

PHILIPS

January 2021

OEM LED

catalog 2021





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

A handwritten signature in white ink, appearing to read "Bob van der Linden".



Dear reader,

A warm welcome to the latest edition of our Asia LED Electronics, LED Lamps and WiZ Pro catalogue! This catalogue provides you with an update of the latest trends and technology innovations in LED lighting.

We see three major trends in lighting will help OEMs. First, the ongoing trend for saving energy. Second, an increased focus on health and wellbeing, combined with an increased awareness of the impact of light on people. Third, the increasing possibilities and opportunities with Connected Lighting.

All three major trends are enabled by our wide product portfolio including our Connected Lighting solutions. I am especially proud of our latest Connected proposition enabled by the Philips MasterConnect field App. It makes it very simple to step into Professional Lighting and scale up further with new use cases over time. While with WiZ Pro, we introduce value-focused Connected Lighting for inviting ambiances.

Light sources are becoming more focused on making people feel and function better. Like our Cyan Enhanced Static (CES) modules. They provide a light spectrum that mimics the effect of daylight in for example office, schools or hospital spaces, thereby helping to improve circadian rhythm. Or our FlexTune systems, which offer high quality, Tunable White solutions that allow color temperatures to be adjusted to optimize wellbeing.

Another highlight I like to mention here is our growing Flexible LEDStrip portfolio, which brings even more possibilities to apply decorative Lighting wherever you can imagine.

All these developments come at the right time to bring new value to lighting. They will also help to counteract the ongoing commoditization in the Lighting Industry. Ultimately, this gives us confidence that the economic recovery that we foresee in the coming years, will bring plenty of opportunities for us to come out stronger than ever.

Bob van der Linden

Product Management Lead Asia
LED Electronics

Learn more at

www.lighting.philips.com.sg/oem-asia

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Our new products

Our passionate team at Philips endeavors to bring you a series of new product introductions that are relevant to your design and business needs.



Connectivity

Just released!

EasyAir SNS210 MC
See page 35



This next-generation sensor enables Bluetooth communication for easy and quick installation in indoor spaces such as offices, schools or hospitals. A one stop, future-proof device, it works in a stand-alone manner or with a gateway via Zigbee technology. It works with a simple, user-friendly iOS/Android app for an intuitive workflow that takes advantage of motion and daylight sensing for significant energy savings.

EasyAir SNS410 MC
See page 35



A radio-only node built on the same platform as SNS210 but can work across both office and industry applications. It is a complementary product to wireless drivers and can be setup to communicate with ZGP sensors via the Philips field app MC*.

Connectivity

Just released!

EasyAir switches
See page 36



Designed for basic use cases with manual control in connected lighting networks built with the Philips field app MC*. The switches are wireless and battery-less, needing no maintenance. Can be easily setup using the app; and is also supported for EasyAir SNS200.

EasyAir room-based sensors
See page 35



A Zigbee Green Power (ZGP) sensor with the capability to detect occupancy and daylight levels. It works with Xitanium MC wireless drivers or EasyAir SNS410 for room-based control applications and is ideally suited for offices, schools or hospitals. The sensors are battery powered with a lifetime of more than seven years.

Indoor Point Drivers

Just released!

Xitanium Single Current G3
See page 82



This range provides an affordable selection of point drivers which have 50,000 hours lifetime. The driver specially addresses the flickering issues by low ripple current, making this ideal for camera operation.

CertaDrive Single Current G3
See page 86



CertaDrive is most popular Philips 30K hours driver family in APR. The G3 has been upgrade to low ripple features.

CertaDrive Track Adaptor Driver
See page 87



CertaDrive track adaptor driver is the a 30,000 hours lifetime track adaptor drivers suitable for APR market.

Spotlight Modules

Just released!

Fortimo SLM HE(Super 90) Gen7
See page 96



Fortimo LED SLM Gen7 CRI90 HE continues to focus on the combination of Quality of Light and efficacy. The new HE range has a significant improvement on CRI90 efficacy and close the efficacy gap to < 5% vs. CRI80 range. In the meantime, the new HE range will be delivered with 2 SDCM color consistency. The superior efficacy and color consistency of Fortimo SLM G7 HE will further unlock the extraordinary potential of light, facilitate the innovation and inspire the next generation luminaire design at our OEM customers.

CertaFlux SLM Gen2
See page 106



CertaFlux LED SLM is a most cost effective and affordable CoB family from Philips. With upgrade from Gen1 to Gen2, 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 - 5800m, available in 2700K, 3000K, 3500K, 4000K, 5000K with CRI 80 and CRI90, and fully compatible with our Philips Drivers.

Spotlight Modules

Coming soon!

Fortimo SLM Crisp White Gen7
With improvement of efficiency from Gen6 to Gen7, the new introduced Fortimo SLM Crisp White provides the 8%+ efficacy with continuous Quality of Light performance.

LED Flex Just released!

CertaFlux LEDFlex Gen1
See page 176



The new 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.

Our new products

Our passionate team at Philips endeavors to bring you a series of new product introductions that are relevant to your design and business needs.



Outdoor Drivers

Just Released!

**Xitanium Lite Programmable Drivers
100W/150W/200W**
See page 50



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

Xitanium Global Mains Low Voltage Drivers
See page 51



Xitanium low-voltage, dimmable and adjustable output current LED Drivers are designed to provide maximum reliability and flexibility to outdoor applications virtually any region of the world.

Xitanium Global Line Lite Programmable Drivers 100W/150W
See page 50



Designed to deliver high performance and maximum flexibility thru global input, adjustable current via SimpleSet, dimming and reliable surge protection. IP67 Global Lite Programmable drivers for outdoor applications.

Indoor Linear Drivers

Just released!

**Xitanium Single Current
41W/54W/72W**
See page 146



New generation with range extension to 72W and selectable output currents via dipswitch.

Xitanium 32W/48W Independent Dali driver
See page 143



Designed for Panel and Downlight applications when light point control is needed. Support Dali 2.0 and TouchDim. Selectable output currents via dipswitch. Simple to use with Dali controllers without software configurations.

Coming soon!

Xitanium 90W DALI drivers (non-isolated)



The non-isolated DALI driver range will be extended with 90 W drivers. There will be 220 V versions and a 300 V version, offering you more flexibility to create the perfect lighting system.

Linear Modules

Just released!

Fortimo LED strip high flux Gen6
See page 155



We've upgraded our board design to increase the efficacy of the modules. And in addition to the 2000 lm per ft modules you're already familiar with, new 3000 lm per ft modules in the portfolio further support high ceiling applications in industrial areas. Ideally suitable for trunking, waterproof and highbay luminaires.

Fortimo LED strip CES
See page 156



Scientists predict that the next era in lighting will concentrate on human-centric lighting (HCL). With the Fortimo LED strip CES (cyan enhanced static) we bring a new LED module to the market which generates the right spectrum to improve people's circadian rhythm. This is done in a static solution based on the design of Fortimo LED strip Gen5, which allows you to easily upgrade your luminaires to a HCL version.

Linear Modules

Just released!

Fortimo LED strip FlexTune
See page 157



These LED modules are designed to function optimally with the newly released Xitanium FlexTune drivers to create, in an easy way, a tunable white lighting system. The modules come in two types: a new unique concept that does the CCT tuning inside the LED and one with the traditional concept of two individual CCT LEDs to mix the CCT on a board level.

Fortimo LED square HV/LV3
See page 160



This upgrade of the Fortimo LED square portfolio will increase the efficacy of the modules and extends the range with our CRI 90 High Efficiency technology.

Linear Modules

Just released!

Fortimo LED square FlexTune HV/LV3
See page 160



We've added the FlexTune feature to our Fortimo LED square portfolio to enable more tunable white applications for our customers. Now available in both 1250 lm and 2500 lm versions, based on our CRI 90 High Efficiency technology.

CertaFlux Backlit Panel Gen2
See page 164



The Certaflux BL LED Panel MD2 is an economical LED panel which is available in several sizes to meet the different ceiling criteria. It can be very easily combined with a wide choice of drivers which gives the flexibility of different flux outputs and efficiencies.

Our new products

Our passionate team at Philips endeavors to bring you a series of new product introductions that are relevant to your design and business needs.



Linear Modules

Coming soon!

Fortimo LED strip CED

An extension of our HCL range, which can be perfectly combined with our Xitanium FlexTune drivers. This cyan enhanced dynamic (CED) module based on the Fortimo LED strip Gen5 platform allows for a dynamic CCT combined with additional cyan light to improve people's circadian rhythm.

The result of combining this CED module with FlexTune drivers is a wide range of CCTs with a dedicated MDER performance per CCT.

Fortimo LED strip OC Gen5 - CRI 90 high efficiency

We're adding our CRI 90 High Efficiency technology to our Fortimo LED Strip OC range. With this, you have a perfect match of high quality of light and high energy efficiency. This can be combined with dedicated optics for the best luminaire performance.

Linear Modules

Coming soon!

Fortimo LED strip Gen5 & OC Gen5: 0.25 ft extension

Quarter ft lengths will become available in our Fortimo LED strip HV5 and Fortimo LED strip OC HV5 product families. This enables a more flexible use of the product families in light lines

Fortimo HE highbay module

A special highbay LED module combined with heatsink for an high lm/W performance.

Fortimo highbay module

The competitive alternative for highbay applications consisting of a LED module combined with heatsink.

Downlight Modules

Coming soon!

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 integrated with optical and heatsink which help to make the product extremely easy to use. Optimized diffuser gives uniform light. Whole portfolio is fully compatible with Philips Drivers and with high flexibility in lm/w and \$/W. With the upgrade from Gen1 to Gen2, we would like to provide a more cost competitive solutions to our OEM customers.

Retail Display Lighting

Just released!

Philips InteGrade S Gen1

See page 134



InteGrade S is an InteGrade platform that offers symmetrical light distribution, 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 more of the customer's attention towards merchandise.

Dimmable Philips constant voltage LED transformers with 1-10 V control interface 30W/60W/100W/150W/250W

See page 136



Philips constant voltage LED transformers are independent slim drivers designed to operate 24 VDC LED solutions with 1-10 V control interface including dim to OFF used in indoor applications such as retail display lighting, linear accent lighting and decorative lighting. Along with their indoor applications, Philips constant voltage LED transformers ensure the highest performance with maximum robustness combined with a long lifetime.

Retail Display Lighting

Just released!

Dimmable Philips constant voltage LED transformers with DALI 2.0 control interface 60W/100W/150W

See page 136



Philips constant voltage DALI LED transformers are independent drivers designed to operate 24 VDC LED solutions with PWM frequency above 2 kHz, DALI 2.0 control interface and Touch and Dim interface used in indoor applications such as retail display lighting, linear accent lighting and decorative lighting. Along with their indoor applications, Philips constant voltage LED transformers ensure the highest performance with maximum robustness combined with a long lifetime.

Retail Display Lighting

Coming soon!

Philips InteGrade Gen4

Our InteGrade Gen4 family offers you superior visual display with best-in-class efficiency, meeting latest Single Light Regulation (SLR) and Design Lights Consortium (DLC) requirements. We offer two color ranges: premium white with CRI 95 and standard colors with CRI 90. The fourth generation of the very successful InteGrade range includes a brand new lengths for shelf, canopy and vertical application and brand new fixtures featuring a slim and miniaturized design with a breakthrough optical design for perfect uniform light distribution in the chillers.

Our OEM technology



We are responsible for the development of new light sources, drivers and controls for the new-build luminaire market.

We have been focusing on this market for over three decades and have a solid track record of technology leadership, combined with excellent application knowledge and market understanding. Prime activities include designing, developing, manufacturing and selling light sources, drivers, LED light engines and controls to luminaire manufacturers for incorporation into new luminaires. There is a wide, varied product portfolio available, ranging from fluorescent, HID, halogen lamps and drivers to LED downlight, spotlight, linear and outdoor LED light engines.

www.lighting.philips.com.sg/oem-asia

Retail

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.

Office

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.

Industry

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

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.

Hospitality

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.



Simple, scaleable, standardized

The future is stand-alone lighting that works with the intuitive Philips field app

Simplifying the connectivity challenge

Taking the first steps into connected lighting demands all your skills. From knowing which lighting components will work best together, to setting up and configuring a new lighting network in precisely the right way. So your solution delivers all the connectivity features that you have promised your customers.

It's been a challenge that has required a great deal of time and effort. Until now. Because we've made it incredibly easy to create and control a flexible and scalable wireless lighting network with guaranteed interoperability. And you can do it using only a Bluetooth connection and an intuitive new app.

When connected lighting is this simple, scalable and standardized, it's time to step up to the next level.

Achieve seamless connectivity

The Philips field app MC is an innovative way of enabling 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.

Quick and simple set up

The lighting network set up and configuration is designed to be quick and simple. Lights can be commissioned into the network with our innovative point and trigger approach (using a torch), or via a Bluetooth list-based function. This saves time and money by enabling installers to configure a wireless connected network in the field – even when no internet connection is available.

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. So you can create a simple stand-alone solution, a sophisticated gateway solution or anything else in between. And you can do it without locking into one single vendor or facing compatibility problems with new products or component releases.

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. We also offer software development kits and components that are compatible with a wide range of third party products. So you can break down the barriers to connected lighting, and take confident steps towards a brighter, connected future.



Philips field app MC use cases at a glance

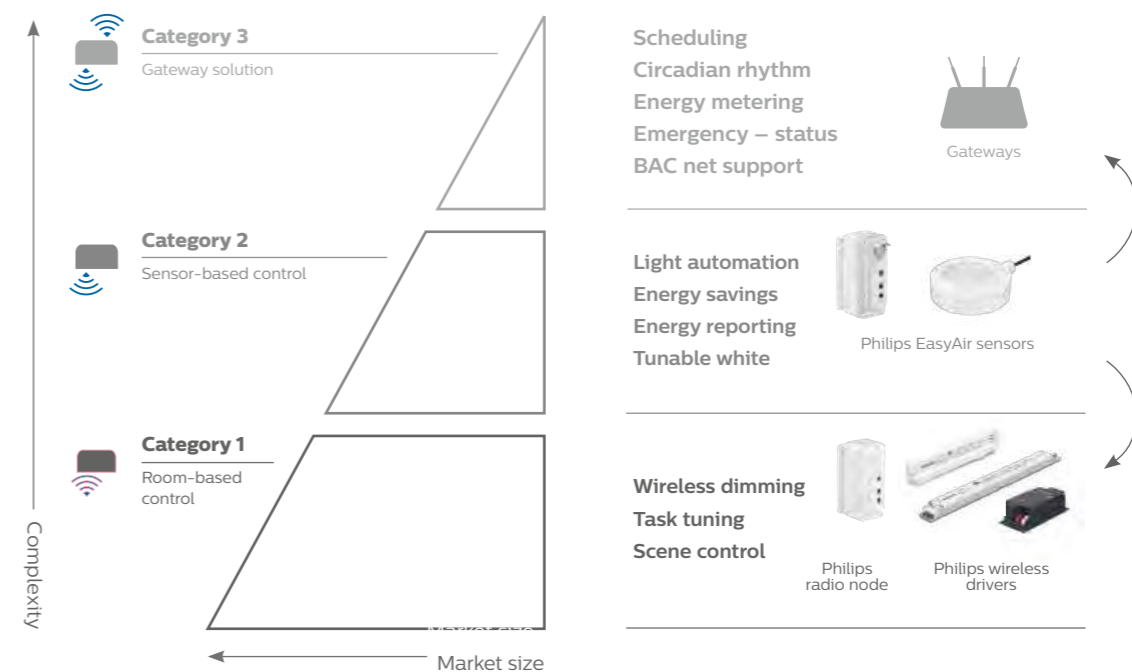


Figure 1: Three levels of lighting connectivity.

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

Category 1

Get started with a simple, stand-alone solution

This cost-effective option uses the Philips field app MC 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 field app MC.

Ideal for:
An EasyAir SNS410 MC improves the strength of the radio performance. The design-in can also be extended to industry applications.




-  Titanium 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.

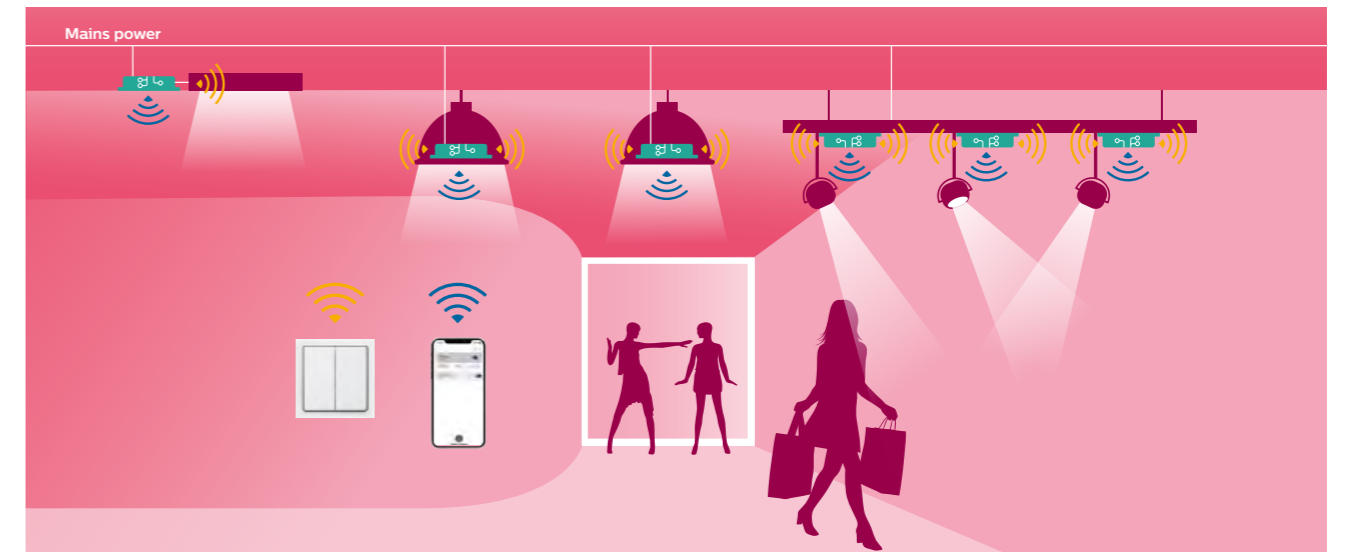
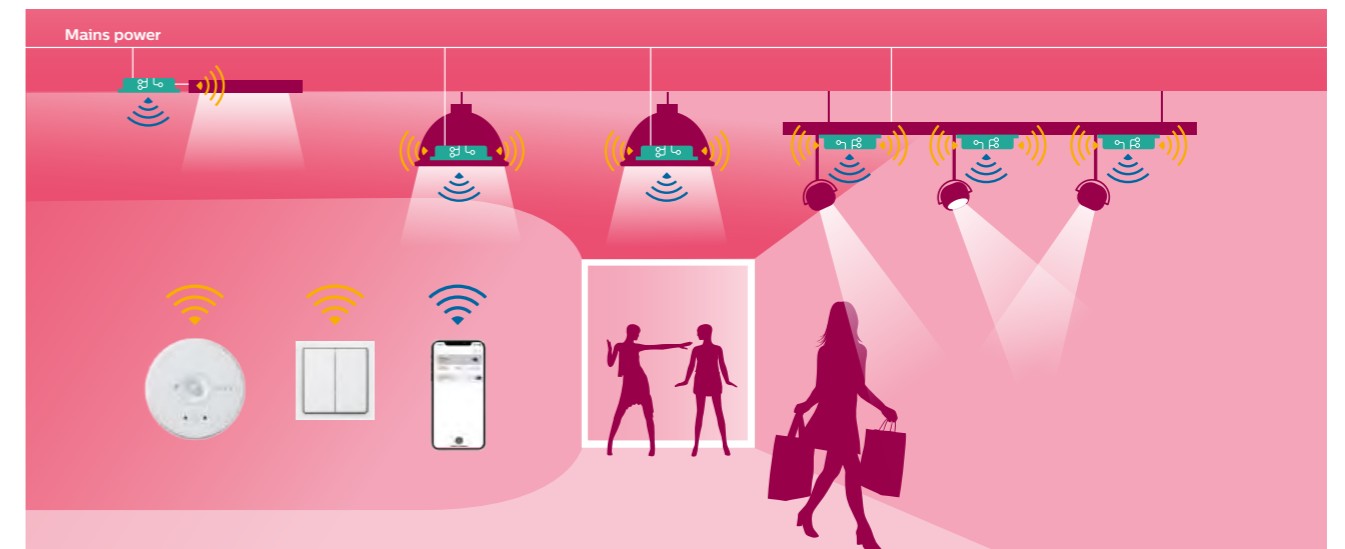


Figure 4: **Want more control over areas?**
Simply add more functions to your lighting network by adding room-based sensors.



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).

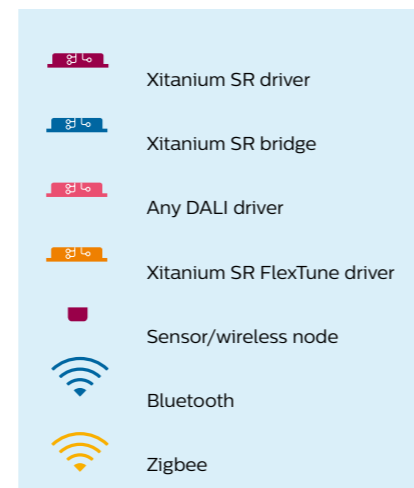


Figure 5: **Want an extra degree of control?**

Just add EasyAir SNS210 sensors to every SR-powered luminaire in your network.

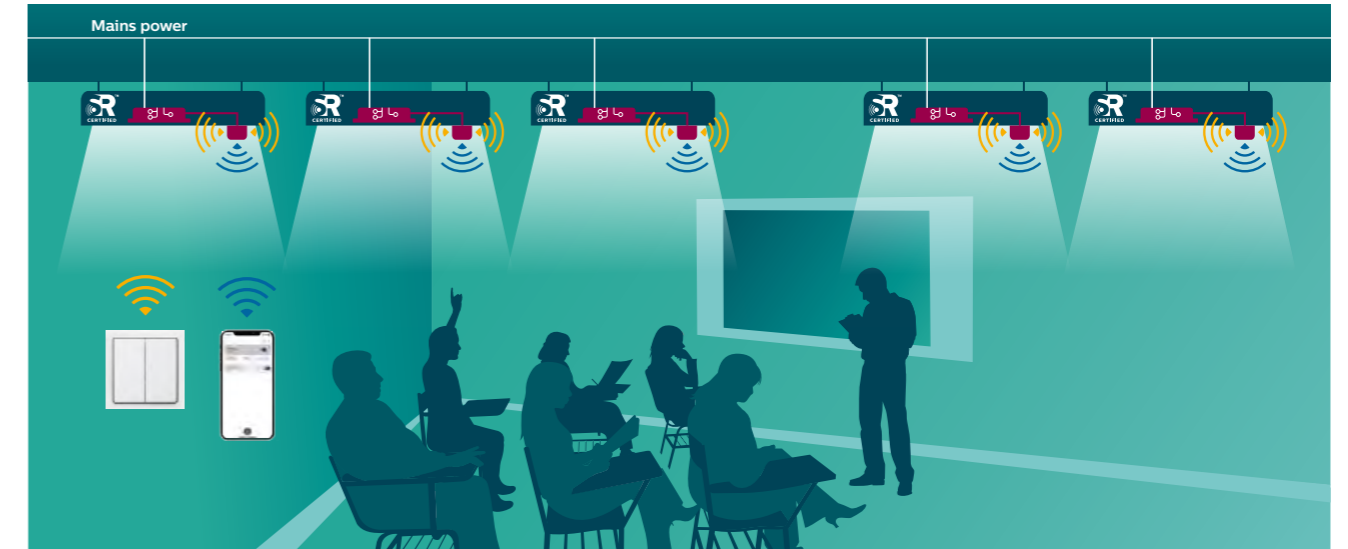


Figure 6: **Using existing wired DALI luminaires?**

Simple. Add them into the network at any time using an SR bridge.

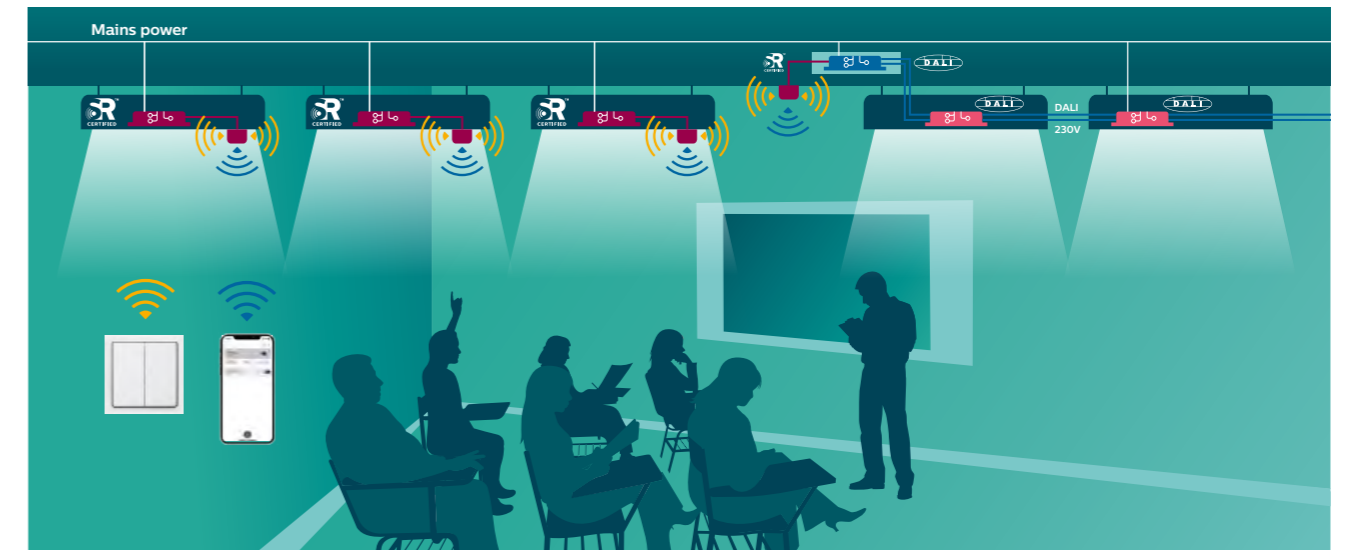
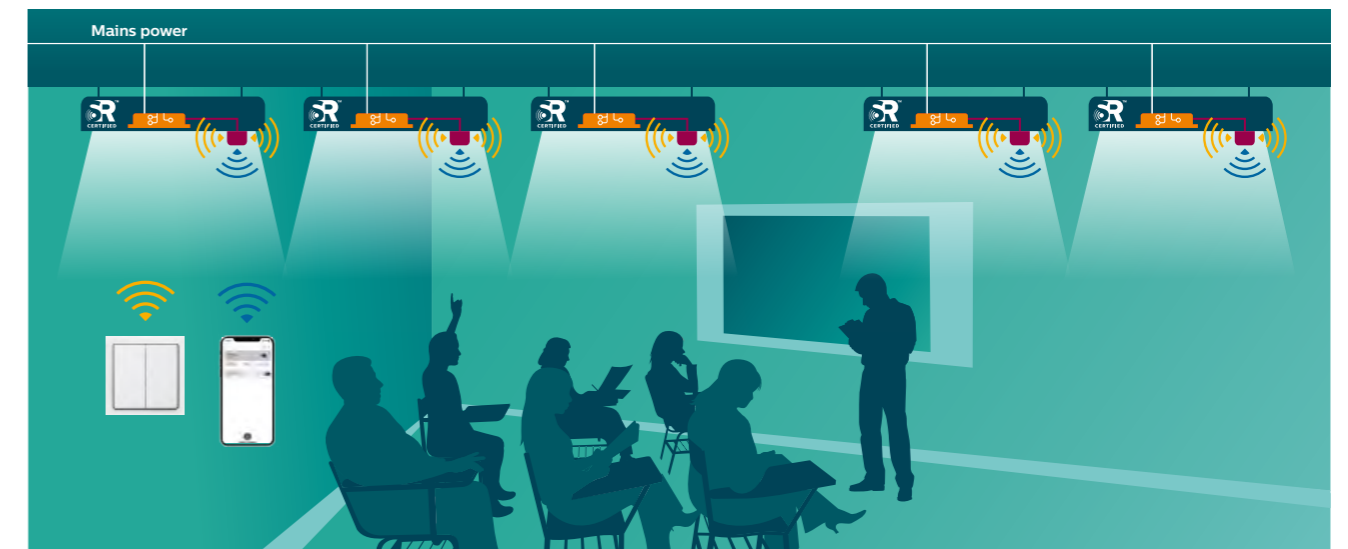


Figure 7: **Need more ambience?**

Create a tunable white system using a Xitanium SR FlexTune driver and EasyAir SNS210 sensor.



