Lighting definitions explained

Legend technical specifications	Symbol	Definition
Backwards compatible		It can work with an older product or technology
Beam angle	(°)	Exit angle of the light beam
Central beam candela		Power emitted by a light source in a particular direction. A common candle emits light with a luminous intensity of roughly one candela
Chip on board	CoB	Refers to the semiconductor assembly technology wherein the microchip or die is directly mounted on and electrically interconnected to its final circuit board, instead of undergoing traditional assembly or packaging as an individual IC
Correlated color temperature	K	CCT; describes whether white light appears warm (reddish), neutral or cool (bluish)
Color rendering index	CRI	The ability to reproduce the colors of various objects faithfully in reference to an ideal light source
Color consistency (initial)	SDCM	Standard Deviation of Color Matching; describing the difference between two colors. e.g. a difference of 1-3 SDCM is virtually imperceptible; a difference of 4 or more is readily visible
Connectivity		The capacity to be connected to other appliances, facilities and the internet
Digital		A collection of evolving technologies that enables generation, collection, analysis, storage in real-time and data exchange
Dimmable average lifetime 10% failure	hrs	Lifetime in hours, defined by reaching 10% failures (i.e. 90% survivors) when dimmed
Dimming range		Dimming range in which the system will perform as specified
Driver power factor		Indicating how effective the driver converts electric current to useful power output
Efficiency range max load		Efficiency when operated at maximum power (not dimmed)
12NC code		Product code
Frequency	Hz	See line frequency
Housing color		Color of housing
Input Voltage	V	Voltage required as input for the product
IP classification		Ingress protection defined in terms of object size and water beam protected against

Legend technical specifications	Symbol	Definition
Backwards compatible		It can work with an older product or technology
Inrush current peak		Highest current the capacitive components operate at start up
Lifetime	hrs	Lifetime in hours, associated with specific conditions (e.g. lumen maintenance, Tc, failure)
Lifetime 10% failure	hrs	Lifetime in hours, defined by reaching 10% failures (i.e. 90% survivors) for a population
Light output	lm	Output of luminous flux
Lumen maintenance @ 50,000 hrs		% of the original lumen flux remaining after indicated (life-)time for a defined population; e.g. B50/L70 indicates 50% of the population retaining 70% of the original light output
Luminous flux	lm	Total energy emitted by a light source across the visible wavelengths of light
Module efficacy	lm/W	Efficiency module; lumen output per Watt input
Module power	W	Energy required to operate the module
Module temperature control		Protective feature with which the driver regulates the module power when a certain critical temperature of the module is passed
Passive cooling		Cooling without power consumption
Power factor	Pf	See: driver power factor
Relative humidity	%	Portion of water vapor in a mixture of air and water vapor
Smart fixture		Lighting fixtures that are enabled for connectivity become a node in the network by containing one or more sensors and have the ability to change behavior as a response to a stimulus
System efficacy	lm/W	Efficiency module + driver
System power	W	Energy required to operate the system
Tc life driver	°C	Temperature of indicated point on the product on which the lifetime is based
Tc life module	°C	Temperature of indicated point on the product on which the lifetime is based
Zhaga		An industry-wide cooperation between companies aimed at enabling the interchangeability of LED light sources made by different manufacturers