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.

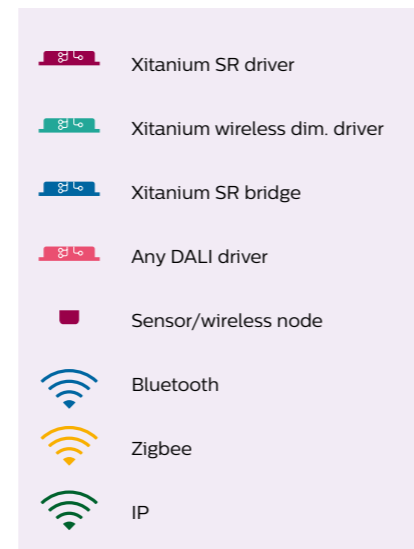
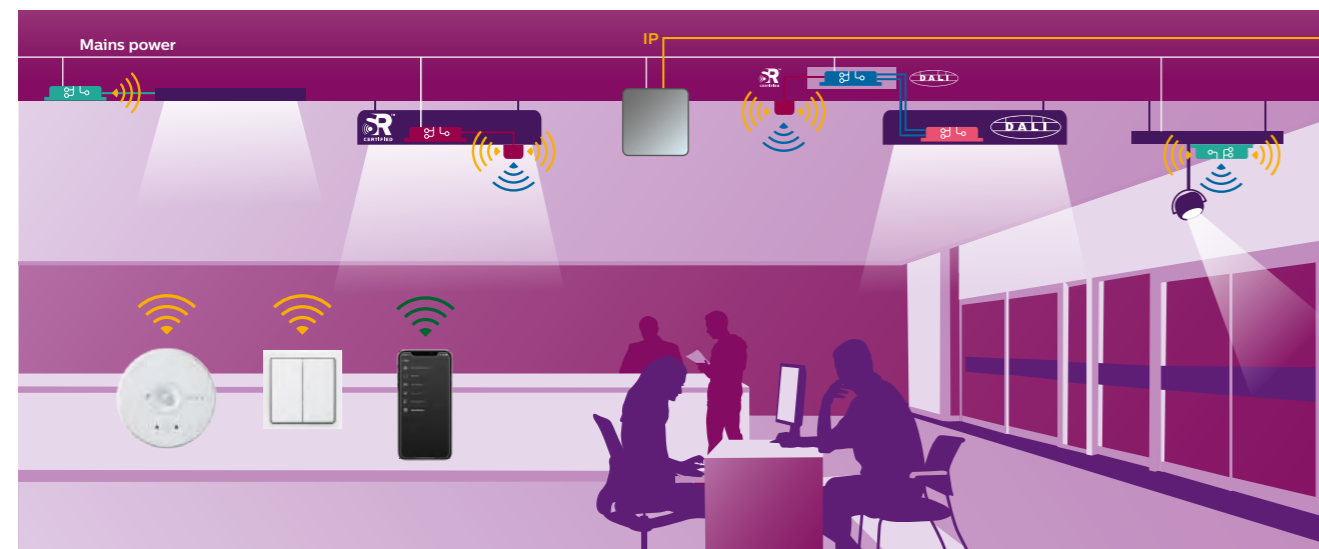
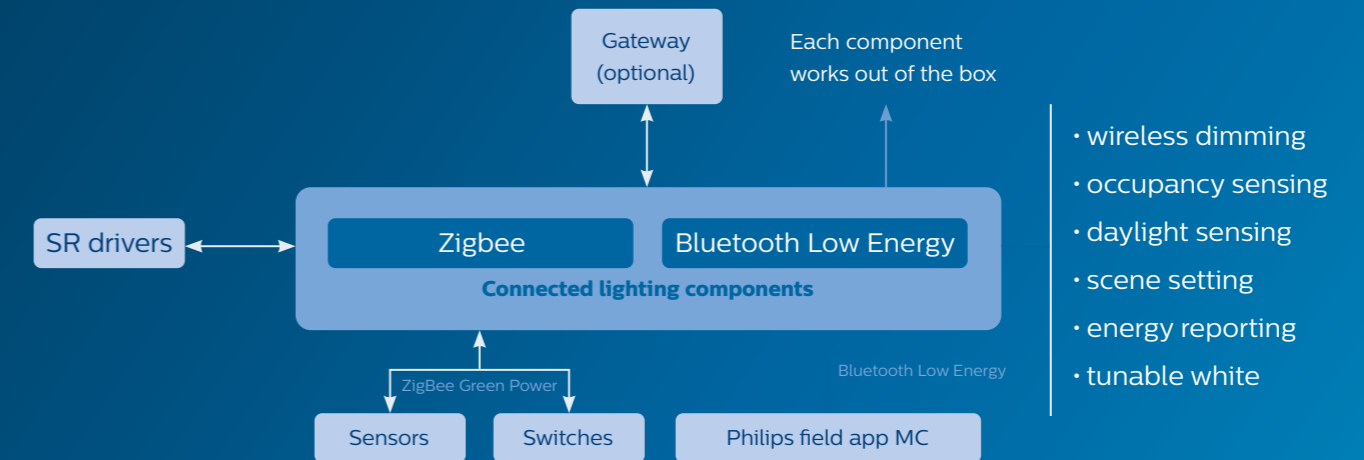


Figure 8: An integrated IoT solution for indoor lighting architecture.



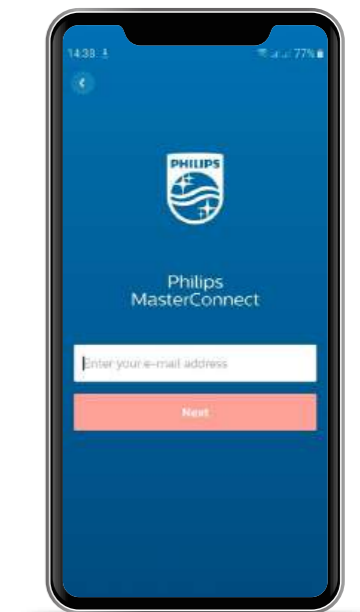
All open standards within one connected lighting network

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



Download the app today

Take the next steps towards simple, scalable, standardized connected lighting. To learn more about lighting components that work with the Philips field app MC for a wide range of applications, access www.philips.com/fieldappmc. Or download the Philips field app MC and get connected now.



WIZ PRO

Bluetooth **WiFi** CERTIFIED



16 million colors
Warm to cool whites
Smart dimming

works with Hey Google | WORKS WITH alexa | works with Siri Shortcuts | Works with SmartThings

BUILT FOR SMALL AND MEDIUM PROJECTS

20-200 light points



High-end residential



Multi-residential



Restaurant



Hospitality



Shop



Office



EASY COMMISSIONING



Complicated wiring is now a thing of the past. Save time with the WIZ Setup app which operates on Bluetooth mesh for effortless wireless commissioning, as most sites have no Wi-Fi in the early stages of the project.



INSTANT WIRELESS CONTROL



Once you have the lights up and running, anyone can enjoy wireless control via Bluetooth mesh accessories — smart switches, remotes and sensors. No app or Wi-Fi connection required, just simple and direct light control.

CREATE A WELCOMING SPACE

Ambience creation - turning the professional workplace into a warm and inviting environment for employees, guests and clients - 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 - WIZ Pro. Choose between its wide range of lamps or transform your own lighting fixtures or devices with drivers that bring you into the full WIZ platform that caters to the needs of all stakeholders.

Other important connected light features:

- Easy setup and use
- Reliable everyday connectivity
- Energy efficiency



APP CONTROL



Connecting via Wi-Fi through the WIZ app for end-users offers a richer and customizable experience with pre-designed light modes. Includes 24/7 chat support function.



ADVANCED FACILITIES MANAGEMENT



The WIZ Dashboard goes even further by allowing lighting installation control and remote site management. Get actionable light insights and monitoring with a clear overview of the entire installation.

INSTALL AND CONTROL LOCALLY

BLUETOOTH MESH

SETUP APP

WiZ Pro is plug-and-play, so set up is easy with the smartphone app through wireless Bluetooth mesh commissioning. No gateway or Wi-Fi needed, so you don't need I.T. specialists either. Follow the step-by-step instructions on screen: add your products, decide which rooms you want them to be in and perform tests to make sure they work before you hand it over.



UPGRADE TO FULL CLOUD CONNECTIVITY

Wi-Fi

WiZ APP FOR END-USERS

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



DASHBOARD

Get the full picture and visualize where your lights actually are on within a space once you upload the area's floor plan. Set and supervise 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.



CREATE YOUR OWN WELCOMING SPACE. GET IN TOUCH WITH US TODAY.

WiZ Pro is an innovative new way to turn your OEM lighting products into smart solutions that create warm and comfortable ambiances. To become a real WiZ on WiZ Pro, go to wizconnected.com/pro or contact your local Signify representative.

BRING YOUR PRODUCTS ONTO THE WiZ PLATFORM

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



MODULES

Product name	12NC	Operating voltage V	Average operating current mA	Peak current mA	Interfaces	PWM voltage V	Default PWM frequency Hz
WiZ ESP32-SOLO-1 DW	929002618080	3.0-3.6	80	500	1 x PWM	3.0-3.6	200
WiZ ESP32-SOLO-1 TW	929002618180	3.0-3.6	80	500	2 x PWM	3.0-3.6	200
WiZ ESP32-SOLO-1 TW (DW/CCT)	929002618280	3.0-3.6	80	500	2 x PWM	3.0-3.6	200
WiZ ESP32-SOLO-1 RGBTW	929002618380	3.0-3.6	80	500	5 x PWM	3.0-3.6	200
WiZ ESP32-WROOM-32U DW	929002682680	3.0-3.6	80	500	1 x PWM	3.0-3.6	200

DRIVERS

Product name	12NC	Housing mm	Dimming range %	Output power range W	Output current A	Output voltage range V	AOC setting	Life time h
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	Dip switch	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	Dip switch	50000

BRIDGE BOXES

Product name	12NC	Housing mm	Dimming range %	Dimming method	Input voltage V	Max. output power W	No. of output channel	Life time h	Installations
WiZ Pro Phase-cut Bridge Box I 220-240V	929002613409	87.5x41x28	10-100	Trailing-Edge	220-240ac	150	1CH	50000	Independent
WiZ Pro 1-10V Bridge Box I 220-240V	929002613509	87.5x41x28	0-100	1-10V	220-240ac	300	1CH	50000	Independent
WiZ Pro DW Bridge Box I 12-24V	929002499409	87.5x41x28	0-100	PWM	12-24dc	90	1CH	50000	Independent
WiZ Pro TW Bridge Box I 12-24V	929002499509	87.5x41x28	0-100	PWM	12-24dc	180	2CH	50000	Independent
WiZ Pro RGBTW Bridge Box I 12-24V	929002613309	87.5x41x28	0-100	PWM	12-24dc	180	5CH	50000	Independent

LED LAMPS

Product name	12NC	Cap	Bulb shape	Lamp wattage claim W	Replaced wattage W	CCT K	Lumen lm	Life time h	CRI
WiZ Pro 50W GU10 927-65 TW 1CT/6	929002448371	GU10	PAR16	4.9	50	2700-6500	400	15000	90
WiZ Pro 50W GU10 922-65 RGB 1CT/6	929002448471	GU10	PAR16	4.9	50	2200-6500 (RGB)	400	15000	90
WiZ Pro 40W C37 E14 927-65 TW 1CT/6	929002448771	E14	C37	4.9	40	2700-6500	470	15000	90
WiZ Pro 40W C37 E14 922-65 RGB 1CT/6	929002448871	E14	C37	4.9	40	2200-6500 (RGB)	470	15000	90
WiZ Pro 60W A60 E27 927-65 TW 1CT/6	929002383571	E27	A60	8	60	2700-6500	806	25000	90
WiZ Pro 60W A60 E27 922-65 RGB 1CT/6	929002383671	E27	A60	8	60	2200-6500 (RGB)	806	25000	90
WiZ Pro 60W A60 B22 927-65 TW 1CT/6	929002383771	B22	A60	8	60	2700-6500	806	25000	90
WiZ Pro 60W A60 B22 922-65 RGB 1CT/6	929002383871	B22	A60	8	60	2200-6500 (RGB)	806	25000	90
WiZ Pro 100W A67 E27 927-65 TW 1CT/6	929002449671	E27	A67	13	100	2700-6500	1521	15000	90
WiZ Pro 100W A67 E27 922-65 RGB 1CT/6	929002449771	E27	A67	13	100	2200-6500 (RGB)	1521	15000	90
WiZ Pro 75W G95 E27 927-65 TW 1CT/6	929002451071	E27	G95	11	75	2700-6500	1055	25000	90
WiZ Pro 75W G95 E27 922-65 RGB 1CT/6	929002383971	E27	G95	11	75	2200-6500 (RGB)	1055	25000	90

LED STRIPS

Product name	12NC	Lamp wattage claim W	Total lumen lm	CRI	CCT K	Life time h	Length mm	Plug type	Cord length mm
WiZ Pro LED Strip 2M 1600lm StartKit Type-C	929002681171	20	1600	80	2700-6500 (RGB)	15000	2000	EU plug	1500
WiZ Pro LED Strip 2M 1600lm StartKit Type-G	929002681271	20	1600	80	2700-6500 (RGB)	15000	2000	BS plug	1500
WiZ Pro LED Strip 1M 800lm Extension	929002681471	11	800	80	2700-6500 (RGB)	15000	1000	-	-

OEM product families

LED modules and
drivers; your partners in
performance.

Our range of LED modules and drivers cover all your luminaire application requirements. We offer two component levels: the high-performance Fortimo in combination with Xitanium that push the performance boundaries in high-end lighting applications, and CertaFlux and CertaDrive for basic solutions in general lighting applications.

For today,
for tomorrow.

Fortimo LED modules

The reliable Fortimo LED modules deliver exceptional light quality. They are 'partners in performance' for our extensive range of high-efficiency Xitanium LED drivers. These modules include advanced features that boost performance, simplify design-in, increase flexibility and extend the operational life. The extensive range of configurations covers downlight, spotlight, linear and outdoor LED light modules for luminaires. A five-year system warranty provides extra peace of mind.

Xitanium LED drivers

The state-of-the-art Xitanium LED drivers are robust and reliable, and are offered with a wide choice of operating windows. They are 'partners in performance' for Fortimo LED modules. These drivers come in various form factors and are available for indoor and outdoor applications. The range comprises fixed light output and dimming versions as well as programmable drivers that provide the flexibility to configure the drivers at a later stage. Xitanium drivers are guaranteed for five years. SR versions are available for enabling connected lighting solutions.

CertaFlux LED modules


CertaFlux LED modules deliver basic product functionality and a fit-for-purpose performance for high-volume lighting sold through trade distribution channels. They are easy to design-in, simplify assembly and meet relevant EU regulations. The range covers linear, spot and downlight applications. These modules are performance-matched for use with our CertaFlux LED drivers. A three-year system warranty (module and driver) completes the package.

CertaDrive LED drivers











CertaDrive LED drivers are designed to meet your market needs for basic lighting products. They are ideal for high-volume applications, and complement our CertaFlux LED modules, as well as third-party LED engines. Offering basic specifications, such as specific current and voltage settings, these drivers come with a three-year system warranty (module and driver).











Sometimes good can be great.

LED Drivers Portfolio

	Outdoor Drivers	Industrial Drivers	Industrial Modules	Point Drivers	Linear Drivers	Constant Voltage Drivers 24VDC
<p>S</p> <p>Statement Connected and programmable</p>	<p>Xitanium SR</p>  <p>C133 C150 C170 S240 Independent</p> <p>Xitanium Full Programmable</p>  <p>S175 S240 C123 C133 C170</p>			<p>Xitanium Programmable</p>  <p>I200 B97</p>	<p>Xitanium & Xitanium iXt SR</p>  <p>L280 L360</p> <p>Xitanium & Xitanium iXt Programmable</p>  <p>L280 L360 L215</p>	<p>Xitanium Dali</p> 
<p>P</p> <p>Performance Connected and programmable</p>	<p>Xitanium Lite Programmable</p>  <p>S175 S240 C123 C133 C170</p> <p>Xitanium Adjustable Output Current</p> 	<p>Xitanium Round High Bay</p> 	<p>Fortimo High Bay HE</p> 	<p>Xitanium Adjustable Output Current (WH Family)</p>  <p>I200</p> <p>Xitanium Adjustable Output Current (Mini Family)</p>  <p>B97</p> <p>Xitanium Adjustable Output Current (Track Family)</p> 	<p>Xitanium & Xitanium iXt Adjustable Output Current, Fixed Output</p>  <p>L280 L360</p> <p>Xitanium Adjustable Output Current 1-10V</p>  <p>L280 L360 L424</p>	<p>Xitanium Dimmable 1-10V</p> 
<p>C</p> <p>Core Performance and reliability</p>	<p>Xitanium Dimmable Single Current</p> 	<p>Xitanium Dimmable Single Current High Bay</p> 	<p>Fortimo High Bay</p> 	<p>Xitanium Single Current (Mini Family)</p>  <p>B97</p> <p>Xitanium Single Current</p>  <p>I115 I108</p> <p>Xitanium Track Adaptor Driver</p>  <p>Xitanium Single Current TE</p>  <p>B100 I108</p>	<p>Xitanium Single Current</p>  <p>L210 L250 L280</p> <p>Xitanium Single Current Panel Driver Fixed Output & 1-10V</p>  <p>L143 L115 L195</p>	<p>Xitanium non-Dimmable</p>  <p>Xitanium non-Dimmable IP67</p> 
<p>E</p> <p>Entry Foundation</p>	<p>Xitanium Single Current</p> 			<p>Certa Single Current</p>  <p>I115 I108</p> <p>CertaDrive LPF</p>  <p>I115 I88</p> <p>CertaDrive Mini Family</p> 	<p>CertaDrive Single Current</p>  <p>L168 L280</p> <p>CertaDrive Panel Driver</p>  <p>L125</p>	<p>CertaDrive</p>  <p>Economic</p> 

LED Modules Portfolio

	Outdoor Modules	Linear Modules
P Performance Connected and programmable	Fortimo FastFlex Gen4+ 	Fortimo LED Strip 
	Fortimo FastFlex Gen5 	Fortimo LED Line 
	Fortimo FastFlex IP 	Fortimo LED Square  Fortimo LED Panel 
E Entry Foundation	CertaFlux FastFlex IP66 	CertaFlux LED Strip  CertaFlux LED Panel 

Spotlight Modules	Downlight Modules	LED Flex
Fortimo SLM CrispWhite Gen6  1211 1208 1205 1203 1202	Fortimo DLM EaseSelect Gen2 	Fortimo LEDFlex Gen1 
Fortimo SLM Food Gen7  12011 1208 1205	Fortimo DLM Flex Gen2 	
Fortimo SLM HD Gen7+  1204 1202		
Fortimo SLM Premium Color Gen7/ Fortimo SLM Premium White Gen7/ Fortimo SLM Gen7  1216 1211 1208 1205 1204 1203 1202		
CertaFlux SLM Gen2  1208 1205 1204 1203 1202 1201	CertaFlux DLM Slim  4 inch 6 inch 8 inch	CertaFlux LEDFlex Gen1 

saving energy and costs

Connectivity & Functionality

Feel the potential of connected lighting

Let's connect

“Get connected today”



Connected lighting solutions are steadily emerging to be the value pillar within the lighting industry. In order to further boost the smart lighting era within the professional setup, we have launched wireless lighting components that work with the Philips field app MC. This wireless lighting system works in a stand-alone mode (without a gateway) to enable completely automated lighting for users. It is designed to be simple and quick to setup and has been successfully validated by a wide installer base.

Our connected solution offers widespread scalability starting from room-based simple dimming to luminaire-based granular dimming; all the way to advanced use cases such as scheduling or cloud-based benefits via the gateway. A connected network composed of Xitanium wireless drivers, EasyAir SNS210 or EasyAir SNS410 enable applications in schools, healthcare facilities, offices, shops, assembly areas or warehouses. Now you can easily enable any use case by setting up these lighting components via the Philips field app MC.

The uniqueness of our connected proposition is that all its products operate over open standards, resulting in a choice of component supplier(s) to all OEMs. This is a great benefit as it helps drive the industry towards lower costs, while ensuring sustainability for the end user. This means that without changing any components, newer components (built on the same open protocols) can be added to the lighting plan at a later moment in time.

Our connected solution delivers on the promise of being simple, scalable and standardized. Go stand-alone, get connected now!

Benefits of our connected solution

For the OEM/installer:

- simple and quick setup of lights
- single app for different applications: office, retail and industry
- access sharing and transfer of project data
- choice of in-field configuration to suit lighting requirements of any space
- cost-effective components.

For the end-user:

- adapt lighting setup at any time
- comfortable automated lighting experience
- energy reporting on phone
- variety of switches to suit local needs and project look and feel
- secure system
- future-proof and peace of mind: stand-alone system can be upgraded to gateway.

Connectivity

The 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 last generation EasyAir SNS200/SNS300/SNH200 sensors feature presence and daylight sensing together with advanced grouping. They are intended to be used across all office and industry applications, such as open-plan offices, meeting rooms, warehouses and assembly areas.

The next generation wireless sensors that work with BLE (Bluetooth Low Energy) technology and can be setup using Philips field app MC, are available on both iOS and Android platforms. The office sensor EasyAir SNS210 MC not only brings energy savings, but also enables human-centric lighting with color tuning and color scene recall. A gateway from one of the trusted partners can be added via the app to support the circadian rhythm.

The EasyAir sensors enable simple and valuable smart lighting use cases in a cost-effective way.

Simplify your lighting, add more comfort, be future-proof. Get connected now!

Sensors



Product specification

	Product name	Housing (volume inside luminaire) mm	Key features	Req. luminaire hole mm	Occupancy technology	Detection area m	Full light dim level %	Operating Ambient temperature °C	Product code 12NC
new	EasyAir SNS210/w MC	50x19x31.5 (50x19x24)	Advanced grouping, energy reporting, Over the Air upgrade, Human centric lighting	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement); At 2.4m - 2.9x2.7 (minor movement)	1-100%	0-55	929001496406
new	EasyAir SNS210/b MC	50x19x31.5 (50x19x24)	Advanced grouping, energy reporting, Over the Air upgrade, Human centric lighting	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement); At 2.4m - 2.9x2.7 (minor movement)	1-100%	0-55	929002137206
new	EasyAir SNS410 MC	50x19x31.5	No sensing, radio only node, advanced grouping, over the air upgrade, human centric lighting	44x17	n.a	n.a	1-100%	0-65	929002137006
new	EasyAir Occupancy Daylight ZGP sensor MC	Mounted externally	External, battery powered, Zigbee Green Power sensor, works with MC wireless drivers or SNS410. Enables occupancy and daylight sensing	Not applicable	Passive IR	At 2.5m - 7.2mx5.4m (major movement); 5.4mx3.6m (minor movement)	1-100%	-5...45	929002146106
new	EasyAir Occupancy ZGP sensor MC	Mounted externally	External, battery powered, Zigbee Green Power sensor, works with MC wireless drivers or SNS410. Enables occupancy sensing only	Not applicable	Passive IR	At 2.5m - 7.2mx5.4m (major movement); 5.4mx3.6m (minor movement)	1-100%	-5...45	929002146006
	EasyAir SNS200/w	50x19x31.5 (50x19x24)	Advanced grouping Color: white	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	5-100%	0-55	929000766803
	EasyAir SNS200/g	50x19x31.5 (50x19x24)	Advanced grouping Color: grey	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	5-100%	0-55	929001560703
	EasyAir SNS200/b	50x19x31.5 (50x19x24)	Advanced grouping Color: black	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	5-100%	0-55	929001651206
	EasyAir SNS300/w	50x19x31.5 (50x19x24)	Advanced grouping Color: white Zigbee 3.0 gateway	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	5-100%	0-55	929000795606

Product specification

Product name	Housing (volume inside luminaire)	Key features	Req. luminaire hole	Occupancy technology	Detection area	Full light dim level	Operating Ambient temperature	Product code 12NC
EasyAir SNH200	Diameter: 115 Height: 43	Advanced grouping and zoning	M20 threaded nipple for M20 knockout	Passive IR	At 16m - range diameter 16 At 12m - range diameter 13 At 8m - range diameter 9 At 4m - range diameter 4.5	5-100%	-30-65	929001625706
EasyAir SNS200CMP/w	Remote mounting in ceiling	Advanced grouping; remote mounting Color: white	Not applicable	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	5-100%	0-55	929000790206
EasyAir SNS300CMP/w	Remote mounting in ceiling	Advanced grouping; remote mounting Color: white	Not applicable	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	5-100%	0-55	929001702606

Accessories

Product specification

Product name	Description	Product code 12NC
new EasyAir 2B switch	Wireless switch based on energy harvesting; can be used with products that work with Philips field app MC or EasyAir SNS200 for switching or dimming	929002821906
new EasyAir 4B switch	Wireless switch based on energy harvesting; can be used with products that work with Philips field app MC or EasyAir SNS200 for switching, dimming or scene control	929002821806
IR Dongle v2.0	Infrared device to commission EasyAir SNS200 and EasyAir SNH200	929001678906
SMB-50/w	Surface mount bracket - white colour	929002813706
SMB-50/g	Surface mount bracket - grey colour	929002812806
SMB-50/b	Surface mount bracket - black colour	929002137306
CMP/w	Ceiling mount plate for EasyAir office sensors for remote mounting	929002137106
SR connector	Compact 4 pole receptacle, IP 66 (with cap or node), IK09, can be used upwards and downwards, according Zhaga Book 18 specifications	929001650806
SR cap light grey	For future-proof luminaire without node	929001651006
SR cap dark grey	For future-proof luminaire without node	929001650906



Apps

For quick and easy configuration and commissioning of controls during and after installation, Android-based apps are available on the Google Play store free of charge. For EasyAir indoor sensors such as SNS200 or SNH200, Philips field apps is available on the Google Play Store; whereas for EasyAir SNS210, Philips field app MC* is available on the App Store and Play Store.



* The commission app is available for download under the name of Philips field app MC. From the beginning of 2021, this app will be renamed as Philips MasterConnect app for full inclusion in the new generation of Philips MasterConnect LED lamps that are Bluetooth enabled.



Philips field apps



Philips field app MC

Connectivity in indoor lighting



EasyAir SN210

Product specifications

Product type	Housing (volume inside luminaire)	Key features	Req. luminaire hole	Occupancy technology	Detection area	Viewing angle	Full light dim level	Operating Ambient temperature	Product code 12NC
	mm		mm		m		%	°C	
EasyAir SNS210/w	50x19x31.5 (50x19x24)	Advanced grouping, Energy reporting, Over the Air upgrade	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	X=62° Y=84°	5-100%	0-55	929001496406
EasyAir SNS210/g	50x19x31.5 (50x19x24)	Advanced grouping, Energy reporting, Over the Air upgrade	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	X=62° Y=84°	5-100%	0-55	929002138906
EasyAir SNS210/b	50x19x31.5 (50x19x24)	Advanced grouping, Energy reporting, Over the Air upgrade	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	X=62° Y=84°	5-100%	0-55	929002137206
EasyAir SNS300/w	50x19x31.5 (50x19x24)	Advanced grouping Color: white Zigbee 3.0 gateway	44x17	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	X=62° Y=84°	5-100%	0-55	929000795606
EasyAir SNS300CMP/w	Remote mounting in ceiling	Advanced grouping; remote mounting Color: white	Not applicable	Passive IR	At 3m - 3.6x3.4 (minor movement) At 2.4m - 2.9x2.7 (minor movement)	X=62° Y=84°	5-100%	0-55	929001702606



Titanium SR Driver

Product specifications

Product type	Housing type	Output Current	Output Voltage	Dimming	DALI power supply max. supply current	Energy metering accuracy	Product code 12NC
	mm	mA	V	%	mA	%	
Xtanium 36W 0.3-1A 54V SR 230V	360x30x21	300-1000	27-54	100-1	52	4	929001516306
Xtanium 75W 0.7-2A 54V SR 230V	360x30x21	700-2000	27-54	100-1	52	4	929001505006
Xtanium 35W 0.08-0.35A 150V SR 230V	360x30x21	80-350	50-150	100-1	52	4	929001540406
Xtanium 60W 0.08-0.35A 220V SR 230V	360x30x21	80-350	50-220	100-1	52	4	929001540506
Xtanium 60W 0.08-0.35A 300V SR 230V	360x30x21	80-350	100-300	100-1	52	4	929001540606
Xtanium 100W 0.25-0.7A 220V SR 230V	360x30x21	250-700	50-220	100-1	52	4	929001540706
Xtanium 100W 0.15-0.5A 300V SR 230V iXT	425x30x21	150-500	100-300	100-1	52	4	929001540806
Xtanium 150W 0.2-0.7A 300V SR 230V iXT	425x30x21	200-700	100-300	100-1	52	4	929001540906
Xtanium 36W 0.08-0.4A 220V SR FlexTune 230V	360x30x21	0.08-0.4	50-220	100-1	60	4	929001693706
Xtanium 75W 0.15-0.7A 220V SR FlexTune 230V	360x30x21	0.15-0.7	50-220	100-1	60	4	929001693806

Connectivity in outdoor lighting



Product specifications

Product type	Housing	Output current range	Output voltage range	Dimming range	Efficiency @ 100% load	Lifetime @ Tc life	Diagnosis via SR interface	DALI power supply via SR interface max power 0.5W	24V power supply 3W average power / 10W peak	Energy metering accuracy	Product code
		mA	V	%	%	hrs				%	
Xtitanium SR Outdoor 12W 0.2-0.7A C133 sXt	C133	200-700	8-32	100-10	83	100.000	✓	✓	✓	1	929001613506
Xtitanium SR Outdoor 22W 0.2-0.7A C133 sXt	C133	200-700	16-48	100-10	85	100.000	✓	✓	✓	1	929001598306
Xtitanium SR Outdoor 22W 0.3-1.0A C133 sXt	C133	300-1050	8-32	100-10	85	100.000	✓	✓	✓	1	929001573706
Xtitanium SR Outdoor 40W 0.2-0.7A C133 sXt	C133	200-700	25-77	100-10	86	100.000	✓	✓	✓	1	929001573506
Xtitanium SR Outdoor 40W 0.3-1.0A C133 sXt	C133	300-1050	20-54	100-10	86	100.000	✓	✓	✓	1	929001573606
Xtitanium SR Outdoor 75W 0.2-0.7A S240 sXt	S240	200-700	50-150	100-10	88	100.000	✓	✓	✓	1	929001507706
Xtitanium SR Outdoor 75W 0.3-1.0A S240 sXt	S240	300-1050	20-100	100-10	88	100.000	✓	✓	✓	1	929001507806
Xtitanium SR Outdoor 150W 0.2-0.7A S240 sXt	S240	200-700	90-283	100-10	90	100.000	✓	✓	✓	1	929001507506
Xtitanium SR Outdoor 150W 0.3-1.0A S240 sXt	S240	300-1050	70-214	100-10	90	100.000	✓	✓	✓	1	929001507606
Xi SR 150W 0.27-0.7A SMP TWE I250 Independent	I250	270-700	78-236	100-10	91	100.000	✓	✓	✓	1	929001430580
Xi SR 75W 0.27-0.7A SMP TWE I200 Independent	I200	270-700	43-118	100-10	90	100.000	✓	✓	✓	1	929001430680
Xi SR 150W 0.27-0.7A SMP TWE I250 Independent (connector version)	I250	270-700	78-236	100-10	91	100.000	✓	✓	✓	1	929001497780
Xi SR 75W 0.2-0.7A SNEMP 230V C150 sXt	C150	200-700	50-150	100-10	92	100.000	✓	✓	✓	1	929001623206
Xi SR 75W 0.3-1.0A SNEMP 230V C150 sXt	C150	300-1050	20-100	100-10	92	100.000	✓	✓	✓	1	929001623306
Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt	C150	200-700	70-220	100-10	93	100.000	✓	✓	✓	1	929001623406
Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt	C150	300-1050	50-160	100-10	93	100.000	✓	✓	✓	1	929001623506
Xi SR 165W 0.2-0.7A SNEMP 230V C170 sXt	C170	200-700	100-300	100-10	93	100.000	✓	✓	✓	1	929001663106
Xi SR 165W 0.3-1.0A SNEMP 230V C170 sXt	C170	300-1050	80-235	100-10	93	100.000	✓	✓	✓	1	929001663206

* Standard features: Input voltage range 170-264V, Surge protection DM/CM 6/8kV, SimpleSet, DynaDimmer, Module Temperature Protection.

EasyAir industry sensor SNH200

Market trends and needs in Industry segment

The rapid growth of online retail and shopping has boosted logistics and warehousing facilities. This has given rise to an increased need for asset management and energy savings. A typical warehouse has a huge potential for energy savings as lighting contributes to the highest energy cost, especially in non-refrigerated warehouses. Large parts of such warehouses only need 'light-on-demand'. Availability of energy usage reports or to be able to manage/maintain multiple sites remotely are key user benefits in industry segment. Furthermore, the production downtime in manufacturing facilities can be costly and a clear need for improved ways of managing maintenance is foreseen.

Opportunity for EasyAir industry sensor

The EasyAir industry sensor SNH200 based on Sensor Ready (SR) platform is a perfect wireless solution to address the market needs in the industry segment. Compared to the existing solutions which are complicated to commission, involve expensive cabling and work with limited temperature environments, EasyAir SNH200 promises to be a one stop easy solution for any industrial application.

Based on the technology of EasyAir SNS200, the industry sensor SNH200 is an easy to integrate, cost effective presence and daylight sensor to significantly help save energy costs. An easy to work with app allows a quick and easy configuration and commissioning process along with the energy readout. Additionally, the advanced grouping and zoning of luminaires leads to enhanced light behaviour on occupancy detection. The EasyAir SNH200 responds very well to the trend of higher ceiling warehouses and seamlessly integrates with the waterproof luminaires commonly used in an industrial setup. Moreover, working with SR based connected lighting system eases monitoring and diagnoses which eventually drives down maintenance costs.

Features

- Works with SR drivers to eliminate power packs and improve cost effectiveness
- Maximize energy savings by presence and daylight sensing
- Advanced lighting control via grouping and zoning of luminaires, using ZigBee mesh
- Quick and easy configuration - in factory using MultiOne/SimpleSet technology and in field via Infrared
- Easy to commission through a user friendly app, available for free on Google PlayStore as Philips Field Apps
- Energy readout via app or MultiOne
- Ideally suitable for highbay applications; also, suitable for trunking applications via SR Bridge
- High ceiling heights up to 16m,
- IP65 rating to match IP-rating of high bay luminaires; sensor mounted outside of luminaire

- Wide temperature range from -25°C to 65°C to suit various industrial applications
- Releases in Q1 2018

Applications

- Warehouses
- Production facilities
- Assembly areas
- Works with SR drivers to eliminate power packs and improve cost effectiveness

Product specifications

Product type	Product code
	12NC
EasyAir SNH200	929001625706



EasyAir Industry Sensor SNH200



Wireless Bridge Box

The wireless bridge box has different types of analog voltage output interface, which can be connected with the drive power supply with suitable interface. By adjusting the output voltage/signal of the interface and adjusting the power of the drive power, lighting dimming can be achieved. At the same time, this equipment has the switch control function, can cut the loop's ac power supply. Those devices can use Zigbee to communicate with gateway, dimmer panel, gateway APP and other intelligent terminal devices to realize local and remote control.

The wireless LCD control panel, wall touch panel and controller are the devices which use Zigbee to control the bridge box by wireless way. It's a super easy way to apply wireless control system in light world.

Features

- Zigbee protocol compliance, intelligent linkage with other Zigbee products
- Zigbee protocol compliance (ZHA)

Benefits

- Wireless access without control wires
- Achieve local control and remote control in one systems

Applications

- Office
- Classroom
- Hotel
- Home



L88



L89



L86



L140

Accessories

Product specifications		
Product type	Description	Product code
		12NC
IR Dongle v2.0	Infrared device to commission EasyAir SNS200 and EasyAir SNH200	929001678906
SMB-50/w	Surface mount bracket - white colour	929002813706
SMB-50/g	Surface mount bracket - grey colour	929002812806
SMB-50/b	Surface mount bracket - black colour	929002137306
CMP/w	Ceiling mount plate for EasyAir office sensors for remote mounting	929002137106



SMB-50/w

SMB-50/g

SMB-50/b

CMP/w

Product specifications

Product type	Color	Housing	Protocol	Features	Dimensions mm	Product Code
Wireless Phase-cut Bridge Box	Dark gray	I88	Zigbee	Phase cut dim	88x41x28	929001461162
Wireless 1-10V Bridge Box	Dark gray	I88	Zigbee	1-10V dim	88x41x28	929001461462
Wireless Tunable White Bridge Box	Dark gray	I88	Zigbee	Tunable White dim	88x41x28	929001469980
Wireless RGBW Bridge Box	Dark gray	I88	Zigbee	RGBW dim	88x41x28	929001470080
Wireless Wall Touch Panel	White	I88	Zigbee	Wall Switch control	86x86x9	929001460962
Wireless Controller	White	I140	Zigbee	Remote control	140x43x10	929001461062
Wireless LCD Control Panel	White	I89	Zigbee	LCD panel control	89x89x12	929001470180



Outdoor Drivers

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

Portfolio

Outdoor Drivers	Dimming		Basic Features and Performances		
	Dali Dim	1-10V	SimpleSet	Adjust Output Current	Housing/Installation
Statement	Yes	No	Yes	Yes	Built-in
Performance	No	Yes	Yes	Yes	IP67/Built-in
	No	No	No	Yes	IP65
Core	No	Yes	No	No	IP67/Built-in
Entry	No	No	No	No	IP67/Built-in



Xitanium LED drivers - SR

Our new Philips Xtreme SR drivers are ideal for use in outdoor applications. These robust drivers feature the SR interface and can be used in combination with the new EasyAir outdoor module, intelligent photocells, or the many smart city management systems developed by our SR certified partners. The integrated power supply, accurate energy metering and extended diagnostics reduces the component count and simplifies the design significantly. The integration also increases system reliability. Combined with the new universal SR connector, these drivers offer future-proof solutions for the phased investment capabilities of municipal authorities.



Product specification

Product name	Housing	Output current range	Output voltage range	Surge protection CM/DM	Dimming range	Efficiency @ 100% load	Lifetime @ Tc life	Diagnostics via SR interface	DALI power supply via SR interface max power 0.5W	24V power supply 3W average power	Energy metering accuracy	D4i	Product code
		mA	V	kV	%	%	hrs				%		12NC
Xi SR 22W 0.2-0.7A SNEMP 230V C133 sXt	C133	200-700	16-48	8/6	100-10	85	100,000	√	√	√	1	Yes	929002178806
Xi SR 22W 0.3-1.0A SNEMP 230V C133 sXt	C133	300-1050	8-32	8/6	100-10	85	100,000	√	√	√	1	Yes	929002178906
Xi SR 40W 0.2-0.7A SNEMP 230V C133 sXt	C133	200-700	25-77	8/6	100-10	86	100,000	√	√	√	1	Yes	929002179006
Xi SR 40W 0.3-1.0A SNEMP 230V C133 sXt	C133	300-1050	20-54	8/6	100-10	86	100,000	√	√	√	1	Yes	929002179106
Xi SR 75W 0.2-0.7A SNEMP 230V C150 sXt	C150	200-700	50-150	10/6	100-10	92	100,000	√	√	√	1	Yes	929002808406
Xi SR 75W 0.3-1.0A SNEMP 230V C150 sXt	C150	300-1050	35-108	10/6	100-10	92	100,000	√	√	√	1	Yes	929002808506
Xi SR 110W 0.2-0.7A SNEMP 230V C150 sXt	C150	200-700	70-220	10/6	100-10	93	100,000	√	√	√	1	Yes	929002808606
Xi SR 110W 0.3-1.0A SNEMP 230V C150 sXt	C150	300-1050	50-160	10/6	100-10	93	100,000	√	√	√	1	Yes	929002808706
Xi SR 75W 0.2-0.7A SNEMP 230V S240 sXt	S240	200-700	50-150	8/6	100-10	92	100,000	√	√	√	1	Yes	929002171906
Xi SR 75W_0.3-1.0A SNEMP 230V S240 sXt	S240	300-1050	20-100	8/6	100-10	91	100,000	√	√	√	1	Yes	929002172006
Xi SR 150W 0.2-0.7A SNEMP 230V S240 sXt	S240	200-700	90-283	8/6	100-10	90	100,000	√	√	√	1	Yes	929002172106
Xi SR 150W 0.3-1.0A SNEMP 230V S240 sXt	S240	300-1050	70-214	8/6	100-10	90	100,000	√	√	√	1	Yes	929002172206
Xi SR 165W 0.2-0.7A SNEMP 230V C170 sXt	C170	200-700	100-300	10/6	100-10	93	100,000	√	√	√	1	Yes	929001663106
Xi SR 165W 0.3-1.0A SNEMP 230V C170 sXt	C170	300-1050	80-235	10/6	100-10	93	100,000	√	√	√	1	Yes	929001663206
Xi SR 150W 0.27-0.7A SMP TWE I250 Independent	I250	270-700	78-236	-	100-10	91	100,000	√	√	√	1	Yes	929001430580

Standard features: Input voltage range 170-264V, SimpleSet, DynaDimmer, module temperature protection

Xitanium LED drivers - programmable

Our Xitanium programmable Xtreme LED drivers with global input voltage (UL, ENEC) are designed to deliver high performance, protection and configurability. The Xtreme technology ensures maximum robustness and protection with a very long lifetime. Configuration of programmable drivers can be done via DALI and the MultiOne software.



Product specifications

Product type	Housing	Output current range	Min Current	Output voltage range	Output power	Class	Surge protection DM/CM	Efficiency range, max load	Inrush current peak (230V)	Inrush current width to 50%	Power factor, 100% load	Tc life	DALI	1-10V	Dyna Dimmer	Module temp. protection	Product code
	type	mA	mA	V	W	I/II	kV	%	A	µs	°C						12NC
Xitanium 40W 0.7A Prog+ GL-J sXt	J-can	350-700	50	29-57	3-40	I/II	4/4	88	65	100	0.97	74	√	√	√	√	929000708803
Xitanium 75W 0.35-0.7A Prog+ GL-F sXt	F-can	350-700	50	80-152	6-75	I	3/3	90	108	140	0.97	70	√	√	√	√	929000702302
Xitanium 75W 0.1-1.05A Prog+ sXt	F-can	350-1050	100	36-75	6-75	I	4/4	90	100	160	0.97	70	√	√	√	√	929000708903
Xitanium 100W 0.70A Prog+ GL-Z sXt	Z-can	350-700	100	71-143	10-100	I/II	4/4	92	80	150	0.97	75	√	√	√	√	929000708703
Xitanium 150W 0.35-0.7A GL Prog sXt	F-can	350-700	50	125-280	15-150	I	3/3	91	108	140	0.97	70	√	√	√	√	929000702202
Xitanium 150W 0.1-1.05A GL Prog sXt	F-can	350-1050	100	70-148	15-150	I/II	4/4	92	110	150	0.97	70	√	√	√	√	929000709003
Xitanium 300W 0.35-1.5A Prog+ GL-R sXt	R-can	350-1500	100	80-280	21-300	I/II	4/4	93	170	220	0.98	64	√	√	√	√	929000712703

Input voltage range 120-277 Vac
Lifetime @ Tc life, 90% survivals 100,000 hrs



Xitanium LED drivers - full programmable

Our Xitanium full programmable Xtreme LED drivers are designed to deliver the highest performance, reliability and configuration possibilities. The portfolio offers both stand-alone and remote dimming protocols to further decrease energy use 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. Configuration of these drivers can be done via both the universal DALI or with SimpleSet, which is the latest technology for reliable, fast and easy altering and reading out of settings.



Product specification

Product name	Housing	Output current range	Min current	Output voltage range	Output power	Surge protection DM/CM	Efficiency @ 100% load	Inrush current peak	Inrush current width	Tc life	Simple Set	DALI 2	Line Switch	Dyna Dimmer	Module temp. protection	Driver temp. limit	Mains-Guard	OEM Write-Protection	Product code
	type	mA	mA	V	W	kV	%	A	µs	°C									12NC
Xi FP 22W 0.2-0.7A SNLDAE 230V S175 sXt	S175	200-700	53	16-48	1-22	10/6	86	15	295	75	√	√	√	√	√	√	√	√	929002172306
Xi FP 22W 0.3-1.0A SNLDAE 230V S175 sXt	S175	300-1050	70	8-32	1-22	10/6	86	15	295	75	√	√	√	√	√	√	√	√	929002172406
Xi FP 40W 0.2-0.7A SNLDAE 230V S175 sXt	S175	200-700	53	25-77	2-40	10/6	90	21	225	75	√	√	√	√	√	√	√	√	929002128306
Xi FP 40W 0.3-1.0A SNLDAE 230V S175 sXt	S175	300-1050	70	20-54	2-40	10/6	90	21	225	75	√	√	√	√	√	√	√	√	929002172506
Xi FP 75W 0.2-0.7A SNLDAE 230V S240 sXt	S240	200-700	53	50-150	3-75	10/6	92	46	250	75	√	√	√	√	√	√	√	√	929002128406
Xi FP 75W 0.3-1.0A SNLDAE 230V S240 sXt	S240	300-1050	70	20-100	4-75	10/6	92	46	245	75	√	√	√	√	√	√	√	√	929002128506
Xi FP 100W 0.3-1.0A SNLDAE 230V S165 sXt	C165	200-700	50	50-150	3-100	10/6	92	45	285	75	√	√	√	√	√	√	√	√	929001650006
Xi FP 150W 0.2-0.7A SNLDAE 230V S240 sXt	S240	200-700	53	90-283	11-150	10/6	93	53	300	75	√	√	√	√	√	√	√	√	929002128606
Xi FP 150W 0.3-1.0A SNLDAE 230V S240 sXt	S240	300-1050	70	70-214	11-150	10/6	93	53	300	75	√	√	√	√	√	√	√	√	929002128706
Xi FP 22W 0.2-0.7A SNLDAE 230V C123 sXt	C123	200-700	53	16-48	1-22	10/6	86	15	360	75	√	√	√	√	√	√	√	√	929002165006
Xi FP 22W 0.3-1.0A SNLDAE 230V C123 sXt	C123	300-1050	70	8-32	1-22	10/6	86	15	360	75	√	√	√	√	√	√	√	√	929002165106
Xi FP 40W 0.2-0.7A SNLDAE 230V C123 sXt	C123	200-700	53	25-77	4-40	10/6	90	21	300	75	√	√	√	√	√	√	√	√	929002165206
Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	C123	300-1050	70	20-54	4-40	10/6	90	21	300	75	√	√	√	√	√	√	√	√	929002165306
Xi FP 75W 0.2-0.7A SNLDAE 230V C133 sXt	C133	200-700	50	50-150	2.5-75	10/6	92	43	260	70	√	√	√	√	√	√	√	√	929002101406
Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	C133	300-1050	70	35-108	2.5-75	10/6	92	43	260	70	√	√	√	√	√	√	√	√	929002101506
Xi FP 75W 0.5-1.5A SNLDAE 230V C133 sXt	C133	500-1500	100	25-71	2.5-75	10/6	91	43	260	70	√	√	√	√	√	√	√	√	929002101606
Xi FP 110W 0.2-0.7A SNLDAE 230V C133 sXt	C133	200-700	50	70-220	4-110	10/6	93	47	250	75	√	√	√	√	√	√	√	√	929002101206
Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	C133	300-1050	70	50-160	4-110	10/6	92	47	250	75	√	√	√	√	√	√	√	√	929002101306
Xi FP 165W 0.2-0.7A SNLDAE 230V C170 sXt	C170	200-700	70	100-300	10-165	10/6	93	58	340	80	√	√	√	√	√	√	√	√	929000976206
Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	C170	300-1050	70	80-235	10-165	10/6	93	58	340	80	√	√	√	√	√	√	√	√	929000976306
Xi FP 330W 2.0-2.0-0.75A SNDAE 230V C240 sXt	C240	200-750 (x2)	50	100-300	5-165	10/6	93	19	300	75	√	√	√	√	√	√	√	√	929002114806

Input voltage range 220-240 Vac
Lifetime @ Tc life, 90% survivals 100,000 hrs



Xtanium LED drivers - lite programmable

Our Xtanium lite programmable Xtreme LED drivers are value engineered 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.



Product specification

Product name	Housing	Output current range	Output voltage range	Output power	Surge protection CM/DM	Dimming range	Efficiency at 100% load	Inrush current peak	Inrush current width to 50%	Power factor, 100% load	Tc life	Simple-Set	1-10V	DynaDimmer (5-step)	Driver temp. limit	Mains-Guard	Product code
	type	mA	V	W	kV	%	%	A	µs		°C	↔	↔	↔	↔	↔	12NC
Xi LP 40W 0.2-0.7A S1 230V S175 sXt	S175	200-700	23-77	2-40	10/6	100-10	89	16	240	0.98	70	✓	✓	✓	✓	✓	929000930706
Xi LP 40W 0.3-1.0A S1 230V S175 sXt	S175	300-1050	20-54	2-40	10/6	100-10	89	16	240	0.98	70	✓	✓	✓	✓	✓	929000940806
Xi LP 75W 0.2-0.7A S1 230V S240 sXt	S240	200-700	50-150	4-75	10/6	100-10	92	46	245	0.98	75	✓	✓	✓	✓	✓	929000963206
Xi LP 75W 0.3-1.0A S1 230V S240 sXt	S240	300-1050	35-108	4-75	10/6	100-10	92	46	245	0.98	75	✓	✓	✓	✓	✓	929000963306
Xi LP 150W 0.2-0.7A S1 230V S240 sXt	S240	200-700	90-283	7-150	10/6	100-10	93	53	300	0.98	75	✓	✓	✓	✓	✓	929000962806
Xi LP 150W 0.3-1.0A S1 230V S240 sXt	S240	300-1050	70-214	7-150	10/6	100-10	93	53	300	0.98	75	✓	✓	✓	✓	✓	929000962906
Xi LP 150W 0.5-1.5A S1 230V S240 sXt	S240	500-1500	50-142	7-150	10/6	100-10	92	53	300	0.99	80	✓	✓	✓	✓	✓	929001553806

Input voltage range 220-240 Vac
Lifetime @ Tc life, 90% survivals 100,000 hrs



Product specification

Product name	Housing	Output current range	Output voltage range	Output power	Surge protection CM/DM	Dimming range	Efficiency @ 100% load	Inrush current peak	Inrush current width to 50%	Power factor, 100% load	Tc life	Simple-Set	1-10V	DynaDimmer (5-step)	Driver temp. limit	Mains-Guard	Product code
	type	mA	V	W	kV	%	%	A	µs		°C	↔	↔	↔	↔	↔	12NC
Xi LP 22W 0.2-0.7A S1 230V C123 sXt	C123	200-700	16-48	1-22	10/6	100-10	87	15	320	0.99	75	✓	✓	✓	✓	✓	929002102906
Xi LP 22W 0.3-1.0A S1 230V C123 sXt	C123	300-1050	8-32	1-22	10/6	100-10	87	15	320	0.99	75	✓	✓	✓	✓	✓	929002103006
Xi LP 40W 0.2-0.7A S1 230V C123 sXt	C123	200-700	25-77	1.8-40	10/6	100-10	90	22	250	0.98	75	✓	✓	✓	✓	✓	929002103106
Xi LP 40W 0.3-1.0A S1 230V C123 sXt	C123	300-1050	20-54	1.5-40	10/6	100-10	90	22	250	0.98	75	✓	✓	✓	✓	✓	929002103206
Xi LP 75W 0.2-0.7A S1 230V C133 sXt	C133	200-700	50-150	3.5-75	10/6	100-10	91	43	270	0.98	75	✓	✓	✓	✓	✓	929001654706
Xi LP 75W 0.3-1.0A S1 230V C133 sXt	C133	300-1050	35-108	3.5-75	10/6	100-10	91	43	270	0.98	75	✓	✓	✓	✓	✓	929001654806
Xi LP 75W 0.5-1.5A S1 230V C133 sXt	C133	500-1500	25-75	3.5-75	10/6	100-10	90	43	270	0.98	75	✓	✓	✓	✓	✓	929001654906
Xi LP 110W 0.2-0.7A S1 230V C133 sXt	C133	200-700	70-220	5-110	10/6	100-10	91	45	270	0.98	75	✓	✓	✓	✓	✓	929001655006
Xi LP 110W 0.3-1.0A S1 230V C133 sXt	C133	300-1050	50-160	5-110	10/6	100-10	91	45	270	0.98	75	✓	✓	✓	✓	✓	929001655106
Xi LP 165W 0.2-0.7A S1 230V C170 sXt	C170	200-700	100-300	7-165	10/6	100-10	93	41	440	0.98	75	✓	✓	✓	✓	✓	929001535406
Xi LP 165W 0.3-1.0A S1 230V C170 sXt	C170	300-1000	80-235	7-165	10/6	100-10	93	41	440	0.98	75	✓	✓	✓	✓	✓	929001535506
Xi LP 165W 0.5-1.5A S1 230V C170 sXt	C170	500-1500	54-157	7-165	10/6	100-10	93	41	440	0.98	75	✓	✓	✓	✓	✓	929001571906

Input voltage range 220-240 Vac
Tc life 75°C
Lifetime @ Tc life, 90% survivals 100,000 hrs

Xitanium LED drivers - lite programmable IP-rated

Philips Xitanium Lite Programmable LED Drivers are value engineered to deliver a carefully selected feature set and high-end performance, making it a preferred choice for many outdoor applications. The portfolio offers high flexibility with a customizable operating window, enabling differentiation in LED lighting design via system tuning and being prepared for LED efficacy upgrades. The products can replace the existing programmable outdoor LED Drivers and will bring significant improvement in programming, assembly into a luminaire and electrical performance. One of the key features is SimpleSet, an easy and fast way to configure the drivers in a production environment, without the need to power the driver.



Product specifications

Product Type	SimpleSet	Housing Type	Housing	Max output power W	Output Current A	Output Voltage V	Dimensions mm	Surge Protection (DM/CM) kV	Dimming	Product code 12NC
Xi LP 40W 0.3-1.05A S1 230V I150	Yes	IP67	I150	40	0.3-1.05	21-57	150 X 68 X 45	6/10	1-10V/Dynadimmer	929002103380
Xi LP 40W 0.3-1.05A S1 TWE I175	Yes	IP67	I175	40	0.3-1.05	21-57	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002103480
Xi LP 65W 0.3-1.05A S1 230V I150	Yes	IP67	I150	65	0.3-1.05	31-93	150 X 68 X 45	6/10	1-10V/Dynadimmer	929001473980
Xi LP 65W 0.5-1.5A S1 230V I150	Yes	IP67	I150	65	0.5-1.5	21-62	150 X 68 X 45	6/10	1-10V/Dynadimmer	929001474180
Xi LP 65W 0.3-1.05A S1 230V I150C	Yes	IP67	I150	65	0.3-1.05	31-93	150 X 68 X 45	6/10	1-10V/Dynadimmer	929001480880
Xi LP 65W 0.5-1.5A S1 230V I150C	Yes	IP67	I150	65	0.5-1.5	21-62	150 X 68 X 45	6/10	1-10V/Dynadimmer	929001480980
Xi LP 65W 0.3-1.05A S1 TWE I175	Yes	IP67	I175	65	0.3-1.05	31-93	175 X 68 X 45	6/10	1-10V/Dynadimmer	929001474080
Xi LP 100W 0.3-1.05A S1 230V I155	Yes	IP67	I155	100	0.3-1.05	46-143	155 X 68 X 45	6/10	1-10V/Dynadimmer	929002822880
Xi LP 100W 0.3-1.05A S1 230V I155CF	Yes	IP67	I155	100	0.3-1.05	46-143	155 X 68 X 45	6/10	1-10V/Dynadimmer	929002826480
Xi LP 100W 0.5-1.5A S1 230V I155	Yes	IP67	I155	100	0.5-1.5	33-95	155 X 68 X 45	6/10	1-10V/Dynadimmer	929002823180
Xi LP 100W 0.5-1.5A S1 230V I155CF	Yes	IP67	I155	100	0.5-1.5	33-95	155 X 68 X 45	6/10	1-10V/Dynadimmer	929002826780
Xi LP 100W 0.3-1.05A S1 GL I175	Yes	IP67	I175	100	0.3-1.05	46-143	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002850680
Xi LP 100W 0.5-1.5A S1 GL I175	Yes	IP67	I175	100	0.5-1.5	33-95	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002850880
Xi LP 150W 0.3-1.05A S1 230V I175	Yes	IP67	I175	150	0.3-1.05	70-214	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002822980
Xi LP 150W 0.3-1.05A S1 230V I175CF	Yes	IP67	I175	150	0.3-1.05	70-214	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002826580
Xi LP 150W 0.5-1.5A S1 230V I175	Yes	IP67	I175	150	0.5-1.5	50-143	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002823280
Xi LP 150W 0.5-1.5A S1 230V I175CF	Yes	IP67	I175	150	0.5-1.5	50-143	175 X 68 X 45	6/10	1-10V/Dynadimmer	929002826880
Xi LP 150W 0.3-1.05A S1 GL I200	Yes	IP67	I200	150	0.3-1.05	70-214	200 X 68 X 45	6/10	1-10V/Dynadimmer	929002850780
Xi LP 150W 0.5-1.5A S1 GL I200	Yes	IP67	I200	150	0.5-1.5	50-143	200 X 68 X 45	6/10	1-10V/Dynadimmer	929002850980
Xi LP 200W 0.3-1.05A S1 230V I195	Yes	IP67	I195	200	0.3-1.05	142-286	195 X 68 X 45	6/10	1-10V/Dynadimmer	929002823080
Xi LP 200W 0.3-1.05A S1 230V I195CF	Yes	IP67	I195	200	0.3-1.05	142-286	195 X 68 X 45	6/10	1-10V/Dynadimmer	929002826680
Xi LP 200W 0.5-1.5A S1 230V I195	Yes	IP67	I195	200	0.5-1.5	100-200	195 X 68 X 45	6/10	1-10V/Dynadimmer	929002823380
Xi LP 200W 0.5-1.5A S1 230V I195CF	Yes	IP67	I195	200	0.5-1.5	100-200	195 X 68 X 45	6/10	1-10V/Dynadimmer	929002826980
Xi LP 220W 0.3-1.05A S1 230V I230	Yes	IP67	I230	220	0.3-1.05	104-314	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001424480
Xi LP 220W 0.3-1.05A S1 230V I230CF	Yes	IP67	I230	220	0.3-1.05	104-314	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001486980
Xi LP 220W 0.5-1.5A S1 230V I230	Yes	IP67	I230	220	0.5-1.5	73-210	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001424680
Xi LP 220W 0.5-1.5A S1 230V I230CF	Yes	IP67	I230	220	0.5-1.5	73-210	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001487080
Xi LP 220W 0.3-1.05A S1 TWE I230	Yes	IP67	I230	220	0.3-1.05	104-314	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001424880
Xi LP 220W 0.3-1.05A S1 TWE I230CF	Yes	IP67	I230	220	0.3-1.05	104-314	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001487180
Xi LP 220W 0.5-1.5A S1 TWE I230	Yes	IP67	I230	220	0.5-1.5	73-210	230 X 68 X 45	6/10	1-10V/Dynadimmer	929001425080

Xitanium LED drivers - basic programmable

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. In this product family Philips offers drivers in compact form factors with a basic feature set, which offer high value for both OEM customers and end-users. The key features AOC (adjustable output current) and OWP (over write protection) are programmable via SimpleSet, an easy and fast way to configure the driver without the need to power the driver. A great combination with MultiOne basic configuration software. The products can replace the existing single current outdoor LED drivers and will bring significant improvement in programming, assembly into a luminaire, electrical performance, and less variety in logistical codes.

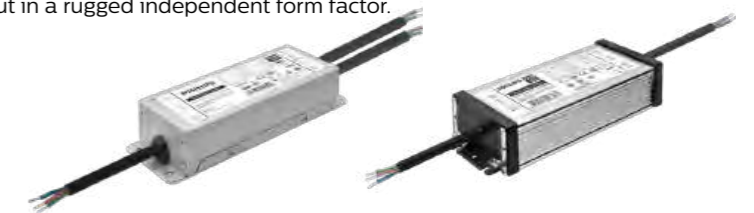


Product specification

Product name	Housing	Output current range	Output voltage range	Output power	Surge protection CM/DM	Efficiency @ 100% load	Inrush current peak	Inrush current width to 50%	Power factor, 100% load	SimpleSet	Product code
	type	mA	V	W	kV	%	A	μs			12NC
Xi BP 12W 0.1-0.5A S 230V C100	C100	100-500	13-39	2-12	6/4	81	5.5	20	0.95	✓	929001657106
Xi BP 22W 0.2-0.7A S 230V C123 sXt	C123	200-700	16-48	6-22	10/6	87	11.5	220	0.99	✓	929001499306
Xi BP 40W 0.2-0.7A S 230V C123 sXt	C123	200-700	25-77	5-40	10/6	90	19	210	0.98	✓	929001499406
Xi BP 40W 0.3-1.0A S 230V C123 sXt	C123	300-1050	20-54	6-40	10/6	90	19	210	0.98	✓	929001499506
Xi BP 75W 0.2-0.7A S 230V C133 sXt	C133	200-700	50-150	3.5-75	10/6	91	43	270	0.98	✓	929002817006
Xi BP 75W 0.3-1.0A S 230V C133 sXt	C133	300-1050	35-108	3.5-75	10/6	91	43	270	0.98	✓	929002817106
Xi BP 110W 0.2-0.7A S 230V C133 sXt	C133	200-700	70-220	5-110	10/6	91	45	270	0.98	✓	929002817206
Xi BP 110W 0.3-1.0A S 230V C133 sXt	C133	300-1050	50-160	5-110	10/6	91	45	270	0.98	✓	929002817306

Xitanium Low Voltage Adjustable Output Current

Philips Xitanium Low Voltage Adjustable Output Current Drivers are specifically designed for maximum flexibility (230V and Global input mains; as well as adjustable output) and reliability in low voltage outdoor applications. With superior surge protection, these durable, independently housed drivers deliver consistent, high performance to luminaires even after multiple indirect lightning strikes – an ideal solution for OEMs that need reliable, adjustable output in a rugged independent form factor.



Product specifications

Product type	SimpleSet	Housing Type	Housing	Max output power	Output Current	Output Voltage	Dimensions	Surge Protection (DM/CM)	Dimming	Product code
				W	A	V	mm	kV		12NC
Xitanium 65W 1.2-2.3A AOC 230V I150	No	IP65	I150	65	1.2-2.3	24-54	150 X 68 X 45	4/6	No	929002104380
Xitanium 100W 2.1-4.2A AOC 230V I160	No	IP65	I160	100	2.1-4.2	12-48	160 X 68 X 45	4/6	No	929002829380
Xitanium 100W 2.1-4.2A AOC 230V I160L	No	IP65	I160	100	2.1-4.2	12-48	160 X 68 X 45	4/6	No	929002846680
Xitanium 150W 2.45-4.9A AOC 230V I175	No	IP65	I175	100	2.45-4.9	15-61	180 x 63 x 38	4/6	No	929002829280
Xitanium 150W 2.45-4.9A AOC 230V I175L	No	IP65	I175	150	2.45-4.9	15-61	200 x 63 x 38	4/6	No	929002846580
Xitanium 200W 2.8-5.6A AOC 230V I200	No	IP65	I200	200	2.8-5.6	18-71	200 X 68 X 45	4/6	No	929002829480
Xitanium 200W 2.8-5.6A AOC 230V I200L	No	IP65	I200	200	2.8-5.6	18-71	200 X 68 X 45	4/6	No	929002846780
Xitanium 240W 3.6-6.7A AOC 230V I240	No	IP65	I240	240	3.6-6.7	24-67	240 X 68 X 45	4/6	No	929002104480
Xitanium 65W 0.9-2.2A AOC 1-10 GL I160	No	IP65	I160	65	0.9-2.2	23-50	160 x 63 x 38	6/10	Yes	929002832680
Xitanium 100W 1.5-3.5A AOC 1-10 GL I180	No	IP65	I180	100	1.5-3.5	23-50	180 x 63 x 38	6/10	Yes	929002172780
Xitanium 150W 2.2-5.1A AOC 1-10 GL I200	No	IP65	I200	150	2.2-5.1	23-50	200 x 63 x 38	6/10	Yes	929002199280
Xitanium 200W 3.3-5.6A AOC 1-10 GL I220	No	IP65	I220	200	3.3-5.6	33-50	220 x 63 x 38	6/10	Yes	929002200280

Xitanium Dimmable Single Current

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 new 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.



Product specifications

Product Type	SimpleSet	Housing Type	Housing	Max output power		Output Voltage	Dimensions	Surge Protection (DM/CM)	Dimming	Product code
				W	A					
Xitanium Dim 65W 0.7A 1-10V 230V Y	No	Built-in	Y-can	65	0.7	46-93	168 x 60 x 38	4/4	1-10V	929001426680
Xitanium Dim 65W 1.05A 1-10V 230V Y	No	Built-in	Y-can	65	1.05	30-62	168 x 60 x 38	4/4	1-10V	929001426780
Xitanium Dim 65W 0.7A 1-10V 230V I175	No	IP67	I175	65	0.7	46-93	175 x 68 x 45	4/4	1-10V	929001426280
Xitanium Dim 65W 1.05A 1-10V 230V I175	No	IP67	I175	65	1.05	30-62	175 x 68 x 45	4/4	1-10V	929001426380
Xitanium Dim 100W 0.7A 1-10V 230V Y	No	Built-in	Y-can	100	0.7	64-143	168 x 60 x 38	4/4	1-10V	929001402280
Xitanium Dim 100W 1.05A 1-10V 230V Y	No	Built-in	Y-can	100	1.05	42-95	168 x 60 x 38	4/4	1-10V	929001402380
Xitanium Dim 100W 0.7A 1-10V 230V I175	No	IP67	I175	100	0.7	64-143	175 x 68 x 45	4/4	1-10V	929001401880
Xitanium Dim 100W 1.05A 1-10V 230V I175	No	IP67	I175	100	1.05	42-95	175 x 68 x 45	4/4	1-10V	929001402080
Xitanium Dim 150W 0.7A 1-10V 230V Y	No	Built-in	Y-can	150	0.7	96-214	168 x 60 x 38	4/4	1-10V	929001401680
Xitanium Dim 150W 1.05A 1-10V 230V Y	No	Built-in	Y-can	150	1.05	62-142	168 x 60 x 38	4/4	1-10V	929001401780
Xitanium Dim 150W 0.7A 1-10V 230V I175	No	IP67	I175	150	0.7	96-214	175 x 68 x 45	4/4	1-10V	929001401280
Xitanium Dim 150W 1.05A 1-10V 230V I175	No	IP67	I175	150	1.05	62-142	175 x 68 x 45	4/4	1-10V	929001401480
Xitanium Dim 250W 0.7A 1-10V 230V Q	No	Built-in	Q-can	250	0.7	178-357	241 x 90 x 42	6/6	1-10V	929000838508
Xitanium Dim 250W 1.05A 1-10V 230V Q	No	Built-in	Q-can	250	1.05	118-238	241 x 90 x 42	6/6	1-10V	929001404280
Xitanium Dim 250W 0.7A 1-10V 230V I220	No	IP67	I220	250	0.7	178-357	220 x 94 x 49	6/6	1-10V	929001404706
Xitanium Dim 250W 1.05A 1-10V 230V I220	No	IP67	I220	250	1.05	118-238	220 x 94 x 49	6/6	1-10V	929001405080
Xitanium Dim 150W 0.7A 1-10V TWE I220	No	IP67	I220	150	0.7	90-214	220 x 68 x 45	4/4	1-10V	929001425880
Xitanium Dim 150W 1.05A 1-10V TWE I220	No	IP67	I220	150	1.05	60-143	220 x 68 x 45	4/4	1-10V	929001467780
Xitanium Dim 100W 0.7A 1-10V TWE I220	No	IP67	I220	100	0.7	71-143	220 x 68 x 45	4/4	1-10V	929001402880
Xitanium Dim 100W 1.05A 1-10V TWE I220	No	IP67	I220	100	1.05	41-95	220 x 68 x 45	4/4	1-10V	929001467880
Xitanium Dim 75W 0.7A 1-10V TWE I175	No	IP67	I175	75	0.7	40-117	175 x 68 x 45	4/4	1-10V	929001402780
Xitanium Dim 75W 1.05A 1-10V TWE I175	No	IP67	I175	75	1.05	30-72	175 x 68 x 45	4/4	1-10V	929001467980
Xitanium Dim 35W 0.7A 1-10V TWE I175	No	IP67	I175	35	0.7	18-50	175 x 68 x 45	4/4	1-10V	929001425780
Xitanium 150W 0.70A 1-10V 230V S240 sXt	No	Built-in	S240	150	0.7	100-214	241x 59 x 38	8/6	1-10V	929001405506
Xitanium 150W 1.05A 1-10V 230V S240 sXt	No	Built-in	S240	150	0.7	100-214	241x 59 x 38	8/6	1-10V	929001405606

Xitanium Single Current

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 new 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.



Product specifications

Product Type	SimpleSet	Housing Type	Housing	Max output power		Output Voltage	Dimensions	Surge Protection (DM/CM)	Dimming	Product code
				W	A					
Xitanium 65W 0.7A 230V S157	No	Built-in	S157	65	0.7	65-93	157 x 59 x 39	4/4	NO	929001406280
Xitanium 65W 1.05A 230V S157	No	Built-in	S158	65	1.05	42-62	157 x 59 x 39	4/4	NO	929001406380
Xitanium 65W 0.7A 230V I160	No	IP67	I160	65	0.7	65-93	160 x 63 x 41	4/4	NO	929001405980
Xitanium 65W 1.05A 230V I160	No	IP67	I160	65	1.05	42-62	160 x 63 x 41	4/4	NO	929001406080
Xitanium 100W 0.7A 230V Y	No	Built-in	Y-can	100	0.7	64-143	168 x 60 x 38	4/4	NO	929001401080
Xitanium 100W 1.05A 230V Y	No	Built-in	Y-can	100	1.05	42-95	168 x 60 x 38	4/4	NO	929001401180
Xitanium 100W 0.7A 230V I175	No	IP67	I175	100	0.7	64-143	175 x 68 x 45	4/4	NO	929001400680
Xitanium 100W 1.05A 230V I175	No	IP67	I175	100	1.05	42-95	175 x 68 x 45	4/4	NO	929001400880
Xitanium 150W 0.7A 230V Y	No	Built-in	Y-can	150	0.7	96-214	168 x 60 x 38	4/4	NO	929001400480
Xitanium 150W 1.05A 230V Y	No	Built-in	Y-can	150	1.05	62-142	168 x 60 x 38	4/4	NO	929001400580
Xitanium 150W 0.7A 230V I175	No	IP67	I175	150	0.7	90-214	175 x 68 x 45	4/4	NO	929001400080
Xitanium 150W 1.05A 230V I175	No	IP67	I175	150	1.05	60-143	175 x 68 x 45	4/4	NO	929001400280
Xitanium 100W 0.7A TWE I220	No	IP68	I220	100	0.7	71-143	220 x 68 x 45	4/4	NO	929001402680
Xitanium 100W 1.05A TWE I220	No	IP69	I220	100	1.05	41-95	220 x 68 x 45	4/4	NO	929001468180
Xitanium 75W 0.7A TWE I175	No	IP70	I175	75	0.7	40-117	175 x 68 x 45	4/4	NO	929001402580
Xitanium 75W 1.05A TWE I175	No	IP71	I175	75	1.05	30-72	175 x 68 x 45	4/4	NO	929001468280
Xitanium 40W 0.7A TWE I160	No	IP72	I160	40	0.7	35-57	160 x 63 x 41	4/4	NO	929001408780
Xitanium 40W 1.05A TWE I160	No	IP73	I160	40	1.05	23-38	160 x 63 x 41	4/4	NO	929001468380
Xitanium 25W 0.7A TWE I160	No	IP74	I160	25	0.7	20-36	160 x 63 x 41	4/4	NO	929001408880

Surge protection devices

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).



Product specification

Commercial name	Type	Rated input voltage range	Power grids	Discharge voltage	Discharge current (L-N)	Discharge current (L/N-GND)	Tc life	T amb	Product code
Xtreme surge protector I	Parallel	220-240	TN, TT, IT	10	5	5	80	-40..+85	929000886906
Surge protector class-I	Parallel	230	TN, TT	10	5	5	80	-40..+85	929001607006
Surge protector class-II	Parallel	230	TN, TT	10	5	5	80	-40..+85	929001607106
Surge protector class-I serial	Serial	230	TN	10	5	5	80	-40..+70	929002102780
Surge protector class-II serial	Serial	230	TN, TT, IT	10	5	5	80	-40..+70	929002102880
SPD IP 20kV/10kA 230V Class I Serial	Serial IP67	230	TN, TNC, TNS, TNCS	20	10	10	85	-40..+85	929002164706

Lifetime @ Tc life, 90% survivals 100,000 hrs

best-in-class
efficiency
and reliability
with maximum
optical
flexibility

Outdoor Modules

Lighting up
harsh conditions



Why there's no substitute for quality in outdoor LEDs

LEDs have a great deal to live up to. Not only are they a shining example of high efficacy, durability and low maintenance, these benefits also translate into energy and maintenance savings that reduce the total cost of ownership of an installation. They are also far more versatile than traditional light sources in terms of form factor, CCT, CRI and optical control. So it's no wonder LEDs have transformed the way OEMs think about outdoor lighting.

But while the right LEDs can be extremely reliable over a long lifetime, can electronic LED drivers deliver the continuous high performance and reliability needed to support long system lifetime (25+ years) in challenging outdoor applications?

With Philips quality at the heart of your solution, the answer is yes. We understand that OEMs, customers and lighting professionals need to feel confidence that they have access to the highest quality products. Only a reliability program that spans the full cycle of lighting components, from product design and testing to installation and maintenance, can offer this reassurance.

Our six pillars of quality

The Philips six pillars of quality cover every aspect of designing LED solutions for outdoor customers. Quality you can count on for lighting, assurance, innovation, people, support and leadership.

Our LED components are rigorously tested so you can build quality lighting specifically designed for demanding outdoor conditions. You can also rely on robust performance in the most extreme weather conditions. So you can live up to the promise of long-lasting LED lighting for every installation.

LEDs and lifetime

Assessing LED module lifetime and failure rates is not as simple as it appears. OEMs that take the 'DIY approach' to manufacturing their own LED light sources cannot provide credible reliability data at the module level by simply using the LED data. This includes LM80 data or calculations using the TM21 method, which cannot provide accurate reliability data on lumen depreciation or catastrophic failures.

A further consideration is the location of your lighting installation, which will always determine the eventual lifetime of any LED. For example, luminaires in the tropics operating in night temperatures of more than 30°C will endure more than those in milder climates with average night temperatures of 15°C. Switching can also influence LED lifetime due to the effect of thermal shock on soldering, as can mechanical stress cause by stormy weather or heavy traffic.

Robust and reliable

Developing reliable products that deliver the longest lifetime, while also delivering on cost, size and time to market, is a challenge for every OEM. Our LED modules and drivers are designed to meet strict electrical, thermal and optical benchmarks for reliability, with high surge protection as standard for extremely low failure rates.

The importance of surge protection

Surges are nothing more than a sudden, brief rise in voltage and/or current in an electrical system. They be caused by direct or indirect lighting strikes, high load switching, and static charging and discharging. Spikes of several kilovolts can last just a few microseconds, but have a devastating impact on outdoor lighting systems. Not only do they wear out LED drivers and distribution panels prematurely, they also cause material damage to luminaires and break surge protection devices (SPD). But more importantly, voltage surges can also leave the public without lighting. And that can have critical safety consequences in applications such as traffic tunnels, road signs, or pedestrian crossings.

Build a reputation for quality

At Signify we have taken our vast experience in quality testing conventional lighting and applied the learning to LED. This has enabled us to maximize the longevity of our LED modules and drivers and offer far more accurate lifespan probabilities.

For example, extensive qualification testing is performed at the design stage for Philips Xitanium LED drivers to catch any issues during product development, and ensure they comply with all relevant industry standards. This includes operating the drivers under all possible conditions, including extreme temperatures and humidity.

Driving lifetime expectations

Philips Xitanium LED drivers are developed through our tightly controlled design and development process that evaluates quality at every milestone. Based on our knowledge



of LED drivers and components, we take into account those components that are most likely to fail, especially when the driver is operating at high temperatures.

In addition, the construction of the LED fixture and the ability to lower the temperature of the driver and modules has a significant effect on lifetime. One critical aspect is the thermal stress arising from the mutual heating of components. For example, a driver typically generates 20 to 25°C of heat, but when mounted very close to the LED board this can lead to further temperature increases.

Philips drivers can be connected to an NTC temperature sensor that can be programmed to dim the module down at over-temperature to protect the module without switching off the lights. A built-in MainsGuard feature also ensure the luminaire remains on – even at low input voltage, limiting the input current to max 130% to prevent tripping.

Built-in reliability

To minimize the risks associated with LED module failure, we have developed an LED module reliability program that assesses performance at the module level according to quality control, testing, validation and compliance with international standards. Methods such as FMEA and our Six Sigma modelling system also facilitate more accurate predictions of LED module longevity.

To ensure high driver reliability in the most demanding applications, we perform Advanced Life Testing life testing, including HALT/MEOST. Data from new product testing is compared with the field data of existing products. This ensures every new product provides the same reliability as products that have been previously released – and guarantees the lowest product and component failure levels in the industry.

Each and every component is subjected to extensive design qualification, testing and long-term reliability checks known as 'building block release'. These include component tests on

color shift, solder joint reliability, batch variation, wire bond performance and electrical overstress. We only ever use the best components, ensuring highly reliable solutions that consistently achieve industry-leading lifetimes.

System efficiency also has a significant impact on the reliability and lifetime of a LED driver. As power loss is dissipated as heat within the driver, it increases the operating temperature of driver components, reducing their reliability. Our LED drivers operate with higher efficacy to minimize power dissipation. This significantly improves their lifetime and reliability compared to inferior, lower-efficiency alternatives.

Superior surge protection

When it comes to surge protection, IEC761547 requires all luminaires to be protected from overvoltages of up to 1 kV in differential mode (DM) and 2 kV in common mode (CM). Signify goes beyond this, exceeding expected norms by designing in higher protection levels that withstand the most demanding outdoor environments.

Philips Xitanium LED Xtreme drivers provide 8 kV to 10 kV CM protection, and 6 kV DM protection at the driver level. When integrated into outdoor luminaires with a minimum protection of 6 kV CM and 6 kV DM at the luminaire level, this ensures protection for most European street lighting applications up to Class 4.

Additional protective measures can also be applied to luminaire installations in areas with a high lightning strike density, or in critical application such as airports and major roads. This can be done by adding an external surge protector device (SPD), which provides even higher protection for the driver and other devices in the luminaire to support the longevity of our LED solutions.

Clearly better quality

In summary, the lifetime, reliability and surge protection, Philips outdoor LED modules and drivers are maximized during their design and manufacture. Testing and qualification then ensure that the actual quality and behavior in the field is comparable with modelling used to gauge driver failure rates. Our LED module reliability program also eliminates the risk of early failure with accurate lifetime data that offer OEMs new levels of trust. Add to this, a continuous cycle of feedback and improvements, and you can be sure that Philips LED modules and drivers perform far better than their theoretical estimates. For OEMs the advantages are clear. By choosing Signify quality over inferior alternatives, they can guarantee their LED modules and drivers will support the extreme reliability of LEDs over their entire lifetime. OEMs can also rely on Signify's global expertise from design to installation and beyond, with all the quality people and support tools that you'd expect from the number one name in LED. So when it comes to outdoor LED modules and drivers, there really is no substitute for quality.

Further reading

To find out more, please download the following:

Reliability and lifetime of outdoor LED systems

Can electronic LED drivers provide the required current/voltage input to LEDs over their entire lifetime? This paper addresses this question in general, and looks at the Xitanium LED driver family in particular.



The challenges of surge protection

Voltage surges can prematurely wear out LED drivers and disrupt street lighting. This white paper examines the causes and effects of voltage surges, as well as ways of maximizing protection and continuity of service.



Are you reliably informed about LED modules?

This white paper describes the Philips Lighting LED module reliability program, which has been developed to ensure its LED modules deliver the right light – and the right level of trust – while gathering accurate data.



Click or Scan the QR code

Fortimo FastFlex Gen4+

The 4+ generation of the Fortimo FastFlex portfolio has been developed to be backwards compatible with generation 4 and offer a suitable competitive solution for every project requirement.

Standard

Think of the standard Fortimo FastFlex solutions as a 'one-stop shop', where we provide boards and lenses. This enables a short fixture development cycle, while enabling basic optical flexibility through eight standard light distributions.

Product specifications

Product type	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions	Product code
	lm	lm/W @ Tc Nom	K	min. CRI	mm	12NC
Fortimo FastFlex LED 2x8/730 G4+	3683	157	3000	70	218 x 49.5 x 5.95	929002116206
Fortimo FastFlex LED 2x8/740 G4+	3885	165	4000	70	218 x 49.5 x 5.95	929002116306
Fortimo FastFlex LED 2x8/757 G4+	3683	157	5700	70	218 x 49.5 x 5.95	929002116406
Fortimo FastFlex LED 2x8/830 G4+	3319	140	3000	80	218 x 49.5 x 5.95	929002116506
Fortimo FastFlex LED 2x8/840 G4+	3520	149	4000	80	218 x 49.5 x 5.95	929002116606
Fortimo FastFlex LED 2x4/730 G4+	1841	157	3000	70	118.5 x 49.5 x 5.95	929002118906
Fortimo FastFlex LED 2x4/740 G4+	1943	165	4000	70	118.5 x 49.5 x 5.95	929002119006

Light output is specified at board level (lens optical losses not included).
When using standard Fortimo FastFlex lenses, optical losses of 4% need to be taken into account.
* Max. color consistency specified at beginning of life time.

Product specifications

Product type	Product code
	12NC
FastFlex lens 2x8/II-X G2	929000873806
FastFlex lens 2x8/III-X G2	929000873906
FastFlex lens 2x8/IV-X G2	929000874006
FastFlex lens 2x8/V G2	929000874106
FastFlex lens 2x8/HB65 G2	929000896306
FastFlex lens 2x8/II-X WTR G2	929000906206
FastFlex lens 2x4/SW-X G2	929000897406
FastFlex lens 2x4/V_C G2	929000897506
FastFlex module clip*	929000948106



* 3 FastFlex module clips are required for a standard Fortimo FastFlex Gen4+ module 2 x 8, and 2 clips for a module 2 x 4. Fortimo FastFlex Gen4+ DA, DP and DHE do not require a dedicated clip.

If you are looking for a unique photometrical performance, the FastFlex differentiation array (DA), merging the previous generation 4 DA and DAX versions into generation 4+ DA, enables the use of third-party lenses for an unlimited range of optical configurations.

Product specifications

Product type	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions	Product code
	lm	lm/W @ Tc Nom	K	min. CRI	mm	12NC
Fortimo FastFlex LED 2x2/730 DA G4+	921	157	3000	70	70.6 x 49.5 x 5.85	929002116706
Fortimo FastFlex LED 2x2/740 DA G4+	971	165	4000	70	70.6 x 49.5 x 5.85	929002116806
Fortimo FastFlex LED 2x2/840 DA G4+	880	149	4000	80	70.6 x 49.5 x 5.85	929002116906
Fortimo FastFlex LED 2x4/730 DA G4+	1841	157	3000	70	121.4 x 49.5 x 5.85	929002117006
Fortimo FastFlex LED 2x4/740 DA G4+	1943	165	4000	70	121.4 x 49.5 x 5.85	929002117106
Fortimo FastFlex LED 2x4/840 DA G4+	1760	149	4000	80	121.4 x 49.5 x 5.85	929002117206
Fortimo FastFlex LED 2x6/730 DA G4+	2762	157	3000	70	172.2 x 49.5 x 5.85	929002117306

Light output is specified at board level (lens optical losses not included).
* Max. color consistency specified at beginning of life time.

Product specifications

Product type	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions	Product code
	lm	lm/W @ Tc Nom	K	min. CRI	mm	12NC
Fortimo FastFlex LED 2x6/827 DA G4+	2373	134	2700	80	172.2 x 49.5 x 5.85	929002117406
Fortimo FastFlex LED 2x6/830 DA G4+	2490	140	3000	80	172.2 x 49.5 x 5.85	929002117506
Fortimo FastFlex LED 2x6/740 DA G4+	2914	165	4000	70	172.2 x 49.5 x 5.85	929002117606
Fortimo FastFlex LED 2x6/840 DA G4+	2640	149	4000	80	172.2 x 49.5 x 5.85	929002117706
Fortimo FastFlex LED 2x8/730 DA G4+	3683	157	3000	70	223 x 49.5 x 5.85	929002117806
Fortimo FastFlex LED 2x8/740 DA G4+	3885	165	4000	70	223 x 49.5 x 5.85	929002117906
Fortimo FastFlex LED 2x8/757 DA G4+	3683	157	5700	70	223 x 49.5 x 5.85	929002118006
Fortimo FastFlex LED 2x8/822 DA G4+	2730	118	2200	80	223 x 49.5 x 5.85	929002118206
Fortimo FastFlex LED 2x8/827 DA G4+	3164	134	2700	80	223 x 49.5 x 5.85	929002118306
Fortimo FastFlex LED 2x8/830 DA G4+	3319	140	3000	80	223 x 49.5 x 5.85	929002118406
Fortimo FastFlex LED 2x8/840 DA G4+	3520	149	4000	80	223 x 49.5 x 5.85	929002118506

Light output is specified at board level (lens optical losses not included).
* Max. color consistency specified at beginning of life time.

The FastFlex differentiation protected (DP), merging the previous generation 4 DP and DPX versions into generation 4+ DP, enables the use of third-party lenses for an unlimited range of optical configurations. Additionally, the FastFlex DP offers maximum cost effectiveness and fixture efficacy via IP protection.

Product specifications

Product type	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions	Product code
	lm	lm/W @ Tc Nom	K	min. CRI	mm	12NC
Fortimo Fastflex LED 2x6/730 DP G4+	2762	157	3000	70	146 x 45 x 5.85	929002118606
Fortimo FastFlex LED 2x6/740 DP G4+	2914	165	4000	70	146 x 45 x 5.85	929002118706
Fortimo FastFlex LED 2x6/840 DP G4+	2640	149	4000	80	146 x 45 x 5.85	929002118806

Light output is specified at board level (lens optical losses not included).
* Max. color consistency specified at beginning of life time.

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

Specification given at 530 mA and Tc 80°C and 75°C for the FastFlex DHE.
Light output is specified at board level (lens optical losses not included).
* Max. color consistency specified at beginning of life time.

Fortimo FastFlex DC

The Fortimo FastFlex DC (differentiation compact) offers outstanding fixture design flexibility due to its high lumen per square millimeter and its symmetrical form factor. In combination with third-party IP66 lenses, the FastFlex DC enables the creation of efficient and cost-effective luminaires in applications such as industry high bay, as well as outdoor roads and city centers.

Product specifications

Product type	Typical light output	Module efficacy typical	Correlated color temperature	Color rendering index*	Typical dimensions	Product code
	lm	lm/W @ Tc Nom	K	min. CRI	mm	12NC
Fortimo FastFlex LED 2x2/740 70x70 DC G4	3636	153	4000	>70	70 x 70 x 6.2	929001647006
Fortimo FastFlex LED 2x2/750 70x70 DC G4	3726	159	5000	>70	70 x 70 x 6.2	929001647106
Fortimo FastFlex LED 2x2/730 70x70 DC G4	3385	143	3000	>70	70 x 70 x 6.2	929001646906
Fortimo FastFlex LED 2x2/840 70x70 DC G4	3385	143	4000	>80	70 x 70 x 6.2	929001647506

Light output is specified at board level (lens optical losses not included).
* Max. color consistency specified at beginning of life time.

Complementary Partners

	Ledil	Carclo	LedLink	Darkoo	CKO	BJB	Darkoo
FastFlex DA	L	L	L	L			
FastFlex DP	L		L	L	L	L	
FastFlex DHE	L						L
FastFlex DC	L						L

L = lenses

Module driver compatibility

The Fortimo FastFlex portfolio is compatible with multiple Xitanium LED drivers. For more information please visit our EDIT tool.

Fortimo FastFlex VO

The Fortimo FastFlex VO (Value Offer) LED Outdoor module portfolio has been developed to offer an outstanding match between good enough, competitive performance and maximum cost effectiveness; a most effective solution of value for money. The modules offer optical flexibility with third party optics suppliers



Product specifications

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

Fortimo FastFlex Gen5

While FastFlex Gen4+ remains backwards compatible with Fortimo FastFlex Gen4, the new Fortimo FastFlex generation 5 premium (PR), with its new LED technology, enables improved optical quality and efficiency leadership.



Product specifications

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

Complementary partners

LEDIL has designed new 2x2 lenses, the fully optimized Stradella-8 for this new LED technology.

Module driver compatibility

The Fortimo FastFlex portfolio is compatible with multiple Xitanium LED drivers. For more information please visit our EDIT tool.

Fortimo FastFlex IP66

Fortimo FastFlex (FF) IP66 is an integrated module solution with IP protection, excellent optical and heat management, made possible by its mid-power LED and glass lens technology. The Fortimo FastFlex IP66 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 165lm/w. The entire system set includes FF IP66 modules, IP67 drivers and multi-connectors, creating a total IP solution perfect for easy design-in for outdoor as well as industry applications. Fortimo FastFlex IP66 is a modular system, with each module having a typical lumen output from 6000 up to **10,000 lumens**. The portfolio includes color temperatures of 3000K, 4000K and 5700K.



Product specifications

Product type	Product code
	12NC
Fortimo FastFlex IP 6KLM 730 II-S	929001427780
Fortimo FastFlex IP 6KLM 730 II-M	929001427880
Fortimo FastFlex IP 6KLM 730 III-S	929001427980
Fortimo FastFlex IP 6KLM 730 III-M	929001428080
Fortimo FastFlex IP 6KLM 740 II-S	929001428180
Fortimo FastFlex IP 6KLM 740 II-M	929001428280
Fortimo FastFlex IP 6KLM 740 III-S	929001428380
Fortimo FastFlex IP 6KLM 740 III-M	929001428480
Fortimo FastFlex IP 6KLM 757 II-S	929001428580
Fortimo FastFlex IP 6KLM 757 II-M	929001428680
Fortimo FastFlex IP 6KLM 757 III-S	929001428780
Fortimo FastFlex IP 6KLM 757 III-M	929001428880
Fortimo FastFlex IP 6KLM UHE 730 II-S	929001464080
Fortimo FastFlex IP 6KLM UHE 730 II-M	929001464180

Product specifications

Product type	Product code
	12NC
Fortimo FastFlex IP 6KLM UHE 730 III-S	929001464280
Fortimo FastFlex IP 6KLM UHE 730 III-M	929001464380
Fortimo FastFlex IP 6KLM UHE 740 II-S	929001464480
Fortimo FastFlex IP 6KLM UHE 740 II-M	929001464580
Fortimo FastFlex IP 6KLM UHE 740 III-S	929001464680
Fortimo FastFlex IP 6KLM UHE 740 III-M	929001464780
Fortimo FastFlex IP 6KLM UHE 757 II-S	929001464880
Fortimo FastFlex IP 6KLM UHE 757 II-M	929001464980
Fortimo FastFlex IP 6KLM UHE 757 III-S	929001465080
Fortimo FastFlex IP 6KLM UHE 757 III-M	929001465180
Fortimo FastFlex IP 5KLM 840 HB-60	929001428980
Fortimo FastFlex IP 5KLM 840 HB-90	929001429080
Fortimo FastFlex IP 5KLM 857 HB-60	929001429180
Fortimo FastFlex IP 5KLM 857 HB-90	929001429280
Fortimo FastFlex IP 10KLM 740 25D	929002814480
Fortimo FastFlex IP 10KLM 757 25D	929002814580
Fortimo FastFlex IP 6.5KLM 740 12D	929002814680
Fortimo FastFlex IP 6.5KLM 757 12D	929002814780

Fortimo FastFlex IP66 Multi-connectors

Product specifications

Product type	Product code
	12NC
FastFlex IP Multi-connector 1-3	929001429380
FastFlex IP Multi-connector 1-5	929001429480
FastFlex IP flying wires connector	929001465280

CertaFlux FastFlex IP66

CertaFlux FastFlex (FF) IP66 is an integrated module solution with IP protection, excellent optical and heat management, made possible by its mid-power LED and glass lens technology. The entire system set includes FF IP66 modules, IP67 drivers and multi-connectors, creating a total IP solution perfect for easy design-in for outdoor applications. CertaFlux FastFlex IP66 is a modular system, with each module having a typical lumen output around 6000lm. The portfolio includes color temperatures of 3000K, 4000K and 5700K.



Product specifications

Product type	Product code
	12NC
CertaFlux FastFlex IP 6KLM 730 II-M	929002107680
CertaFlux FastFlex IP 6KLM 730 III-M	929002107780
CertaFlux FastFlex IP 6KLM 740 II-M	929002107880
CertaFlux FastFlex IP 6KLM 740 III-M	929002107980
CertaFlux FastFlex IP 6KLM 750 II-M	929002108080
CertaFlux FastFlex IP 6KLM 750 III-M	929002108180

CertaFlux FastFlex IP66 Multi-connector

Product specifications

Product type	Product code
	12NC
FastFlex IP Multi-connector 1-4 CSA	929002108280



Industrial Drivers

Portfolio

Industrial Drivers	Dimming		Basic Features and Performances		
	Dali Dim	1-10V	SimpleSet	Adjust Output Current	Housing/Installation
Core	No	Yes	No	No	IP67
	No	Yes	No	Yes	IP65



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.



Product specifications

Product Type	Housing Type	Housing	Max output power		Output Voltage	Dimensions	Surge Protection (DM/CM)	Dimming	Product code
			W	A					
Xitanium Dim 100W 1.05A 1-10V 230V I165	IP67	I165	100	1.05	46-95	165 x 73 x 65	4/6	1-10V	929001407980
Xitanium Dim 100W 1.05A 1-10V 230V I165C	IP67	I165	100	1.05	46-95	165 x 73 x 65	4/6	1-10V	929001425680
Xitanium Dim 150W 1.05A 1-10V 230V I165	IP67	I165	150	1.05	71-142	165 x 73 x 65	4/6	1-10V	929001407880
Xitanium Dim 150W 1.05A 1-10V 230V I165C	IP67	I165	150	1.05	71-142	165 x 73 x 65	4/6	1-10V	929001425580
Xitanium Dim 220W 1.05A 1-10V 230V I240	IP67	I165	220	1.05	100-210	165 x 73 x 65	4/6	1-10V	929001407780
Xitanium Dim 220W 1.05A 1-10V 230V I240C	IP67	I165	220	1.05	100-210	165 x 73 x 65	4/6	1-10V	929001408980

Xitanium Round Shape High Bay Drivers

Our Xitanium round shape high bay drivers are designed to deliver high performance, flexibility and full suitability thru their global input, adjustable output current, dimming, high ambient temperature ratings as well as IP65 rating. These drivers come with an efficient, robust and reliable design capable to withstand the harsh industrial operating conditions while, enabling highest efficiency to your luminaires. Their dimming and adjustable current capabilities enables wider flexibility in adjusting light output complemented by the compact round size.



Product specifications

Product Type	SimpleSet	Housing Type	Housing	Max output power		Output Voltage	Dimensions	Surge Protection (DM/CM)	Dimming	Aux	Product code
				W	A						
Xi 100W 0.35-0.55A 100-277V R1132S	No	IP65	Round	100	0.35-0.55	160-260	132 x 62	4/4	No	No	929002845180
Xi 150W 0.52-0.84A 100-277V R1132S	No	IP65	Round	150	0.52-0.84	160-260	132 x 62	4/4	No	No	929002845280
Xi 200W 0.66-1.10A 100-277V R1132S	No	IP65	Round	200	0.66-1.10	160-260	132 x 62	4/4	No	No	929002845380
Xi 100W 0.35-0.55A 1-10V 100-277V R1132	No	IP65	Round	100	0.35-0.55	160-260	132 x 62	4/4	1-10V	No	929002815080
Xi 150W 0.52-0.84A 1-10V 100-277V R1132	No	IP65	Round	150	0.52-0.84	160-260	132 x 62	4/4	1-10V	No	929002815180
Xi 200W 0.66-1.10A 1-10V 100-277V R1132	No	IP65	Round	200	0.66-1.10	160-260	132 x 62	4/4	1-10V	No	929002815280
Xi 100W 0.35-0.55A 1-10V 100-277V R1132S	No	IP65	Round	100	0.35-0.55	160-260	132 x 62	4/4	1-10V	No	929002815380
Xi 150W 0.52-0.84A 1-10V 100-277V R1132S	No	IP65	Round	150	0.52-0.84	160-260	132 x 62	4/4	1-10V	No	929002815480
Xi 200W 0.66-1.10A 1-10V 100-277V R1132S	No	IP65	Round	200	0.66-1.10	160-260	132 x 62	4/4	1-10V	No	929002815580
Xi 240W 0.82-1.35A 1-10V 100-277V R1132	No	IP65	Round	240	0.82-1.35	160-260	132 x 62	4/4	1-10V	No	929002845680
Xi 100W 0.35-0.55A 1-10V 100-277V R1132S	No	IP65	Round	100	0.35-0.55	160-260	132 x 62	4/4	1-10V	No	929002815380
Xi 150W 0.52-0.84A 1-10V 100-277V R1132S	No	IP65	Round	150	0.52-0.84	160-260	132 x 62	4/4	1-10V	No	929002815480
Xi 200W 0.66-1.10A 1-10V 100-277V R1132S	No	IP65	Round	200	0.66-1.10	160-260	132 x 62	4/4	1-10V	No	929002815580
Xi 240W 0.82-1.35A 1-10V 100-277V R1132S	No	IP65	Round	240	0.82-1.35	160-260	132 x 62	4/4	1-10V	No	929002845580
Xi 100W 0.35-0.55A 1-10V GL AUX R1132	No	IP65	Round	100	0.35-0.55	160-260	132 x 62	4/4	1-10V	Yes	929002825280
Xi 150W 0.52-0.84A 1-10V GL AUX R1132	No	IP65	Round	150	0.52-0.84	160-260	132 x 62	4/4	1-10V	Yes	929002825380
Xi 200W 0.66-1.10A 1-10V GL AUX R1132	No	IP65	Round	200	0.66-1.10	160-260	132 x 62	4/4	1-10V	Yes	929002825480
Xi 240W 0.82-1.35A 1-10V GL AUX R1132	No	IP65	Round	240	0.82-1.35	160-260	132 x 62	4/4	1-10V	Yes	929002845880
Xi 100W 0.35-0.55A 1-10V GL AUX R1132S	No	IP65	Round	100	0.35-0.55	160-260	132 x 62	4/4	1-10V	Yes	929002825580
Xi 150W 0.52-0.84A 1-10V GL AUX R1132S	No	IP65	Round	150	0.52-0.84	160-260	132 x 62	4/4	1-10V	Yes	929002825680
Xi 200W 0.66-1.10A 1-10V GL AUX R1132S	No	IP65	Round	200	0.66-1.10	160-260	132 x 62	4/4	1-10V	Yes	929002825780
Xi 240W 0.82-1.35A 1-10V GL AUX R1132S	No	IP65	Round	240	0.82-1.35	160-260	132 x 62	4/4	1-10V	Yes	929002845780



High quality
of lighting, best-in-class
thermal performance,
minimal glare

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.



Fortimo High Bay G2 Modules

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

Fortimo High Bay HE G2 Modules

Product type	Module efficiency typical	Beam Angle °	Correlated temperature K	color SDCM	Color Consistency KV	SurgeRating DM/CM	IP Rate	Product code
Fortimo High Bay Module HE 10KLM 840 G2	170	60/90/115	4000	<5	4/4	IP65	929002856380	
Fortimo High Bay Module HE 15KLM 840 G2	170	60/90/115	4000	<5	4/4	IP65	929002856480	
Fortimo High Bay Module HE 20KLM 840 G2	170	60/90/115	4000	<5	4/4	IP65	929002856580	
Fortimo High Bay Module HE 25KLM 840 G2	170	60/90/115	4000	<5	4/4	IP65	929002856680	
Fortimo High Bay Module HE 10KLM 857 G2	170	60/90/115	5700	<5	4/4	IP65	929002856780	
Fortimo High Bay Module HE 15KLM 857 G2	170	60/90/115	5700	<5	4/4	IP65	929002856880	
Fortimo High Bay Module HE 20KLM 857 G2	170	60/90/115	5700	<5	4/4	IP65	929002856980	
Fortimo High Bay Module HE 25KLM 857 G2	170	60/90/115	5700	<5	4/4	IP65	929002857080	
Fortimo High Bay Module HE 10KLM 865 G2	170	60/90/115	6500	<5	4/4	IP65	929002857180	
Fortimo High Bay Module HE 15KLM 865 G2	170	60/90/115	6500	<5	4/4	IP65	929002857280	
Fortimo High Bay Module HE 20KLM 865 G2	170	60/90/115	6500	<5	4/4	IP65	929002857380	
Fortimo High Bay Module HE 25KLM 865 G2	170	60/90/115	6500	<5	4/4	IP65	929002857480	

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



Recommended Drivers for Fortimo High Bay (FHB) Modules can be found through the Philips Easy Design-in tool. Please visit our website at www.lighting.philips.com.sg/oem-asia

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				

Compatible Driver & Module Series

Xitanium RSHB Driver Series	High Bay Module G2 Series	
	Fortimo	Fortimo HE
230V		
Dim & no-Aux	No	No
100-277V	Yes	Yes
No-Dim & no-Aux	(basic solution)	(basic solution)
100-277V	Yes	Yes
Dim & no-Aux	(optional solution)	(optional solution)
100-277V	Yes	Yes
Dim & Aux	(optional solution)	(optional solution)

connectivity
will be key

Indoor Point Drivers

Making you part
of the new age!

Portfolio

Indoor Point Driver	Dimming			Basic Features and Performances			
	Wireless	Dali Dim	TE Dim	MasterConnect	SimpleSet	Adjust Output Current(AOC)	Driver lifetime (hours)
Statement	Yes	Yes	No	Yes	Yes	Yes	50,000
Performance	No	No	No	No	Yes	Yes	50,000
Core	No	No	Yes	No	No	Yes	50,000
Entry	No	No	No	No	No	No	30,000



Xitanium Programmable

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

- Wireless or Dali Dimmable
- Output current can be adjusted via the Philips MultiOne or SimpleSet
- +/-5% output current tolerance
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- High reliability underpinned by 5 year warranty
- Future-proof flexibility: application-oriented operating windows enable LED generation and complexity management
- Compatibility: can also be used for other manufacturers' modules or OEM's own PCB designs

Applications

- Downlight
- Tack light
- Spot light



Product specifications

Product type	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	Product code
			W	A	V	mm		12NC
Xitanium 36W/m 0.15-1.05A 54V MC 230V	Yes	B97	36	0.15-0.5	24-54	97x43x30	Wireless	929002133006
Xitanium 20W /m 0.15-0.5A 54V S TD 230V	Yes	B97	20	0.15-0.5	24-54	97x43x30	Dali	929001485106
Xitanium 36W /m 0.3-1.05A 54V S TD 230V	Yes	B97	36	0.3-1.05	24-54	97x43x30	Dali	929001485206
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	Yes	I200	20	0.15-0.5	24-54	200x74x32	Dali & Touch Dim	929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V	Yes	I200	36	0.3-1.0	24-54	200x74x32	Dali & Touch Dim	929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V	Yes	I200	50	0.7-1.5	24-54	200x74x32	Dali & Touch Dim	929002804506

Product type	Product code
Strain Relief Blocks DALI	929001430906

Xitanium Adjustable Output Current (WH Family)

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

- Adjustable output current via SimpleSet
- +/-5% output current tolerance
- low ripple current <=4%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- High reliability underpinned by 5 year warranty
- Future-proof flexibility: application-oriented operating windows enable LED generation and complexity management
- Compatibility: can also be used for other manufacturers' modules or OEM's own PCB designs

Applications

- Downlight
- Tack light
- Spot light



I200

Product specifications

Product type	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	Product code
			W	A	V	mm		12NC
Xitanium 20W WH 0.15-0.5A 54V Is 230V	Yes	I200	20	0.15-0.5	24-54	200x74x32	No	929002170706
Xitanium 36W WH 0.3-1.05A 54V Is 230V	Yes	I200	36	0.3-1.0	24-54	200x74x32	No	929002170806
Xitanium 50W WH 0.7-1.5A 54V Is 230V	Yes	I200	50	0.7-1.5	24-54	200x74x32	No	929002170906

Xitanium Adjustable Output Current (Mini Family)

Xitanium Mini driver have the same form of conventional HID-Prima vision driver which is widely used in downlight and spot light. The output current can be adjusted by Rset which give OEMs much design flexibility.

Features

- Adjustable output current via Rset or SimpleSet
- HID-Prima vision mini form with small size
- +/-5% output current tolerance
- low ripple current <=4%
- THD<=20%
- 50,000 hours lifetime

Benefits

- Drivers designed based on Philips experience and knowledge in conventional fluorescent and HID technologies
- Different current output set by Rset give high flexibility to OEMs
- Very small size which is easy to be designed in luminaire
- Resolve flickering issue in certain applications

Applications

- Downlight
- Tack light
- Spot light



B97

Product specifications

Product type	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	Product code
			W	A	V	mm		12NC
Xitanium 20W/m 0.15-0.5A 52V 230V	No	B97	20	0.15-0.5	24-52	97x43x30	No	929001436106
Xitanium 36W/m 0.3-1.05A 52V 230V	No	B97	36	0.3-1.05	24-52	97x43x30	No	929001436206
Xitanium 43W/m 0.7-1.2A 52V 230V	No	B97	43	0.7-1.2	24-52	97x43x30	No	929001470906
Xitanium 50W/m 0.5-1.5A 48V 230V	No	B97	50	0.5-1.5	24-48	97x43x30	No	929000934606
Xitanium 20W/m 0.15-0.5A 54V 230V	Yes	B97	20	0.15-0.5	24-54	97x43x30	No	929001485906
Xitanium 36W/m 0.3-1.05A 54V 230V	Yes	B97	36	0.3-1.05	24-54	97x43x30	No	929001486006
Xitanium 43W/m 0.7-1.2A 54V 230V	Yes	B97	43	0.7-1.2	24-54	97x43x30	No	929001486106
Xitanium 50W/m 0.7-1.5A 54V 230V	Yes	B97	50	0.7-1.5	24-54	97x43x30	No	929001415306

Product type

Product type	Product code
Strain Relief Blocks	929001461680

Xitanium Adjustable Output Current (Track Family)

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

Features

- Small, compact dimensions
- Specific, optimized output current and voltage
- 50,000 hours lifetime
- Fast time to market
- Low ripple, low THD
- Suitable for 3 circuits system
- White/Black/Grey colour available
- Standard nipples as accessory

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
- Adjustable output current via SimpleSet
- Track adaptor housing design for minimization of track light luminaire

Applications

- Tack light



Product specifications

Product type	Color	Housing	Max Output Power	Output Current	Output Voltage	Dimension	Dimming	Product code
			W	A	V			
Xitanium 20W/a 0.15-0.5A 42V 3CW 230V	White	I162	20	0.35/0.5	30-40	162x31x44	No	929002129306
Xitanium 42W/a 0.3-1.05A 42V 3CW 230V	White	I224	42	0.9/1.05	30-40	224x31x44	No	929002129606
Xitanium 20W/a 0.15-0.5A 42V 3CB 230V	Black	I162	20	0.35/0.5	30-40	162x31x44	No	929002129406
Xitanium 42W/a 0.3-1.05A 42V 3CB 230V	Black	I224	42	0.9/1.05	30-40	224x31x44	No	929002129706
Xitanium 20W/a 0.15-0.5A 42V 3CG 230V	Grey	I162	20	0.35/0.5	30-40	162x31x44	No	929002129506
Xitanium 42W/a 0.3-1.05A 42V 3CG 230V	Grey	I224	42	0.9/1.05	30-40	224x31x44	No	929002129806



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

Xitanium Single Current (Mini Family)

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
- +/-8% output current tolerance
- low ripple current <=4%
- THD<=20%
- 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

Applications

- Downlight
- Tack light
- Spot light



Product specifications

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

Product type	Product code
	12NC
Strain Relief Blocks	929001461680

Xitanium Single Current G2/G3

This range provides an affordable selection of point drivers which have 50,000 hours lifetime. The driver specially addresses the flickering issues by low ripple current, making this ideal for camera operation.

Features

- Small, compact dimensions
- Specific, optimized output current and voltage
- Selectable output current from 25W to 64W
- 4KV/2KV surge of 50W/59W/64W
- Low ripple current <=1% 15W to 44W
- THD<=15%
- 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
- Resolve flickering issue in certain applications

Applications

- Downlight
- Tack light
- Spot light
- Panel light



I115



I108

Product specifications

Product type	SimpleSet	Housing	Max Output Power		Output Voltage	Dimensions	Dimming	Product code
			W	A				
Xitanium 15W 0.2-0.35A 42V DS I 230V G3	No	I115	15	0.2/0.25/0.3/0.35	30-42	115x45x29	No	929002808806
Xitanium 25W 0.45-0.6A 42V DS I 230V G3	No	I115	25	0.45/0.5/0.55/0.6	30-42	115x45x29	No	929002808906
Xitanium 36W 0.7-0.85A 42V DS I 230V G3	No	I108	36	0.7/0.75/0.8/0.85	30-42	108x68x32	No	929002809006
Xitanium 44W 0.9-1.05A 42V DS I 230V G3	No	I108	44	0.9/0.95/1.0/1.05	30-42	108x68x32	No	929002809106
Xitanium 50W 1.1/1.2A 42V I 230V G2	No	I108	50	1.1/1.2	30-42	108x68x32	No	929001423380
Xitanium 59W 1.3/1.4A 42V I 230V G2	No	I108	59	1.3/1.4	30-42	108x68x32	No	929001423480
Xitanium 64W 1.5/1.6A 40V I 230V G2	No	I108	64	1.5/1.6	30-40	108x68x32	No	929001423580

Xitanium Single Current 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

- Small, compact dimensions
- Selectable output current of 24W to 42W
- +/-5% output current tolerance
- THD<=20%
- 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

Applications

- Downlight
- Tack light
- Spot light



B100



I108

Product specifications

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

Product type	Product code
Strain Relief Block TE	929001431106

Xitanium Track Adaptor Driver (3 circuits)

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

Features

- Small, compact dimensions
- Specific, optimized output current and voltage
- 50,000 hours lifetime
- Fast time to market
- Low ripple, low THD
- Suitable for 3 circuits system
- White/Black/Grey colour available
- Standard nipples as accessory

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
- Fixed output Drivers
- Track adaptor housing design for minimization of track light l

Applications

- Tack light



Product specifications

Product type	SimpleSet	Housing	Max Output Power		Output Current	Output Voltage	Dimensions	Dimming	Product code
			W	A					
Xitanium 10W/a 0.2/0.25A 40V 3CW 230V	White	I162	10	0.2/0.25	30-40	162x31x44	No	929001475606	
Xitanium 20W/a 0.35/0.5A 40V 3CW 230V	White	I162	20	0.35/0.5	30-40	162x31x44	No	929001475706	
Xitanium 32W/a 0.7/0.8A 40V 3CW 230V	White	I224	32	0.7/0.8	30-40	224x31x44	No	929001475806	
Xitanium 42W/a 0.9/1.05A 40V 3CW 230V	White	I224	42	0.9/1.05	30-40	224x31x44	No	929001475906	
Xitanium 10W/a 0.2/0.25A 40V 3CB 230V	Black	I162	10	0.2/0.25	30-40	162x31x44	No	929001476006	
Xitanium 20W/a 0.35/0.5A 40V 3CB 230V	Black	I162	20	0.35/0.5	30-40	162x31x44	No	929001476106	
Xitanium 32W/a 0.7/0.8A 40V 3CB 230V	Black	I224	32	0.7/0.8	30-40	224x31x44	No	929001476206	
Xitanium 42W/a 0.9/1.05A 40V 3CB 230V	Black	I224	42	0.9/1.05	30-40	224x31x44	No	929001476306	
Xitanium 10W/a 0.2/0.25A 40V 3CG 230V	Grey	I162	10	0.2/0.25	30-40	162x31x44	No	929001476406	
Xitanium 20W/a 0.35/0.5A 40V 3CG 230V	Grey	I162	20	0.35/0.5	30-40	162x31x44	No	929001476506	
Xitanium 32W/a 0.7/0.8A 40V 3CG 230V	Grey	I224	32	0.7/0.8	30-40	224x31x44	No	929001476606	
Xitanium 42W/a 0.9/1.05A 40V 3CG 230V	Grey	I224	42	0.9/1.05	30-40	224x31x44	No	929001476706	



Product type	Product code
	12NC
Nipples X1 white	929001476880
Nipples X1 black	929001476980
Nipples X1 grey	929001477006

CertaDrive Mini Family

CertaDriver Mini 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

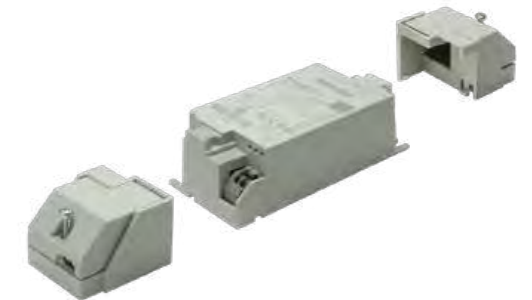
- HID-Prima vision mini form with small size
- Affordable LED Drivers
- +/-8% output current tolerance
- 30,000 hours lifetime

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 lumanire
- Resolve flickering issue in certain applications

Applications

- Downlight
- Tack light
- Spot light



Product specifications

Product type	SimpleSet	Housing	Max Output Power		Output Current	Output Voltage	Dimensions	Dimming	Product code
			W	A					
CertaDrive 21W/m 0.5A 42V 230V	No	B97	21	0.5	30-42	97x43x30	No	929002860580	
CertaDrive 25W/m 0.6A 42V 230V	No	B97	25	0.6	30-42	97x43x30	No	929002860680	
CertaDrive 30W/m 0.7A 42V 230V	No	B97	30	0.7	30-42	97x43x30	No	929002860780	
CertaDrive 34W/m 0.8A 42V 230V	No	B97	34	0.8	30-42	97x43x30	No	929002860880	
CertaDrive 40W/m 0.9A 44V 230V	No	B97	40	0.9	30-44	97x43x30	No	929002860980	
CertaDrive 41W/m 1.05A 39V 230V	No	B97	41	1.05	27-39	97x43x30	No	929002861080	

Product type	Product code
	12NC
Strain Relief Block CertaDrive	929001463980

CertaDrive Single Current G2/G3

These fixed current drivers offer an easy to use solution for essential spot, downlight and panel light applications. The CertaDrive range is designed to meet the market needs for basic lighting. They are therefore ideal for high volume applications and can be used with different type LED light engines. These driver are optimized for Chip On Board (COB) LED technology and are available in a variety of wattages.

Features

- High reliability
- Luminaire design flexibility to keep stable/constant
- Lumen output and light quality levels
- Fast Time to Market
- One supplier for professional general lighting LED Drivers
- Low ripple < 4% (25W to 44W)
- +/- 8% output current tolerance on 2nd generation
- 30,000 hours life time

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
- Fixed output drivers
- Independent version housing design for stand-alone installations

Applications

- Downlight
- Tack light
- Spot light



Product specifications

Product type	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimensions	Dimming	Product code
			W	A	V	mm		12NC
CertaDrive 8W 0.2A 42V I 230V G2	No	I115	8	0.2	30-42	115x45x29	No	929001421780
CertaDrive 11W 0.25A 42V I 230V G2	No	I115	11	0.25	30-42	115x45x29	No	929001421880
CertaDrive 13W 0.3A 42V I 230V G2	No	I115	13	0.3	30-42	115x45x29	No	929001421980
CertaDrive 15W 0.35A 42V I 230V G2	No	I115	15	0.35	30-42	115x45x29	No	929001422080
CertaDrive 17W 0.4A 42V I 230V G2	No	I115	17	0.4	30-42	115x45x29	No	929001422180
CertaDrive 19W 0.45A 42V I 230V G2	No	I115	19	0.45	30-42	115x45x29	No	929001422280
CertaDrive 21W 0.5A 42V I 230V G2	No	I115	21	0.5	30-42	115x45x29	No	929001422380
CertaDrive 25W 0.6A 42V I 230V G3	No	I108	25	0.6	30-42	108x68x32	No	929002819380
CertaDrive 30W 0.7A 42V I 230V G3	No	I108	30	0.7	30-42	108x68x32	No	929002819480
CertaDrive 34W 0.8A 42V I 230V G3	No	I108	34	0.8	30-42	108x68x32	No	929002819580
CertaDrive 38W 0.9A 42V I 230V G3	No	I108	38	0.9	30-42	108x68x32	No	929002819680
CertaDrive 44W 1.05A 42V I 230V G3	No	I108	44	1.05	30-42	108x68x32	No	929002819780

CertaDrive Track Adaptor Driver (1 circuits)

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

Features

- Small, compact dimensions
- Specific, optimized output current and voltage
- 30,000 hours lifetime
- Fast Time to Market
- Low ripple, low THD
- Suitable for 1 circuits system
- White/Black/Grey colour available
- Standard nipples as accessory

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
- Fixed output drivers
- Track adapter housing design for minimization of track light luminaire

Applications

- Tack light



Product specifications

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

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

CertaDrive Single Current (LPF Family)

These fixed current drivers offer an easy to use solution for essential spot, downlight applications. The CertaDrive LPF range is designed to meet the market needs for basic lighting. They are therefore ideal for high volume applications and can be used with different type LED light engines. These drivers have very small size and are optimized for low power factor application.

Features

- High reliability
- Luminaire design flexibility to keep stable/constant
- Lumen output and light quality levels
- Fast Time to Market
- Low power factor
- Affordable LED Drivers
- +/- 10% output current tolerance
- 30,000 hours life time

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
- Fixed output drivers
- Independent version housing design for stand-alone installations

Applications

- Downlight
- Tack light
- Spot light



I115



I88

Product specifications

Product type	SimpleSet	Housing	Max Output Power	Output Current	Output Voltage	Dimension	Dimming	Product code
			W	A	V			
CertaDrive 4W 0.1A 40V LPF I 230V	No	I88	4	0.1	32-40	88x39x32	No	929001480080
CertaDrive 6W 0.15A 40V LPF I 230V	No	I88	6	0.15	32-40	88x39x32	No	929001480180
CertaDrive 8W 0.2A 40V LPF I 230V	No	I88	8	0.2	32-40	88x39x32	No	929001480280
CertaDrive 10W 0.5A 20V LPF I 230V	No	I88	10	0.5	16-20	88x39x22	No	929001480380
CertaDrive 12W 0.3A 40V LPF I 230V	No	I88	12	0.3	32-40	88x39x22	No	929001409506
CertaDrive 14W 0.35A 40V LPF I 230V	No	I115	14	0.35	30-40	115x45x29	No	929001480480
CertaDrive 16W 0.4A 40V LPF I 230V	No	I115	16	0.4	30-40	115x45x29	No	929001480580
CertaDrive 18W 0.45A 40V LPF I 230V	No	I115	18	0.45	30-40	115x45x29	No	929001480680
CertaDrive 20W 0.5A 40V LPF I 230V	No	I115	20	0.5	30-40	115x45x29	No	929001480780



Retail is detail

Spotlight Modules

Light that sells



“Unmatched and powerful quality of light for a unique shopping experience.”

powerful and attractive

The Fortimo LED SLM portfolio distinguishes itself due to its exceptional quality of light achieved by multiple different light recipes. On top of that, the range consists of multiple lumen packages enabling powerful and consistent accent lighting throughout the entire retail store. With the new Fortimo LED SLM VO Gen1 we're opening up a new offering for more economical applications.

Selecting your flavor

Since its introduction, the Fortimo LED SLM range has grown to be one of the most used accent lighting modules in the industry. The range has steadily grown to accommodate the ever-changing needs in retail lighting. High CRI and color saturation, high punch or high lm/W, Fortimo LED SLM can provide all of this.

Crisp white delivers stunning whites and vibrant colors in fashion stores, whereas premium white offers the best light quality without sacrificing efficiency for every retail environment. Fortimo LED SLM premium color is a complete spectrum which combines beautiful saturated colors with a strong energizing white and rich black experience. It is designed to enhance the shopping experience by adding energy to a room and boost the perceived value of products on display.

For an extra punch, our high-density portfolio enables small Chip-on-Board modules (CoBs) to emit more light. Due to its high output and small LES size, Fortimo LED SLM Gen7 HD is perfect for narrow beam applications or for miniaturized designs, resulting in higher efficacy or a significant cost advantage at the application level.

The Fortimo LED SLM food premium red and Fortimo LED SLM food warm white are dedicated propositions for fresh food applications. These special spectrums enhance the appearance of bread, fruit, vegetables and meat.

With the new Fortimo LED SLM VO Gen1 we are adding a value product proposition to our portfolio. Where good is good enough, Fortimo LED SLM VO Gen1 fits your down- or spotlights.

Leading TLA performance

For high-performance downlight applications, our Fortimo LED DLM EaseSelect family, with integrated driver technology, comes in a range of lumen packages and color temperatures. Fortimo LED DLM EaseSelect enhances wellbeing by eliminating temporal light artifacts (TLAs) such as visual flicker, which have a negative impact on health.

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 Gen6. Please also check the online Easy Design-in Tool for your perfect system combination(www.apr.easydesignintool.philips.com)

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)
- Pre-configured system propositions both in high lm/W and lm/S
- Large choice of drivers available, including DALI dimming,Xitanium,CertaFlux
- 50,000 hours lifetime @ Tc life

Benefits

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

Applications

- Retail
- Industry & Outdoor



Fortimo SLM Gen7

Product specifications

Product type	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
Fortimo SLM C 827 1202 L06 1215 G7	1320	12.8	103	2700	> 80	3	85	> 50,000	929001581806
Fortimo SLM C 830 1202 L06 1215 G7	1400	12.8	109	3000	> 80	3	85	> 50,000	929001581906
Fortimo SLM C 835 1202 L06 1215 G7	1460	12.8	114	3500	> 80	3	85	> 50,000	929001582006
Fortimo SLM C 840 1202 L06 1215 G7	1500	12.8	117	4000	> 80	3	85	> 50,000	929001582106
Fortimo SLM C 927 1202 L06 1215 G7	1110	12.8	86	2700	> 90	3	85	> 50,000	929001582406
Fortimo SLM C 930 1202 L06 1215 G7	1200	12.8	93	3000	> 90	3	85	> 50,000	929001582506
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
Fortimo SLM C 730 1204 L09 1619 G7	2951	25.7	115	3000	> 70	3	75	> 50,000	929001585306
Fortimo SLM C 740 1204 L09 1619 G7	3108	25.7	121	4000	> 70	3	75	> 50,000	929001585406
Fortimo SLM C 827 1204 L09 1619 G7	2636	25.7	102	2700	> 80	3	75	> 50,000	929001585806
Fortimo SLM C 830 1204 L09 1619 G7	2775	25.7	108	3000	> 80	3	75	> 50,000	929001585906
Fortimo SLM C 835 1204 L09 1619 G7	2831	25.7	110	3500	> 80	3	75	> 50,000	929001586006
Fortimo SLM C 840 1204 L09 1619 G7	2886	25.7	112	4000	> 80	3	75	> 50,000	929001586106
Fortimo SLM C 850 1204 L09 1619 G7	2886	25.7	112	5000	> 80	3	75	> 50,000	929001586206
Fortimo SLM C 857 1204 L09 1619 G7	2873	25.7	112	5700	> 80	3	75	> 50,000	929001586306
Fortimo SLM C 927 1204 L09 1619 G7	2220	25.7	86	2700	> 90	3	75	> 50,000	929001586406
Fortimo SLM C 930 1204 L09 1619 G7	2276	25.7	88	3000	> 90	3	75	> 50,000	929001586506
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

Product specifications

Product type	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
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
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

* Module efficacy is calculated for the typical lm output. For more detailed and latest specifications (including lifetime) please always check the datasheets online or the Easy Design-in Tool.

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 page 76-84 or the certa indoor point driver section at page 85-88. To find the best driver module combination for your application, the Easy Design-in Tool is available via www.apr.easydesignintool.philips.com. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

Product type	COB							Product code
	1202	1203	1204	1205	1208	1211	1216	12NC
Smart Point LED Drivers								
Xitanium 36W/m 0.3-1.05A 54V TD 230V			√	√	√			929001419106
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√	√	√	√				929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V			√	√	√			929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V					√	√	√	929000991806
Fixed Point LED Drivers								
Xitanium 20W WH 0.15-0.5 54V Is	√	√	√	√				929001413906
Xitanium 20W WH 0.15-0.5A 54V S	√	√	√	√				929001416506
Xitanium 36W WH 0.3-1.05A 54V Is			√	√	√			929001414006
Xitanium 36W WH 0.3-1.05A 54V S			√	√	√			929001416606
Xitanium 50W WH 0.7-1.5A 54V Is					√	√	√	929001416806
Xitanium 50W WH 0.7-1.5A 54V S					√	√	√	929001416706

Product specifications

Product type	COB							Product code
	1202	1203	1204	1205	1208	1211	1216	12NC
Fixed Point LED Drivers								
Xitanium 20W/m 0.15-0.5A 54V 230V	√	√	√	√				929001415006
Xitanium 20W/m 0.15-0.5A 48V 230V	√	√	√	√				929000893806
Xitanium 36W/m 0.3-1.05A 54V 230V		√	√	√	√			929001415106
Xitanium 36W/m 0.3-1.05A 48V 230V			√	√	√			929000881806
Xitanium 50W/m 0.7-1.5A 54V 230V					√	√	√	929001415306
Xitanium 50W/m 0.7-1.5A 48V 230V					√	√	√	929000934606
Fixed Peak Point LED Drivers								
Xitanium 16W/m 0.35A 46V SC 230V	√	√	√	√				929001412380
Xitanium 23W/m 0.5A 46V SC 230V	√	√	√	√	√	√	√	929001412480
Xitanium 32W/m 0.7A 46V SC 230V			√	√	√	√	√	929001412680
Xitanium 15W 0.35A 42V I 230V	√	√	√	√				929001410180
Xitanium 21W 0.5A 42V I 230V			√	√				929001410280
Xitanium 32W 0.7/0.75A 42V I 230V G2			√	√	√	√	√	929001418380
Xitanium 44W 1.0/1.05A 42V I 230V G2			√	√	√	√	√	929001418680
CertaDrive 10W 0.25A 40V LPF I 230V	√	√						929001410006
CertaDrive 12W 0.3A 40V LPF I 230V	√	√						929001409506
CertaDrive 15W 0.35A 42V I 230V	√	√	√	√	√			929000898106
CertaDrive 20W 0.5A 40V I 230V	√	√	√	√	√			929000898006
CertaDrive 30W 0.7A 42V I 230V G2			√	√	√	√		929001414280
CertaDrive 34W 0.8A 42V I 230V G2			√	√	√	√		929001414380
CertaDrive 38W 0.9A 42V I 230V G2			√	√	√	√	√	929001414480
CertaDrive 44W 1.05A 42V I 230V G2			√	√	√	√	√	929001414580

* Check the indoor point driver portfolio on page 76-88 for all available drivers with the operating window you need.

** For more & latest combination, please always check the Easy Design-in Tool.

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 page 76-84 or the certa indoor point driver section at page 85-88. To find the best driver module combination for your application, the Easy Design-in Tool is available via www.apr.easydesignintool.philips.com. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

Product specifications	COB			Product code
	1202	1204	12NC	
Smart Point LED Drivers				
Xitanium 36W/m 0.3-1.05A 54V TD 230V		√		929001419106
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√		√	929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V		√		929000969906
Fixed Point LED Drivers				
Xitanium 20W WH 0.15-0.5 54V Is	√		√	929001413906
Xitanium 20W WH 0.15-0.5A 54V S	√		√	929001416506
Xitanium 36W WH 0.3-1.05A 54V Is		√		929001414006
Xitanium 36W WH 0.3-1.05A 54V S		√		929001416606
Xitanium 20W/m 0.15-0.5A 54V 230V	√		√	929001415006
Xitanium 20W/m 0.15-0.5A 48V 230V	√		√	929000893806
Xitanium 36W/m 0.3-1.05A 54V 230V		√		929001415106
Xitanium 36W/m 0.3-1.05A 48V 230V		√		929000881806
Fixed Peak Point LED Drivers				
Xitanium 16W/m 0.35A 46V SC 230V	√		√	929001412380
Xitanium 23W/m 0.5A 46V SC 230V	√		√	929001412480
Xitanium 32W/m 0.7A 46V SC 230V		√		929001412680
Xitanium 15W 0.35A 42V I 230V	√		√	929001410180
Xitanium 21W 0.5A 42V I 230V		√		929001410280
Xitanium 32W 0.7/0.75A 42V I 230V G2		√		929001418380
Xitanium 44W 1.0/1.05A 42V I 230V G2		√		929001418680
CertaDrive 10W 0.25A 40V LPF I 230V	√			929001410006
CertaDrive 12W 0.3A 40V LPF I 230V	√			929001409506
CertaDrive 15W 0.35A 42V I 230V	√		√	929000898106
CertaDrive 20W 0.5A 40V I 230V	√		√	929000898006
CertaDrive 30W 0.7A 42V I 230V G2		√		929001414280
CertaDrive 34W 0.8A 42V I 230V G2		√		929001414380
CertaDrive 38W 0.9A 42V I 230V G2		√		929001414480
CertaDrive 44W 1.05A 42V I 230V G2		√		929001414580

Fortimo SLM Premium White Gen7

Fortimo SLM Premium White Range Gen7 continuous 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, and spectra. In parallel, +8% efficacy is achieved in average Vs Gen6. Please also check the online Easy Design-in Tool for your perfect system combination(www.apr.easydesignintool.philips.com)

Features

- Flexibility to select a different lumen output between 800 and 10000lm
- Broad portfolio in terms of CCT 3000K, 3500K, 4000K & CRI 80, 90 available
- Small LES size for narrow beam angles and small reflector desgin
- Separation of CoB and holders to increase reactiveness and speed improved understandability of the portfolio
- System Proposition (CoB+Holder+Driver)
- Pre-configured system propositions both in high lm/W and lm/S
- Large choice of drivers available, including DALI dimming,Xitanium,CertaFlux
- 50,000 hours lifetime @ Tc life

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
- Philips Standard warranty applies.
- Philips Standard warranty applies.

Applications

- Retail
- Industry & Outdoor



Product specifications

Product type	Light Output	Moduel Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
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 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 Premium Color Gen7

Fortimo SLM Gen7 Premium Color Range continuous 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, and spectra. In parallel, +8% efficacy is achieved in average Vs Gen6. Please also check the online Easy Design-in Tool for your perfect system combination(www.easydesigntool.com).

Product specifications

Product type	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
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

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 page 76-84 or the certa indoor point driver section at page 85-88. To find the best driver module combination for your application, the Easy Design-in Tool is available via www.apr.easydesigntool.philips.com. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

Product type	COB							Product code
	1202	1203	1204	1205	1208	1211	1216	12NC
Smart Point LED Drivers								
Xitanium 36W/m 0.3-1.05A 54V TD 230V			√	√	√			929001419106
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√	√	√	√				929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V			√	√	√			929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V				√	√	√	√	929000991806
Fixed Point LED Drivers								
Xitanium 20W WH 0.15-0.5 54V Is	√	√	√	√				929001413906
Xitanium 20W WH 0.15-0.5A 54V S	√	√	√	√				929001416506
Xitanium 36W WH 0.3-1.05A 54V Is			√	√	√			929001414006
Xitanium 36W WH 0.3-1.05A 54V S			√	√	√			929001416606
Xitanium 50W WH 0.7-1.5A 54V Is				√	√	√		929001416806
Xitanium 50W WH 0.7-1.5A 54V S				√	√	√		929001416706
Xitanium 20W/m 0.15-0.5A 54V 230V	√	√	√	√				929001415006
Xitanium 20W/m 0.15-0.5A 48V 230V	√	√	√	√				929000893806
Xitanium 36W/m 0.3-1.05A 54V 230V		√	√	√	√			929001415106
Xitanium 36W/m 0.3-1.05A 48V 230V		√	√	√	√			929000881806
Xitanium 50W/m 0.7-1.5A 54V 230V				√	√	√		929001415306
Xitanium 50W/m 0.7-1.5A 48V 230V				√	√	√		929000934606
Fixed Peak Point LED Drivers								
Xitanium 16W/m 0.35A 46V SC 230V	√	√	√	√				929001412380
Xitanium 23W/m 0.5A 46V SC 230V	√	√	√	√	√	√	√	929001412480
Xitanium 32W/m 0.7A 46V SC 230V			√	√	√	√	√	929001412680
Xitanium 15W 0.35A 42V I 230V	√	√	√	√				929001410180
Xitanium 21W 0.5A 42V I 230V			√	√				929001410280
Xitanium 32W 0.7/0.75A 42V I 230V G2			√	√	√	√	√	929001418380
Xitanium 44W 1.0/1.05A 42V I 230V G2			√	√	√	√	√	929001418680
CertaDrive 10W 0.25A 40V LPF I 230V	√	√						929001410006
CertaDrive 12W 0.3A 40V LPF I 230V	√	√						929001409506
CertaDrive 15W 0.35A 42V I 230V	√	√	√	√	√			929000898106
CertaDrive 20W 0.5A 40V I 230V	√	√	√	√	√			929000898006
CertaDrive 30W 0.7A 42V I 230V G2			√	√	√	√		929001414280
CertaDrive 34W 0.8A 42V I 230V G2			√	√	√	√		929001414380
CertaDrive 38W 0.9A 42V I 230V G2			√	√	√	√	√	929001414480
CertaDrive 44W 1.05A 42V I 230V G2			√	√	√	√	√	929001414580

* Check the indoor point driver portfolio on page 76-88 for all available drivers with the operating window you need.

** For more & latest combination, please always check the Easy Design-in Tool.

Features

- Flexibility to select a different lumen output between 800 and 10000lm
- Separation of CoB and holders to increase reactiveness and speed improved understandability of the portfolio
- System Proposition (CoB+Holder+Driver)
- Pre-configured system propositions both in high lm/W and lm/S
- Large choice of drivers available, including DALI dimming,Xitanium,Certaflux
- 50,000 hours lifetime @ Tc life

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
- Industry & Outdoor



Product specifications

Product type	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
Fortimo SLM C 930 PC 1203 L09 1619 G7	1190	10.3	115	3000	> 90	3	85	> 50,000	929001647706
Fortimo SLM C 930 PC 1205 L13 2024 G7	2040	17.2	119	3000	> 90	3	85	> 50,000	929001647806
Fortimo SLM C 930 PC 1208 L15 2024 G7	3070	25.6	120	3000	> 90	3	85	> 50,000	929001647906
Fortimo SLM C 930 PC 1211 L19 2828 G7	4880	41.6	117	3000	> 90	3	85	> 50,000	929001648006
Fortimo SLM C 930 PC 1216 L23 2828 G7	6430	55	117	3000	> 90	3	85	> 50,000	929001648106

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 76–84 or the certa indoor point driver section at pages 85–88. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

Product specifications Product type	COB					Product code 12NC
	1203	1205	1208	1211	1216	
Smart Point LED Drivers						
Xitanium 36W/m 0.3-1.05A 54V TD 230V		√	√			929001419106
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√	√				929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V		√	√			929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V			√	√	√	929000991806
Fixed Point LED Drivers						
Xitanium 20W WH 0.15-0.5 54V Is	√	√				929001413906
Xitanium 20W WH 0.15-0.5A 54V S	√	√				929001416506
Xitanium 36W WH 0.3-1.05A 54V Is		√	√			929001414006
Xitanium 36W WH 0.3-1.05A 54V S		√	√			929001416606
Xitanium 50W WH 0.7-1.5A 54V Is			√	√	√	929001416806
Xitanium 50W WH 0.7-1.5A 54V S			√	√	√	929001416706
Xitanium 20W/m 0.15-0.5A 54V 230V	√	√				929001415006
Xitanium 20W/m 0.15-0.5A 48V 230V	√	√				929000893806
Xitanium 36W/m 0.3-1.05A 54V 230V	√	√	√			929001415106
Xitanium 36W/m 0.3-1.05A 48V 230V		√	√			929000881806
Xitanium 50W/m 0.7-1.5A 54V 230V			√	√	√	929001415306
Xitanium 50W/m 0.7-1.5A 48V 230V			√	√	√	929000934606
Fixed Peak Point LED Drivers						
Xitanium 16W/m 0.35A 46V SC 230V	√	√				929001412380
Xitanium 23W/m 0.5A 46V SC 230V	√	√	√	√	√	929001412480
Xitanium 32W/m 0.7A 46V SC 230V		√	√	√	√	929001412680
Xitanium 15W 0.35A 42V I 230V	√	√				929001410180
Xitanium 21W 0.5A 42V I 230V		√				929001410280
Xitanium 32W 0.7/0.75A 42V I 230V G2		√	√	√	√	929001418380
Xitanium 44W 1.0/1.05A 42V I 230V G2		√	√	√	√	929001418680
CertaDrive 10W 0.25A 40V LPF I 230V	√					929001410006
CertaDrive 12W 0.3A 40V LPF I 230V	√					929001409506
CertaDrive 15W 0.35A 42V I 230V	√	√	√			929000898106
CertaDrive 20W 0.5A 40V I 230V	√	√	√			929000898006
CertaDrive 30W 0.7A 42V I 230V G2		√	√	√		929001414280
CertaDrive 34W 0.8A 42V I 230V G2		√	√	√		929001414380
CertaDrive 38W 0.9A 42V I 230V G2		√	√	√	√	929001414480
CertaDrive 44W 1.05A 42V I 230V G2		√	√	√	√	929001414580

* Check the Xitanium indoor point driver portfolio on pages 76–84 for all available drivers with the operating window you need.

** For more & latest combination, please always check the Easy Design-in Tool.

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 Live Sea Food, Iced Sea Food and Fresh Vegetables.



Fortimo SLM Food Gen7

Product specifications										
Product type	Light Output lm	Module Power W	Module Efficacy lm/W	Color Temperature K	Color Rendering Ra	Color Consistency SDCM	Tc Life °C	B50/L70 at Tc Life hrs	Application	Product code
										12NC
Fortimo SLM C 930 FPR 1205 L13 2024 G7	1615	17.1	94	3000	90	3	85	> 50,000	Meat	929002144106
Fortimo SLM C 930 FPR 1208 L15 2024 G7	2410	25.5	95	3000	90	3	85	> 50,000	Meat	929002144206
Fortimo SLM C 930 FPR 1211 L19 2828 G7	3910	41.6	94	3000	90	3	85	> 50,000	Meat	929002144306
Fortimo SLM C 925 FWW 1205 L13 2024 G7	1524	17.1	89	2500	90	3	85	> 50,000	Bakery	929002144406
Fortimo SLM C 925 FWW 1208 L15 2024 G7	2270	25.5	89	2500	90	3	85	> 50,000	Bakery	929002144506
Fortimo SLM C 925 FWW 1211 L19 2828 G7	3680	41.6	89	2500	90	3	85	> 50,000	Bakery	929002144606
Fortimo SLM C 950 FLS 1205 L13 2024 G7	2202	17.1	129	5000	90	3	85	> 50,000	Live Seafood	929002144706
Fortimo SLM C 950 FLS 1208 L15 2024 G7	3310	25.5	129	5000	90	3	85	> 50,000	Live Seafood	929002144806
Fortimo SLM C 950 FLS 1211 L19 2828 G7	5250	41.6	126	5000	90	3	85	> 50,000	Live Seafood	929002144906
Fortimo SLM C 865 FIS 1205 L13 2024 G7	2360	17.1	138	6500	80	3	85	> 50,000	Iced Seafood	929002145006
Fortimo SLM C 865 FIS 1208 L15 2024 G7	3560	25.5	139	6500	80	3	85	> 50,000	Iced Seafood	929002145106
Fortimo SLM C 865 FIS 1211 L19 2828 G7	5660	41.6	136	6500	80	3	85	> 50,000	Iced Seafood	929002145206
Fortimo SLM C 930 FVF 1205 L13 2024 G7	2040	17.1	119	3000	90	3	85	> 50,000	Vegetable & Fruit	929002145306
Fortimo SLM C 930 FVF 1208 L15 2024 G7	3070	25.5	120	3000	90	3	85	> 50,000	Vegetable & Fruit	929002145406
Fortimo SLM C 930 FVF 1211 L19 2828 G7	4800	41.6	117	3000	90	3	85	> 50,000	Vegetable & Fruit	929002145506

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 page 76–84 or the certa indoor point driver section at page 85–88. To find the best driver module combination for your application, the Easy Design-in Tool is available via www.apr.easydesignintool.philips.com. Below table shows which Xitanium and Certa LED driver window is compatible by default with Fortimo LED SLM.

Product specifications

Product type	CoB			Product code
	1205	1208	1211	12NC
Smart Point LED Drivers				
Xitanium 36W/m 0.3-1.05A 54V TD 230V	√	√		929001419106
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√			929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V	√	√		929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V		√	√	929000991806
Fixed Point LED Drivers				
Xitanium 20W WH 0.15-0.5 54V Is	√			929001413906
Xitanium 20W WH 0.15-0.5A 54V S	√			929001416506
Xitanium 36W WH 0.3-1.05A 54V Is	√	√		929001414006
Xitanium 36W WH 0.3-1.05A 54V S	√	√		929001416606
Xitanium 50W WH 0.7-1.5A 54V Is		√	√	929001416806
Xitanium 50W WH 0.7-1.5A 54V S		√	√	929001416706
Xitanium 20W/m 0.15-0.5A 54V 230V	√			929001415006
Xitanium 20W/m 0.15-0.5A 48V 230V	√			929000893806
Xitanium 36W/m 0.3-1.05A 54V 230V	√	√		929001415106
Xitanium 36W/m 0.3-1.05A 48V 230V	√	√		929000881806
Xitanium 50W/m 0.7-1.5A 54V 230V		√	√	929001415306
Xitanium 50W/m 0.7-1.5A 48V 230V		√	√	929000934606
Fixed Peak Point LED Drivers				
Xitanium 16W/m 0.35A 46V SC 230V	√			929001412380
Xitanium 23W/m 0.5A 46V SC 230V	√	√	√	929001412480
Xitanium 32W/m 0.7A 46V SC 230V	√	√	√	929001412680
Xitanium 15W 0.35A 42V I 230V	√			929001410180
Xitanium 21W 0.5A 42V I 230V	√			929001410280
Xitanium 32W 0.7/0.75A 42V I 230V G2	√	√	√	929001418380
Xitanium 44W 1.0/1.05A 42V I 230V G2	√	√	√	929001418680
CertaDrive 10W 0.25A 40V LPF I 230V				929001410006
CertaDrive 12W 0.3A 40V LPF I 230V				929001409506
CertaDrive 15W 0.35A 42V I 230V	√	√		929000898106
CertaDrive 20W 0.5A 40V I 230V	√	√		929000898006
CertaDrive 30W 0.7A 42V I 230V G2	√	√	√	929001414280
CertaDrive 34W 0.8A 42V I 230V G2	√	√	√	929001414380
CertaDrive 38W 0.9A 42V I 230V G2	√	√	√	929001414480
CertaDrive 44W 1.05A 42V I 230V G2	√	√	√	929001414580

* Check the indoor point driver portfolio on page 76–88 for all available drivers with the operating window you need.

** For more & latest combination, please always check the Easy Design-in Tool.

Fortimo SLM Holders

Fortimo LED SLM Gen6 CoBs and holders can be ordered separately. This results in even flexibility and an even 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.



Fortimo SLM Holders

Product specifications

Product type	Type	COB Count	LES	Wire Length	Wire type	Product code
				mm2	mm2	12NC
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	12,111,216	L19,L23	n/a	0.3-0.75	929000981203

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 76–84. To find the best driver module combination for your application, the Easy Design-in Tool is available via philips.com/technology. Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED SLM.

Product specifications Product type	COB						Product code 12NC
	1201	1202	1203	1204	1205	1208	
Xitanium 10W/m 0.35A 30V SC 230V		√	√	√			929001412280
Xitanium 16W/m 0.35A 46V SC 230V		√	√	√			929001412380
Xitanium 23W/m 0.5A 46V SC 230V			√	√	√		929001412480
Xitanium 28W/m 0.6A 46V SC 230V			√	√	√	√	929001418706
Xitanium 32W/m 0.7A 46V SC 230V				√	√	√	929001412680
Xitanium 20 W/m 0.15–0.5 A 48 V 230 V		√	√	√			929000893806
Xitanium 36W/m 0.3–1.05A 48V 230V			√	√	√	√	929000881806
Xitanium 15W 0.35A 42V I 230V		√	√	√			929001410180
Xitanium 21W 0.5A 42V I 230V			√	√	√		929001410280
Xitanium 27W 0.6/0.65A 42V I 230V G2			√	√	√	√	929001418280
Xitanium 32W 0.7/0.75A 42V I 230V G2				√	√	√	929001418380
Xitanium 36W 0.8/0.85A 42V I 230V G2				√	√	√	929001418580
Xitanium 40W 0.9/0.95A 42V I 230V G2						√	929001419380
Xitanium 44W 1.0 1.05A 42V I 230V G2						√	929001418680
CertaDrive 6W 0.15A 40V LPF I 230V	√	√					929001411780
CertaDrive 8W 0.2A 40V I 230V CN		√					929000956080
CertaDrive 8W 0.2A 40V LPF I 230V		√					929001409980
CertaDrive 10W 0.25A 40V I 230V CN		√	√				929000956180
CertaDrive 10W 0.25A 40V LPF I 230V		√	√				929001410006
CertaDrive 12W 0.3A 40V 230V CN		√	√				929000953580
CertaDrive 12W 0.3A 40V LPF I 230V		√	√				929001409506
CertaDrive 15W 0.35A 42V I 230V			√	√			929000898106
CertaDrive 20W 0.5A 40V I 230V			√	√	√		929000898006
CertaDrive 25W 0.6A 42V I 230V G2			√	√	√	√	929001414180
CertaDrive 30W 0.7A 42V I 230V G2				√	√	√	929001414280
CertaDrive 34W 0.8A 42V I 230V G2					√	√	929001414380
CertaDrive 38W 0.9A 42V I 230V G2					√	√	929001414480
CertaDrive 44W 1.05A 42V I 230V G2					√	√	929001414580

* Check the indoor point driver portfolio on page 76–88 for all available drivers with the operating window you need.

** 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.



CertaFlux SLM holders

Product specifications					
Product type	Type	COB Count	LES	Diameter mm	Product code 12NC
Certaflux SLM H PI 1313	Poke in	1201	L06/L04	30mm	929001431680
Certaflux SLM H PI 1515	Poke in	1202/1203	L06/L09	32mm	929001431780
Certaflux SLM H PI 1818	Poke in	1204/1205/1208	L12/L14	35mm	929001431880
Certaflux SLM H 1818	Wiring	1204/1205/1208	L12/L14	35mm	929001431980

Easily
integrated into
your designs

Downlight Modules

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 an ambiance needs
- Simple and easy to maintain

Applications

- Offices
- Public buildings
- Retail



Fortimo DLM EaseSelect Gen2

Product specifications

Product type	Light Output @ Typical	Module Power @ 230V	Module Efficacy @ Typical	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
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 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
- CRI >80 and perfect colour stability over lifetime
- Color temperatures: 3000K, 4000K, 5000K and 6500K

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



Fortimo DLM Flex Gen2

Product specifications

Product type	Light Output	Module Efficacy @ Low-housing	Module Efficacy @ High-housing	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	lm/W	lm/W	K	Ra	SDCM	°C	hrs	12NC
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

* Module efficacy is calculated for the typical lm output. For more detailed specifications (including lifetime) please check the datasheets or the Easy Design-in Tool

Accessories

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

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 page 76-84. To find the best driver module combination for your application, the "Easy Design-in Tool" is available via www.apr.easydesignintool.philips.com. Below table shows which Xitanium LED driver window is compatible by default with Fortimo LED DLM.

Product specifications

Product type	1100lm	2000lm	3000lm	5000lm	Product code
Smart Point LED Drivers					
Xitanium 20W WH 0.15-0.5A 54V TD/Is 230V	√	√			929000991706
Xitanium 36W/m 0.3-1.05A 54V TD 230V	√	√	√	√	929000969906
Xitanium 36W WH 0.3-1A 48V TD/Is 230V	√	√	√	√	929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V			√	√	929000904106
Fixed Point LED Drivers					
Xitanium 20W WH 0.15-0.5A 54V Is	√	√			929001413906
Xitanium 20W WH 0.15-0.5A 54V S	√	√			929001416506
Xitanium 20W/m 0.15-0.5A 48V 230V	√	√			929000893806
Xitanium 20W/m 0.15-0.5A 54V 230V	√	√			929001415006
Xitanium 36W/m 0.3-1.05A 48V 230V	√	√	√	√	929000881806
Xitanium 36W WH 0.3-1.05A 54V Is	√	√	√	√	929001414006
Xitanium 36W WH 0.3-1.05A 54V S	√	√	√	√	929001416606
Xitanium 36W/m 0.3-1.05A 54V 230V	√	√	√	√	929001415106
Xitanium 43W/m 0.7-1.2A 54V 230V			√	√	929001415206
Xitanium 50W WH 0.7-1.5A 54V Is			√	√	929001416806
Xitanium 50W/m 0.7-1.5A 54V 230V			√	√	929001415306
Xitanium 50W/m 0.7-1.5A 48V 230V			√	√	929000934606
Xitanium 50W WH 0.7-1.5A 54V S			√	√	929001415306
Fixed Peak Point LED Drivers					
CertaDrive 15W 0.35A 42V I 230V	√				929000898106
CertaDrive 20W 0.5A 40V I 230V		√			929000898006
CertaDrive 30W 0.7A 42V I 230V G2			√		929001414280
CertaDrive 44W 1.05A 42V I 230V G2				√	929001414580
Xitanium 15W 0.35A 42V I 230V	√				929001410180
Xitanium 21W 0.5A 42V I 230V		√			929001410280
Xitanium 32W 0.7/0.75A 42V I 230V G2			√		929001418380
Xitanium 44W 1.0/1.05A 42V I 230V G2				√	929001418680

* Check the indoor point driver portfolio on page 76-88 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 integrated with optical and heatsink which help to make the product extremely easy to use. Optimized diffuser gives uniform light. Whole portfolio is fully compatible 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



4 inch

6 inch

8 inch

CertaFlux DLM Slim

Product specifications

Product type	Light Output	Module Power	Module Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	lm	W	lm/W	K	Ra	SDCM	°C	hrs	12NC
CertaFlux DLM Slim 600lm 830 4"	630	6.9	91	~3000	> 80	6	70	> 25,000	929001443280
CertaFlux DLM Slim 600lm 840 4"	640	6.9	92	~4000	> 80	6	70	> 25,000	929001443380
CertaFlux DLM Slim 600lm 850 4"	640	6.9	92	~5000	> 80	6	70	> 25,000	929001443480
CertaFlux DLM Slim 600lm 865 4"	640	6.9	92	~6500	> 80	6	70	> 25,000	929001462280
CertaFlux DLM Slim 1000lm 830 4"	980	10	98	~3000	> 80	6	80	> 25,000	929001443580
CertaFlux DLM Slim 1000lm 840 4"	1040	10	104	~4000	> 80	6	80	> 25,000	929001443680
CertaFlux DLM Slim 1000lm 850 4"	1040	10	104	~5000	> 80	6	80	> 25,000	929001443780
CertaFlux DLM Slim 1000lm 865 4"	1040	10	104	~6500	> 80	6		> 25,000	929001462380
CertaFlux DLM Slim 1000lm 830 6"	1070	10.2	105	~3000	> 80	6	70	> 25,000	929001443880
CertaFlux DLM Slim 1000lm 840 6"	1150	10.2	113	~4000	> 80	6	70	> 25,000	929001443980
CertaFlux DLM Slim 1000lm 850 6"	1150	10.2	113	~5000	> 80	6	70	> 25,000	929001444080
CertaFlux DLM Slim 1000lm 865 6"	1150	10.2	113	~6500	> 80	6		> 25,000	929001462480
CertaFlux DLM Slim 2000lm 830 6"	2010	20.6	97	~3000	> 80	6	80	> 25,000	929001444180
CertaFlux DLM Slim 2000lm 840 6"	2140	20.6	104	~4000	> 80	6	80	> 25,000	929001444280
CertaFlux DLM Slim 2000lm 850 6"	2140	20.6	104	~5000	> 80	6	80	> 25,000	929001444380
CertaFlux DLM Slim 2000lm 865 6"	2140	20.6	104	~6500	> 80	6		> 25,000	929001462580
CertaFlux DLM Slim 2000lm 830 8"	2000	16.9	119	~3000	> 80	6	70	> 25,000	929001444480
CertaFlux DLM Slim 2000lm 840 8"	2130	16.9	126	~4000	> 80	6	70	> 25,000	929001444580
CertaFlux DLM Slim 2000lm 850 8"	2100	16.9	130	~5000	> 80	6	70	> 25,000	929001444680
CertaFlux DLM Slim 2000lm 865 8"	2100	16.9	130	~6500	> 80	6	70	> 25,000	929001462680

* 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 type	600lm 4"	1000lm 4"	1000lm 6"	2000lm 6"	2000lm 8"	Product code
12NC						
CertaDrive 6W 0.15A 40V LPF I 230V	√					929001411780
CertaDrive 8W 0.2A 40V LPF I 230V	√					929001409980
CertaDrive 10W 0.25A 40V LPF I 230V		√	√			929001410006
CertaDrive 12W 0.3A 40V LPF I 230V		√	√			929001409506
CertaDrive 15W 0.35A 42V I 230V			√			929000898106
CertaDrive 20W 0.5A 40V I 230V				√	√	929000898006
CertaDrive 8W 0.2A 40V I 230V	√					929000956080
CertaDrive 15W 0.35A 42V I 230V						929000898106
CertaDrive 25W 0.6A 42V I 230V				√	√	929001414180
CertaDrive 30W 0.7A 42V I 230V				√	√	929001414280
Xitanium 20W WH 0.15 -0.5A 54V TD/Is 230V	√	√	√	√	√	929000991706
Xitanium 36W WH 0.3-1A 54V TD/Is 230V		√	√	√	√	929000969906
Xitanium 36W/m 0.3-1.05A 54V TD 230V			√	√	√	929001419106

* For latest compatible driver list, please always help to check with local sales team



ultimate shopping experience

Retail display lighting

Lighting products, brightening faces

Philips InteGrade

InteGrade LED system Gen3 - premium white range

The InteGrade LED system Gen3 has been designed for ultimate product attractiveness through a combination of a superior light quality, best light distribution and state-of-the-art efficacy. This range offers two color ranges: premium white and standard white. The premium white color range offers an optimized color spectrum, enabling enhanced white performance and astonishing lively rich colors for superior visual display of the merchandise with typical CRI 93. It also provides an outstanding efficacy of up to 125 lm/W to enable lower power consumption. The standard color range enables product colors to look natural by means of its specially-formulated CRI 90 LEDs, including the food version featuring a single color line of light.

The third generation of the very successful InteGrade range includes a brand new canopy version featuring a slim and miniaturized design with a breakthrough optical design for perfect uniform light distribution in the chillers. Furthermore, a new InteGrade engine and narrow beam vision fixture provides higher lumen levels while maintaining a slim design. That makes it suitable for aesthetic integration in, for example, chiller doors, where there is no room to place a sizable lighting solution. What's more, the InteGrade high flux is available in premium white to combine the best of both worlds: high flux with premium white takes the product visibility and product attractiveness to the ultimate level, and stimulates the desire to buy.

An ultimate shopping experience can be created by combining the InteGrade LED premium white and existing premium white spotlighting solutions, for one look and feel in the store. 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, fixtures, accessories like mounting profiles, mounting clips, power cables, and constant voltage LED drivers, the InteGrade LED system Gen3 offers maximum design flexibility and plug and play simplicity. So you can create a vast variety of innovative systems with style, modernity and functionality.



For shelf lighting

InteGrade engine value premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine Va 140mm 930 PW G3	0.8	85	93	3000	929001567506
InteGrade engine Va 575mm 930 PW G3	3.4	380	93	3000	929001567606
InteGrade engine Va 855mm 930 PW G3	4.9	550	93	3000	929001567706
InteGrade engine Va 1150mm 930 PW G3	6.7	760	93	3000	929001567806
InteGrade engine Va 140mm 940 PW G3	0.8	90	93	4000	929001567906
InteGrade engine Va 575mm 940 PW G3	3.4	420	93	4000	929001568006
InteGrade engine Va 855mm 940 PW G3	4.9	600	93	4000	929001568106
InteGrade engine Va 1150mm 940 PW G3	6.7	840	93	4000	929001568206

* Correlated color temperature within 5 SDCM range
PW: premium white

InteGrade engine vision premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine Vi 140mm 930 PW G3	1.6	170	93	3000	929001568306
InteGrade engine Vi 575mm 930 PW G3	6.9	750	93	3000	929001568406
InteGrade engine Vi 855mm 930 PW G3	10.1	1090	93	3000	929001568506
InteGrade engine Vi 1150mm 930 PW G3	13.8	1500	93	3000	929001568606
InteGrade engine Vi 140mm 940 PW G3	1.6	180	93	4000	929001568706
InteGrade engine Vi 575mm 940 PW G3	6.9	800	93	4000	929001568806
InteGrade engine Vi 855mm 940 PW G3	10.1	1160	93	4000	929001568906
InteGrade engine Vi 1150mm 940 PW G3	13.8	1600	93	4000	929001569006

* Correlated color temperature within 5 SDCM range
PW: premium white

For canopy lighting

InteGrade engine uniform beam value premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine UB Va 855mm 930 PW G3	9.6	940	93	3000	929001626606
InteGrade engine UB Va 1150mm 930 PW G3	12.8	1250	93	3000	929001626806
InteGrade engine UB Va 855mm 940 PW G3	9.6	1025	93	4000	929001626706
InteGrade engine UB Va 1150mm 940 PW G3	12.8	1350	93	4000	929001626906

* Correlated color temperature within 5 SDCM range
PW: premium white

InteGrade engine uniform beam vision premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine UB Vi 140mm 930 PW G3	2.5	250	93	3000	929001572506
InteGrade engine UB Vi 575mm 930 PW G3	10	1000	93	3000	929001569706
InteGrade engine UB Vi 855mm 930 PW G3	15	1500	93	3000	929001569806
InteGrade engine UB Vi 1150mm 930 PW G3	20	2000	93	3000	929001569906
InteGrade engine UB Vi 140mm 940 PW G3	2.5	280	93	4000	929001572606
InteGrade engine UB Vi 575mm 940 PW G3	10	1100	93	4000	929001570006
InteGrade engine UB Vi 855mm 940 PW G3	15	1650	93	4000	929001570106
InteGrade engine UB Vi 1150mm 940 PW G3	20	2200	93	4000	929001570206

* Correlated color temperature within 5 SDCM range
PW: premium white

Philips InteGrade

For chillers with doors



InteGrade engine narrow beam value premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine NB Va 140mm 930 PW G3	1	115	93	3000	929001569106
InteGrade engine NB Va 575mm 930 PW G3	4.5	500	93	3000	929001569206
InteGrade engine NB Va 1430mm 930 PW G3	11	1230	93	3000	929001569306
InteGrade engine NB Va 140mm 940 PW G3	1	120	93	4000	929001569406
InteGrade engine NB Va 575mm 940 PW G3	4.5	530	93	4000	929001569506
InteGrade engine NB Va 1430mm 940 PW G3	11	1300	93	4000	929001569606

* Correlated color temperature within 5 SDCM range
PW: premium white

InteGrade engine narrow beam vision premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine NB Vi 140mm 930 PW G3	2.7	280	93	3000	929001605406
InteGrade engine NB Vi 575mm 930 PW G3	10.9	1146	93	3000	929001681106
InteGrade engine NB Vi 1430mm 930 PW G3	27.2	2850	93	3000	929001571706
InteGrade engine NB Vi 140mm 940 PW G3	2.7	300	93	4000	929001605506
InteGrade engine NB Vi 575mm 940 PW G3	10.9	1200	93	4000	929001681206
InteGrade engine NB Vi 1430mm 940 PW G3	27.2	3100	93	4000	929001571806

* Correlated color temperature within 5 SDCM range
PW: premium white

InteGrade fixture narrow beam value premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade F NB Va 1500mm 930 PW SD G3	11	1230	93	3000	929001572006
InteGrade F NB Va 1500mm 930 PW CTR G3	22	2460	93	3000	929001572106
InteGrade F NB Va 1500mm 940 PW SD G3	11	1300	93	4000	929001572206
InteGrade F NB Va 1500mm 940 PW CTR G3	22	2600	93	4000	929001572306

* Correlated color temperature within 5 SDCM range
PW: premium white

InteGrade fixture narrow beam vision premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade F NB Vi 1500mm 930 PW SD G3	26.2	2850	93	3000	929001570306
InteGrade F NB Vi 1500mm 930 PW CTR G3	52.4	5700	93	3000	929001570406
InteGrade F NB Vi 1500mm 940 PW SD G3	26.3	3100	93	4000	929001570506
InteGrade F NB Vi 1500mm 940 PW CTR G3	52.6	6200	93	4000	929001570606

* Correlated color temperature within 5 SDCM range
PW: premium white

InteGrade engine vision Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine Vi 855mm 935 G3	10.1	990	90	3500	929001641606
InteGrade engine Vi 1150mm 935 G3	13.8	1365	90	3500	929001641706
InteGrade engine Vi 140mm 940 G3	1.7	180	90	4000	929001576206
InteGrade engine Vi 575mm 940 G3	7.3	800	90	4000	929001576306
InteGrade engine Vi 855mm 940 G3	10.7	1160	90	4000	929001576406
InteGrade engine Vi 1150mm 940 G3	14.6	1600	90	4000	929001576506
InteGrade engine Vi 140mm 956 G3	1.9	200	90	5600	929001618306
InteGrade engine Vi 575mm 956 G3	7.4	800	90	5600	929001618406
InteGrade engine Vi 855mm 956 G3	11.1	1200	90	5600	929001618506
InteGrade engine Vi 1150mm 956 G3	14.9	1600	90	5600	929001618606
InteGrade engine Vi 140mm WWR G3	1.5	150	90	-	929001576606
InteGrade engine Vi 575mm WWR G3	6.6	650	90	-	929001576706
InteGrade engine Vi 855mm WWR G3	9.7	950	90	-	929001576806
InteGrade engine Vi 1150mm WWR G3	13.2	1300	90	-	929001576906
InteGrade engine Vi 855mm XR G3	9.8	790	80	-	929001494906
InteGrade engine Vi 1150mm XR G3	13.4	1060	80	-	929001495006

* Correlated color temperature within 5 SDCM range
WWR: warm white red

For canopy lighting

InteGrade engine uniform beam value Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine UB Va 855mm 930 G3	9.4	890	90	3000	929001603706
InteGrade engine UB Va 1150mm 930 G3	13	1200	90	3000	929001603806
InteGrade engine UB Va 855mm 940 G3	9.4	970	90	4000	929001603906
InteGrade engine UB Va 1150mm 940 G3	13	1300	90	4000	929001604006
InteGrade engine UB Va 855mm WWR G3	7.9	700	90	-	929001604106
InteGrade engine UB Va 1150mm WWR G3	11	900	90	-	929001604206

* Correlated color temperature within 5 SDCM range
WWR: warm white red

InteGrade engine uniform beam vision Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine UB Vi 140mm 930 G3	2.6	240	90	3000	929001578506
InteGrade engine UB Vi 575mm 930 G3	10	950	90	3000	929001578606
InteGrade engine UB Vi 855mm 930 G3	15	1450	90	3000	929001578706
InteGrade engine UB Vi 1150mm 930 G3	20	1950	90	3000	929001578806
InteGrade engine UB Vi 140mm 935 G3	2.4	245	90	3500	929001642106
InteGrade engine UB Vi 575mm 935 G3	9.6	990	90	3500	929001642006
InteGrade engine UB Vi 855mm 935 G3	14.4	1500	90	3500	929001641906
InteGrade engine UB Vi 1150mm 935 G3	19.2	1975	90	3500	929001641806
InteGrade engine UB Vi 140mm 940 G3	2.6	260	90	4000	929001578906
InteGrade engine UB Vi 575mm 940 G3	10	1050	90	4000	929001579006
InteGrade engine UB Vi 855mm 940 G3	15	1600	90	4000	929001579106
InteGrade engine UB Vi 1150mm 940 G3	20	2100	90	4000	929001579206
InteGrade engine UB Vi 1150mm 956 G3	21.7	2200	90	5600	929001498206
InteGrade engine UB Vi 140mm WWR G3	1.9	175	90	-	929001579306
InteGrade engine UB Vi 575mm WWR G3	7.5	700	90	-	929001579406
InteGrade engine UB Vi 855mm WWR G3	11	1050	90	-	929001579506
InteGrade engine UB Vi 1150mm WWR G3	15	1400	90	-	929001579606
InteGrade engine UB Vi 855mm XR G3	11.3	850	80	-	929001680306
InteGrade engine UB Vi 1150mm XR G3	15.0	1150	80	-	929001680406

* Correlated color temperature within 5 SDCM range
WWR: warm white red

Philips InteGrade

InteGrade LED system Gen3 - standard color range

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For shelf lighting

InteGrade engine value Gen3

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine Va 140mm 930 G3	0.9	85	90	3000	929001574606
InteGrade engine Va 575mm 930 G3	3.9	380	90	3000	929001574706
InteGrade engine Va 855mm 930 G3	5.7	550	90	3000	929001574806
InteGrade engine Va 1150mm 930 G3	7.8	760	90	3000	929001574906
InteGrade engine Va 140mm 935 G3	0.8	80	90	3500	929001641006
InteGrade engine Va 575mm 935 G3	3.6	355	90	3500	929001641106
InteGrade engine Va 855mm 935 G3	5.2	510	90	3500	929001641206
InteGrade engine Va 1150mm 935 G3	7.2	710	90	3500	929001641306
InteGrade engine Va 140mm 940 G3	0.9	90	90	4000	929001575006
InteGrade engine Va 575mm 940 G3	3.9	420	90	4000	929001575106
InteGrade engine Va 855mm 940 G3	5.7	600	90	4000	929001575206
InteGrade engine Va 1150mm 940 G3	7.8	840	90	4000	929001575306
InteGrade engine Va 140mm 956 G3	1.0	105	90	5600	929001617906
InteGrade engine Va 575mm 956 G3	3.9	420	90	5600	929001618006
InteGrade engine Va 855mm 956 G3	5.8	630	90	5600	929001618106
InteGrade engine Va 1150mm 956 G3	7.8	840	90	5600	929001618206
InteGrade engine Va 140mm WWR G3	0.7	70	90	-	929001575406
InteGrade engine Va 575mm WWR G3	3.2	310	90	-	929001575506
InteGrade engine Va 855mm WWR G3	4.7	450	90	-	929001575606
InteGrade engine Va 1150mm WWR G3	6.4	620	90	-	929001575706
InteGrade engine Va 855mm XR G3	4.95	380	80	-	929001680106
InteGrade engine Va 1150mm XR G3	6.61	520	80	-	929001680206

* Correlated color temperature within 5 SDCM range
WWR: warm white red

InteGrade engine vision Gen3

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine Vi 140mm 930 G3	1.7	170	90	3000	929001575806
InteGrade engine Vi 575mm 930 G3	7.3	750	90	3000	929001575906
InteGrade engine Vi 855mm 930 G3	10.7	1090	90	3000	929001576006
InteGrade engine Vi 1150mm 930 G3	14.6	1500	90	3000	929001576106
InteGrade engine Vi 140mm 935 G3	1.6	155	90	3500	929001641406
InteGrade engine Vi 575mm 935 G3	6.9	680	90	3500	929001641506

InteGrade engine vision Gen3

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine Vi 855mm 935 G3	10.1	990	90	3500	929001641606
InteGrade engine Vi 1150mm 935 G3	13.8	1365	90	3500	929001641706
InteGrade engine Vi 140mm 940 G3	1.7	180	90	4000	929001576206
InteGrade engine Vi 575mm 940 G3	7.3	800	90	4000	929001576306
InteGrade engine Vi 855mm 940 G3	10.7	1160	90	4000	929001576406
InteGrade engine Vi 1150mm 940 G3	14.6	1600	90	4000	929001576506
InteGrade engine Vi 140mm 956 G3	1.9	200	90	5600	929001618306
InteGrade engine Vi 575mm 956 G3	7.4	800	90	5600	929001618406
InteGrade engine Vi 855mm 956 G3	11.1	1200	90	5600	929001618506
InteGrade engine Vi 1150mm 956 G3	14.9	1600	90	5600	929001618606
InteGrade engine Vi 140mm WWR G3	1.5	150	90	-	929001576606
InteGrade engine Vi 575mm WWR G3	6.6	650	90	-	929001576706
InteGrade engine Vi 855mm WWR G3	9.7	950	90	-	929001576806
InteGrade engine Vi 1150mm WWR G3	13.2	1300	90	-	929001576906
InteGrade engine Vi 855mm XR G3	9.8	790	80	-	929001494906
InteGrade engine Vi 1150mm XR G3	13.4	1060	80	-	929001495006

* Correlated color temperature within 5 SDCM range
WWR: warm white red

For canopy lighting

InteGrade engine uniform beam value Gen3

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine UB Va 855mm 930 G3	9.4	890	90	3000	929001603706
InteGrade engine UB Va 1150mm 930 G3	13	1200	90	3000	929001603806
InteGrade engine UB Va 855mm 940 G3	9.4	970	90	4000	929001603906
InteGrade engine UB Va 1150mm 940 G3	13	1300	90	4000	929001604006
InteGrade engine UB Va 855mm WWR G3	7.9	700	90	-	929001604106
InteGrade engine UB Va 1150mm WWR G3	11	900	90	-	929001604206

* Correlated color temperature within 5 SDCM range
WWR: warm white red

InteGrade engine uniform beam vision Gen3

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine UB Vi 140mm 930 G3	2.6	240	90	3000	929001578506
InteGrade engine UB Vi 575mm 930 G3	10	950	90	3000	929001578606
InteGrade engine UB Vi 855mm 930 G3	15	1450	90	3000	929001578706
InteGrade engine UB Vi 1150mm 930 G3	20	1950	90	3000	929001578806
InteGrade engine UB Vi 140mm 935 G3	2.4	245	90	3500	929001642106
InteGrade engine UB Vi 575mm 935 G3	9.6	990	90	3500	929001642006
InteGrade engine UB Vi 855mm 935 G3	14.4	1500	90	3500	929001641906
InteGrade engine UB Vi 1150mm 935 G3	19.2	1975	90	3500	929001641806
InteGrade engine UB Vi 140mm 940 G3	2.6	260	90	4000	929001578906
InteGrade engine UB Vi 575mm 940 G3	10	1050	90	4000	929001579006
InteGrade engine UB Vi 855mm 940 G3	15	1600	90	4000	929001579106
InteGrade engine UB Vi 1150mm 940 G3	20	2100	90	4000	929001579206
InteGrade engine UB Vi 1150mm 956 G3	21.7	2200	90	5600	929001498206
InteGrade engine UB Vi 140mm WWR G3	1.9	175	90	-	929001579306
InteGrade engine UB Vi 575mm WWR G3	7.5	700	90	-	929001579406
InteGrade engine UB Vi 855mm WWR G3	11	1050	90	-	929001579506
InteGrade engine UB Vi 1150mm WWR G3	15	1400	90	-	929001579606
InteGrade engine UB Vi 855mm XR G3	11.3	850	80	-	929001680306
InteGrade engine UB Vi 1150mm XR G3	15.0	1150	80	-	929001680406

* Correlated color temperature within 5 SDCM range
WWR: warm white red

Philips InteGrade

For chillers with doors

InteGrade engine narrow beam value Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine NB Va 140mm 930 G3	1.2	125	90	3000	929001577006
InteGrade engine NB Va 575mm 930 G3	4.8	500	90	3000	929001577106
InteGrade engine NB Va 1430mm 930 G3	11.9	1230	90	3000	929001577206
InteGrade engine NB Va 140mm 940 G3	1.2	130	90	4000	929001577306
InteGrade engine NB Va 575mm 940 G3	4.8	530	90	4000	929001577406
InteGrade engine NB Va 1430mm 940 G3	11.9	1300	90	4000	929001577506
InteGrade engine NB Va 140mm 956 G3	1.1	120	90	5600	929001618706
InteGrade engine NB Va 575mm 956 G3	4.3	480	90	5600	929001618806
InteGrade engine NB Va 1430mm 956 G3	10.7	1200	90	5600	929001618906
InteGrade engine NB Va 140mm WWR G3	1.3	125	90	-	929001577606
InteGrade engine NB Va 575mm WWR G3	5.1	500	90	-	929001577706
InteGrade engine NB Va 1430mm WWR G3	12.7	1230	90	-	929001577806
InteGrade engine NB Va 1430mm XR G3	12.8	1075	80	-	929001680506

* Correlated color temperature within 5 SDCM range
WWR: warm white red

InteGrade fixture narrow beam value Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade F NB Va 1500mm 930 SD G3	11.7	1230	90	3000	929001577906
InteGrade F NB Va 1500mm 930 CTR G3	23.4	2460	90	3000	929001578006
InteGrade F NB Va 1500mm 940 SD G3	11.7	1300	90	4000	929001578106
InteGrade F NB Va 1500mm 940 CTR G3	23.4	2600	90	4000	929001578206
InteGrade F NB Va 1500mm 956 SD G3	10.7	1200	90	5600	929001619006
InteGrade F NB Va 1500mm 956 CTR G3	21.3	2400	90	5600	929001619106
InteGrade F NB Va 1500mm WWR SD G3	12.7	1230	90	-	929001578306
InteGrade F NB Va 1500mm WWR CTR G3	25.5	2460	90	-	929001578406
InteGrade F NB Va 1500mm XR SD G3	12.8	1075	80	-	929001680606
InteGrade F NB Va 1500mm XR CTR G3	25.7	2150	80	-	929001680706

* Correlated color temperature within 5 SDCM range
WWR: warm white red

For canopy and chillers with doors

InteGrade engine high flux Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine HF 140mm WWR G3	4.4	375	90	-	929001622706
InteGrade engine HF 575mm WWR G3	17.5	1500	90	-	929001622806
InteGrade engine HF 1150mm WWR G3	35.1	3000	90	-	929001622906

* Correlated color temperature within 5 SDCM range
WWR: warm white red

Constant voltage drivers recommendation

Plug and play Philips constant voltage drivers

Product name	Product code (12NC)
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

Non-plug and play Philips constant voltage drivers

Product name	Product code (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
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

RDL track system

RDL track

RDL track 1800mm gr	929002113606
RDL track 1200mm gr	929002113706
RDL track 600mm gr	929002113806

Power cables – to connect the RDL track to the driver

InteGrade track powercable 1.5m gr	929002113906
InteGrade track powercable 1.5m gr angle	929002114006

Track cables – to connect the engines to the RDL track

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

Accessories	Product code (12NC)
Clips	
InteGrade mounting clip shelf arm V2	929000957806
InteGrade engine clip shelf arm G2	929001516006
InteGrade engine mounting clip G2	929001516106
InteGrade mounting clip under shelf	929000643903
InteGrade engine clip magnetic	929001624606
InteGrade mounting clip canopy	929001571106
InteGrade engine clip mullion side	929001624506
InteGrade engine clip mullion center	929001624406
InteGrade mounting clip for T style prof	929000853213
Profiles	
InteGrade profile 875mm(34")	929000643413
InteGrade profile 1175mm(46")	929000643313
InteGrade profile 2000mm(79")	929000654413
InteGrade profile 2000mm(79") F style	929000654313
InteGrade profile 2000mm(79") L style	929000654513
InteGrade prof 2000mm(79") T style CTR	929000853013
InteGrade profile 2000mm(79") T style SD	929000853113
InteGrade profile 2356mm (93") M style	929000871313
Power cables – to connect engine to driver	
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
Other accessories	
InteGrade engine lock inline	929000643713
InteGrade connector	929000959106
InteGrade magnet for M style profile	929000871413
InteGrade rotational bracket	929000874613

Philips InteGrade

InteGrade LED system high flux Gen3

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.



For canopy and chillers with doors

InteGrade engine high flux Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, min	K	12NC
InteGrade engine HF 140mm WWR G3	4.4	375	90	-	929001622706
InteGrade engine HF 575mm WWR G3	17.5	1500	90	-	929001622806
InteGrade engine HF 1150mm WWR G3	35.1	3000	90	-	929001622906

* Correlated color temperature within 5 SDCM range

WWR: warm white red

Note: InteGrade high flux engines are not standalone engines and they might need to be integrated with a heatsink for thermal management and to achieve 50,000 hours lifetime.

InteGrade engine high flux premium white Gen3

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
InteGrade engine HF 140mm 930 PW G3	4.4	400	93	3000	929001605606
InteGrade engine HF 575mm 930 PW G3	17.5	1575	93	3000	929001605706
InteGrade engine HF 1150mm 930 PW G3	34.9	3150	93	3000	929001605806
InteGrade engine HF 140mm 940 PW G3	4	400	93	4000	929001605906
InteGrade engine HF 575mm 940 PW G3	16.1	1575	93	4000	929001606006
InteGrade engine HF 1150mm 940 PW G3	32.2	3150	93	4000	929001606106

* Correlated color temperature within 5 SDCM range

PW: premium white

Note: InteGrade high flux engines are not standalone engines and they might need to be integrated with a heatsink for thermal management and to achieve 50,000 hours lifetime.

Constant voltage drivers recommendation

Plug and play Philips constant voltage drivers

Product name	Product code (12NC)
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

Non-plug and play Philips constant voltage drivers

Product name	Product code (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
Xitanium 77W 100-277V 3.2A XI077C320V024FNSIM *	929001708113
Xitanium 100W 100-277V 4.1A XI100C410V024FNSIM*	929000771913
LED driver outdoor 100W 100-240V 24V**	929000485303

* Only for NAM region

** Only for Japan

Philips CertaFlux



Philips CertaFlux RDL LED system Gen1

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 degradation and color shift over time, so the light remains consistent throughout their long service life.

For shelf lighting



CertaFlux RDL shelf Gen1

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical -10% +20%	CRI, min	K	12NC
CertaFlux RDL shelf 575mm 830 G1	3	370	80	3000	929001665006
CertaFlux RDL shelf 855mm 830 G1	4.7	550	80	3000	929001665106
CertaFlux RDL shelf 1150mm 830 G1	6.2	740	80	3000	929001665206
CertaFlux RDL shelf 575mm 835 G1	3	370	80	3500	929001665306
CertaFlux RDL shelf 855mm 835 G1	4.7	550	80	3500	929001665406
CertaFlux RDL shelf 1150mm 835 G1	6.2	740	80	3500	929001665506
CertaFlux RDL shelf 575mm 840 G1	3	370	80	4000	929001665606
CertaFlux RDL shelf 855mm 840 G1	4.7	550	80	4000	929001665706
CertaFlux RDL shelf 1150mm 840 G1	6.2	740	80	4000	929001665806
CertaFlux RDL shelf 575mm MC G1	3	278	80	-	929001665906
CertaFlux RDL shelf 855mm MC G1	4.7	413	80	-	929001666006
CertaFlux RDL shelf 1150mm MC G1	6.2	555	80	-	929001666106

* Correlated color temperature within 5 SDCM range
MC: meat color

For canopy lighting



CertaFlux RDL canopy Gen1

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical -10% +20%	CRI, min	K	12NC
CertaFlux RDL canopy 575mm 830 G1	8.6	1000	80	3000	929001667406
CertaFlux RDL canopy 855mm 830 G1	12.9	1500	80	3000	929001667506
CertaFlux RDL canopy 1150mm 830 G1	17.2	2000	80	3000	929001667606
CertaFlux RDL canopy 575mm 835 G1	8.6	1000	80	3500	929001667706
CertaFlux RDL canopy 855mm 835 G1	12.9	1500	80	3500	929001667806
CertaFlux RDL canopy 1150mm 835 G1	17.2	2000	80	3500	929001667906
CertaFlux RDL canopy 575mm 840 G1	8.6	1000	80	4000	929001668006
CertaFlux RDL canopy 855mm 840 G1	12.9	1500	80	4000	929001668106
CertaFlux RDL canopy 1150mm 840 G1	17.2	2000	80	4000	929001668206
CertaFlux RDL canopy 575mm MC G1	8.6	700	80	-	929001668306
CertaFlux RDL canopy 855mm MC G1	12.9	1050	80	-	929001668406
CertaFlux RDL canopy 1150mm MC G1	17.2	1400	80	-	929001668506

* Correlated color temperature within 5 SDCM range
MC: meat color

For chillers with doors



CertaFlux RDL vertical with glareshield Gen1

Product specification					
Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical -10% +20%	CRI, min	K	12NC
CertaFlux RDL vrt 1500mm 830 SD WGS G1	9.4	1155	80	3000	929001666206
CertaFlux RDL vrt 1500mm 830 CTR WGS G1	19.8	2420	80	3000	929001666506
CertaFlux RDL vrt 1500mm 840 SD WGS G1	9.4	1155	80	4000	929001666306
CertaFlux RDL vrt 1500mm 840 CTR WGS G1	19.8	2420	80	4000	929001666606
CertaFlux RDL vrt 1500mm MC SD WGS G1	12.8	1090	80	-	929001666406
CertaFlux RDL vrt 1500mm MC CTR WGS G1	26.5	2260	80	-	929001666706
CertaFlux RDL vrt 1650mm 830 SD WGS G1	10.8	1270	80	3000	929001666806
CertaFlux RDL vrt 1650mm 830 CTR WGS G1	21.6	2640	80	3000	929001667106
CertaFlux RDL vrt 1650mm 840 SD WGS G1	10.8	1270	80	4000	929001666906
CertaFlux RDL vrt 1650mm 840 CTR WGS G1	21.6	2640	80	4000	929001667206
CertaFlux RDL vrt 1650mm MC SD WGS G1	14.2	1200	80	-	929001667006
CertaFlux RDL vrt 1650mm MC CTR WGS G1	28.9	2480	80	-	929001667306

* Correlated color temperature within 5 SDCM range
MC: meat color

Constant voltage drivers recommendation

Plug and play Philips constant voltage drivers

Product name	Product code (12NC)
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

Non-plug and play Philips constant voltage drivers

Product name	Product code (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
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

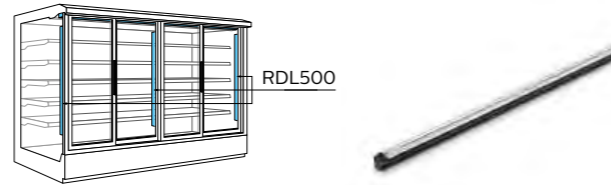
RDL track system

RDL track	
RDL track 1800mm gr	929002113606
RDL track 1200mm gr	929002113706
RDL track 600mm gr	929002113806
Power cables – to connect the RDL track to the driver	
InteGrade track powercable 1.5m gr	929002113906
InteGrade track powercable 1.5m gr angle	929002114006
Track cables – to connect the engines to the RDL track	
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

Philips PrimeSet

Philips PrimeSet RDL 500/510 LED system Gen1

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.



RDL500

Value

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
PrimeSet RDL 500 1200 mm (47") 841 G1	7.9	900	85	4100	929000891106
PrimeSet RDL 500 1200 mm (47") 856 G1	9	1000	85	5600	929000891006
PrimeSet RDL 500 1500 mm (59") 841 G1	9.9	1200	85	4100	929000890706
PrimeSet RDL 500 1500 mm (59") 856 G1	11.7	1300	85	5600	929000890606
PrimeSet RDL 500 1700 mm (67") 841 G1	11	1300	85	4100	929000890306
PrimeSet RDL 500 1700 mm (67") 856 G1	12.9	1400	85	5600	929000890206

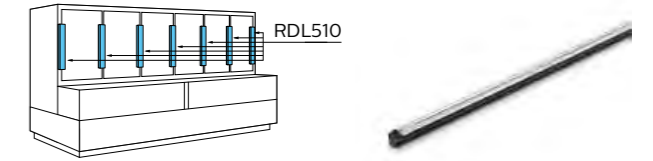
* Correlated color temperature within 5 SDCM range

Vision

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
PrimeSet RDL 500 Vision 1200 mm (47") 841 G1	15.4	1900	85	4100	929001501806
PrimeSet RDL 500 Vision 1200 mm (47") 856 G1	17	2000	85	5600	929001501906
PrimeSet RDL 500 Vision 1500 mm (59") 841 G1	19.4	2200	85	4100	929000934106
PrimeSet RDL 500 Vision 1500 mm (59") 856 G1	22	2400	85	5600	929000934006
PrimeSet RDL 500 Vision 1700 mm (67") 841 G1	21.9	2500	85	4100	929000933906
PrimeSet RDL 500 Vision 1700 mm (67") 856 G1	24.7	2700	85	5600	929000933806

* Correlated color temperature within 5 SDCM range



RDL510

Vision

Product specification

Product name	Power consumption	Lumen	Color rendering index	Correlated color temperature*	Product code
	W, typical ± 20%	lm, typical ± 20%	CRI, typical	K	12NC
PrimeSet RDL 510 Vision 750 mm (30") 841 G1	9.3	1100	85	4100	929000934506
PrimeSet RDL 510 Vision 750 mm (30") 856 G1	10.2	1200	85	5600	929000934406
PrimeSet RDL 510 Vision 850 mm (33") 841 G1	10.8	1300	85	4100	929001502006
PrimeSet RDL 510 Vision 850 mm (33") 856 G1	12	1400	85	5600	929001502106
PrimeSet RDL 510 Vision 950 mm (37") 841 G1	11.8	1400	85	4100	929000934306
PrimeSet RDL 510 Vision 950 mm (37") 856 G1	12.9	1500	85	5600	929000934206

* Correlated color temperature within 5 SDCM range

Constant voltage drivers recommendation

Philips constant voltage drivers

Product name	Product code (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
Xitanium 77W 100-277V 3.2A XI077C320V024FNSIM *	929001708113
Xitanium 100W 100-277V 4.1A XI100C410V024FNSIM*	929000771913
LED driver outdoor 100W 100-240V 24V**	929000485303

* Only for NAM region

** Only for Japan

Accessories

Profiles	Product code (12NC)
PrimeSet RDL-mount prof CTR 750mm	929000894006
PrimeSet RDL-mount prof CTR 850mm	929001507306
PrimeSet RDL-mount prof CTR 950mm	929000894106
PrimeSet RDL-mount prof CTR 1200mm	929000894206
PrimeSet RDL-mount prof CTR 1500mm	929000894306
PrimeSet RDL-mount prof CTR 1700mm	929000894406
PrimeSet RDL-mount prof SD 750mm	929000894706
PrimeSet RDL-mount prof SD 850mm	929001507406
PrimeSet RDL-mount prof SD 950mm	929000894806
PrimeSet RDL-mount prof SD 1200mm	929000894906
PrimeSet RDL-mount prof SD 1500mm	929000895006
PrimeSet RDL-mount prof SD 1700mm	929000895106
PrimeSet RDL-mount prof CTR 1200mm-47" B*	929000897706
PrimeSet RDL-mount prof CTR 1500mm-59" B*	929000894506
PrimeSet RDL-mount prof CTR 1700mm-67" B*	929000894606
PrimeSet RDL-mount prof SD 1200mm-47" B*	929000897806
PrimeSet RDL-mount prof SD 1500mm-59" B*	929000895206
PrimeSet RDL-mount prof SD 1700mm-67" B*	929000895306
Power cables - to connect engine to driver	
PrimeSet RDL - centre cable 1m (39") B	929000892706
PrimeSet RDL - side cable 1m (39") B	929000892806
PrimeSet RDL - centre cable 2.5m (98") B	929000957206
PrimeSet RDL - side cable 2.5m (98") B	929000957306

* Only for NAM region



CertaDrive LED drivers

Philips constant voltage Certadriver drivers are built-in drivers specifically designed for indoor applications to enable lowest initial cost with required performance.

Product specification

Product name	Nominal voltage	Mains frequency	Dimensions	Nominal output voltage	Nominal output power	Ambient temperature range	Protection class	IP rated	Product code
	Vac	Hz	HxWxL (mm)	VDC	W	°C			12NC
CertaDrive 35W 24VDC 220-240V	220-240	0/50/60	28x40x150	24	35	-20...+50	I/II	40	929001424006
CertaDrive 60W 24VDC 220-240V	220-240	0/50/60	32x52x180	24	60	-20...+50	I/II	40	929001424106
CertaDrive 100W 24VDC 220-240V	220-240	0/50/60	32x40x280	24	100	-20...+50	I/II	40	929001424206
CertaDrive 120W 24VDC 220-240V	220-240	0/50/60	34x40x280	24	120	-20...+50	I/II	40	929001424306



IP67 LED transformers

Philips constant voltage IP67 LED transformers are independent drivers specifically designed for outdoor applications to ensure the highest performance with maximum robustness combined with a long lifetime.

Product specification

Product name	Nominal voltage	Mains frequency	Dimensions	Nominal output voltage	Nominal output power	Ambient temperature range	Protection class	IP rated	Product code
	Vac	Hz	HxWxL (mm)	VDC	W	°C			12NC
LED transformer 150W IP67 24VDC 220-240V	220-240	0/50/60	45X68X250	24	150	-40...+55	I	67	929001485580
LED transformer 300W IP67 24VDC 220-240V	220-240	0/50/60	45X68X250	24	300	-40...+50	I	67	



Dimmable LED transformers with DALI 2.0 control interface and Touch and Dim interface

Philips constant voltage DALI LED transformers are independent drivers designed to operate 24 VDC LED solutions with PWM frequency above 2 kHz, DALI 2.0 control interface and Touch and Dim interface used in indoor applications such as retail display lighting, linear accent lighting and decorative lighting.

Product specification

Product name	Nominal voltage	Mains frequency	Dimensions	Nominal output voltage	Nominal output power	Ambient temperature range	Protection class	IP rated	Product code
	Vac	Hz	HxWxL (mm)	VDC	W	°C			12NC
LED transformer 60W 24VDC TD 220-240V	220-240	0/50/60	30x43x225	24	60	-20...+50	II	20	929002200506
LED transformer 100W 24VDC TD 220-240V	220-240	0/50/60	30x43x300	24	100	-20...+50	II	20	929002200606
LED transformer 150W 24VDC TD 220-240V	220-240	0/50/60	30x43x325	24	150	-20...+50	II	20	929002200706



Dimmable Philips constant voltage LED transformers with 1-10 V control interface

Philips constant voltage LED transformers are independent slim drivers designed to operate 24 VDC LED solutions with 1-10 V control interface including dim to OFF used in indoor applications such as retail display lighting, linear accent lighting and decorative lighting.

Product specification

Product name	Nominal voltage	Mains frequency	Dimensions	Nominal output voltage	Nominal output power	Ambient temperature range	Protection class	IP rated	Product code
	Vac	Hz	HxWxL (mm)	VDC	W	°C			12NC
Xi LED transformer 30W 1-10V 24VDC	220-240	0/50/60	16x21.2x300	24	30	-20...+50	II	20	929002825880
Xi LED transformer 60W 1-10V 24VDC	220-240	0/50/60	16x21.2x300	24	60	-20...+50	II	20	929002825980
Xi LED transformer 100W 1-10V 24VDC	220-240	0/50/60	18x21.2x350	24	100	-20...+50	II	20	929002826080
Xi LED transformer 150W 1-10V 24VDC	220-240	0/50/60	18x30x350	24	150	-20...+50	II	20	929002826180
Xi LED transformer 250W 1-10V 24VDC	220-240	0/50/60	22x40x400	24	250	-20...+50	II	20	929002826280



Support
project and
high volume trade
LED luminaires
businesses

Linear drivers

Create
the office of
the future

Portfolio

Indoor Linear Driver	Dimming		Basic Features and Performances		
	Dali Dim	1-10V	MultiOne Programmable	Adjust Output Current	Driver lifetime (hours)
Statement	Yes	No	Yes	Yes	100,000
Performance	No	Yes	No	Yes	100,000
Core	No	Yes	No	No	50,000-100,000
Entry	No	No	No	No	30,000-50,000



Xitanium LED linear drivers - SR

Because light is all around us, the lighting infrastructure is an ideal platform for collecting and carrying information. This is the driving force behind connected lighting. Our non-isolated SR drivers have been upgraded and are now D4i compliant. D4i brings standardization to intra-luminaire DALI and defines how data relevant for connected lighting networks is stored and communicated. D4i extends the existing DALI-2 program by adding a standard for power supply to control devices such as sensors (DALI part 250). It also standardizes how drivers store and report data, including luminaire info (DALI part 251), energy metering (DALI part 252) and diagnostics (DALI part 253). This standardization makes it easier for luminaire manufacturers to create luminaires that can easily be integrated in connected lighting systems.

For more information go to philips.com/xitaniumsr



SR bridge (can be used in combination with all indoor DALI drivers, including point source drivers)

Product name	Housing	Dimming range	Output power range	Output current range	Output voltage range	Energy metering accuracy	SimpleSet	Product code
	mm	%	W	A	V	%		12NC
Xitanium SR bridge built-in	204x30x21	n.a.	n.a.	n.a.	n.a.	4	n.a.	929001546406
Xitanium SR bridge independent	228x30x21	n.a.	n.a.	n.a.	n.a.	4	n.a.	929001546506

SR non-isolated FlexTune drivers - for tunable white applications

Product name	Housing	Dimming range	Output power range	Output current range	Output voltage range	Energy metering accuracy	SimpleSet	Product code
	mm	%	W	A	V	%		12NC
Xi 36W 0.08-0.4A 220V SR FlexTune 230V	360x30x21	100-1	10-36	0.08-0.4	50-220	4	√	929001693706
Xi 75W 0.15-0.7A 220V SR FlexTune 230V	360x30x21	100-1	21-75	0.15-0.7	50-220	4	√	929001693806

SR non-isolated drivers

Product name	Housing	Dimming range	Output power range	Output current range	Output voltage range	Energy metering accuracy	SimpleSet	Product code
	mm	%	W	A	V	%		12NC
Xitanium 35W 0.08-0.35A 150V SR 230V	360x30x21	100-1	10-35	0.08-0.35	50-150	4	√	929001695306
Xitanium 60W 0.08-0.35A 220V SR 230V	360x30x21	100-1	17-60	0.08-0.35	50-220	4	√	929001695406
Xitanium 60W 0.08-0.35A 300V SR 230V	360x30x21	100-1	17-60	0.08-0.35	100-300	4	√	929001695506
Xitanium 100W 0.25-0.7A 220V SR 230V iXt	360x30x21	100-1	28-100	0.25-0.27	50-220	4	√	929001695606

SR non-isolated - for industry applications

Product name	Housing	Dimming range	Output power range	Output current range	Output voltage range	Energy metering accuracy	SimpleSet	Product code
	mm	%	W	A	V	%		12NC
Xitanium 100W 0.15-0.5A 300V SR 230V iXt	425x30x21	100-1	28-100	0.15-0.5	100-300	4	√	929001695706
Xitanium 150W 0.2-0.7A 300V SR 230V iXt	425x30x21	100-1	43-150	0.2-0.7	100-300	4	√	929001695806

SR isolated drivers

Product name	Housing	Dimming range	Output power range	Output current range	Output voltage range	Energy metering accuracy	SimpleSet	Product code
	mm	%	W	A	V	%		12NC
Xitanium 36W 0.3-1A_54V SR 230V	360x30x21	100-1	10-36	0.3-1	27-54	4	√	929001516306
Xitanium 75W 0.7-2.0A 54V SR 230V	360x30x21	100-1	21-75	0.7-2	27-54	4	√	929001505006

Xitanium LED linear drivers - YellowDot

YellowDot is a luminaire certification program that allows any manufacturer to test and certify that their LED luminaires are interoperable with our indoor positioning technology. This smart technology allows shoppers and store staff to receive directions to products or location-based notifications. It also collects location-based data analytics to measure marketing impact and assess store operations. To a retailer, this level of customer engagement is invaluable.

If the luminaires pass a range of tests, it permits the manufacturer to apply the YellowDot certified trademark to the product and offer it as such to customers.

We currently offer three YellowDot-ready LED drivers (60, 100 and 150 W non-isolated) for the European market, based on the latest generation of Xitanium drivers.

Contact your account manager to enroll in the YellowDot certification program.



Product specification							
Product name	Housing	Dimming range	Output power range	Output current range	Output voltage range	YellowDot-ready (indoor positioning)	Product code
		%	W	mA	V		12NC
Xitanium 60W 0.08-0.35A 300V TD16CL 230V	280x30x16	100-1	17-60	80-350	100-300	✓	929001616006
Xitanium 100W 0.15-0.5A 300V iXt TDCL 230V	360x30x21	100-1	27-100	150-500	100-300	✓	929001616106
Xitanium 150W 0.2-0.7A 300V iXt TDCL 230V	360x30x21	100-1	43-150	200-700	100-300	✓	929001627406

* Standard features: Input voltage range 170-264 V, Surge protection DM/CM 6/8k V, SimpleSet, DynaDimmer, Module Temperature Protection

Xitanium Programmable

Xitanium LED drivers are designed to operate LED solutions for professional general lighting applications, with non-isolated and isolated drivers to support HV and LV linear systems. Flexibility in luminaire design is assured thanks to an adjustable output current. Application-oriented operating windows offer the flexibility required to provide the stable lumen output and light quality levels that lighting specifiers and architects demand. Reliability is enhanced by specific features that protect the connected LED module, e.g. hot wiring, reduced ripple current and thermal de-rating. With Xitanium programmable indoor linear drivers, it supports light point management and is programmable for all your needs.

Features

- DALI dimming and Programmable
- Isolated (low voltage) and Non-isolated (high voltage) versions available
- Operating windows - output current can be adjusted via SimpleSet and the Philips MultiOne Configurator or with a resistor outside the driver, or via dipperswitches.
- Reduced ripple current and thermal de-rating for increased reliability
- iXt LED-drivers have a Longer life time (100khrs), improved surge and burst (4kV) and Tambient (-40°C to +60°C) specifications
- Central DC operation supported
- Low profile, height down to 11mm for non-isolated drivers

Benefits

- High voltage systems for up to 95% high efficiency, lowest cost and smallest dimensions
- Low voltage systems involve simpler approbation process and ease of design-in
- High reliability underpinned by 5 year warranty
- Future-proof flexibility - application-oriented operating windows enable LED generation and complexity management
- Compatibility - adjustable output current enables operation of various LED solutions from different manufacturers or OEM own designs

- Low ripple for camera and scanner friendly operation
- More robust LED drivers for industry applications
- Flicker and noise free dimming with all Touch and DALI LE drivers due to amplitude dimming (AM)
- Low profile drivers enabling greater luminaire design freedom

Applications

- Office
- Industry
- Retail
- Public buildings (airports, cinemas, theatres, exhibition halls), distribution centers and shopping malls



Product specifications

Product type	Isolate	Output Power	Output Voltage	Uout max	Dimensions	Dimming	Adjustable Output Current	Product code
		W	V	V	mm			12NC
Xitanium 60W 0.15-0.50A 220V TD11 230V	No	17-60	50-220	250	280x30x11	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001627606
Xitanium 35W 0.08-0.35A 220V TD11 230V	No	10-35	50-220	250	280x30x11	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001627706
Xitanium 35W 0.08-0.35A 220V TD16 230V	No	10-35	50-220	250	280x30x16	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001681406
Xitanium 60W 0.08-0.35A 300V TD16 230V	No	17-60	100-300	330	280x30x16	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001681506
Xitanium 60W 0.15-0.5A 220V TD16 230V	No	17-60	50-220	250	280x30x16	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001681606
Xitanium 100W 0.25-0.7A 220V TD16 230V	No	28-100	50-220	250	360x30x16	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001547306
Xitanium 35W 0.08-0.35A 220V TD21 230V	No	10-35	50-220	250	280x30x21	Dali & Touch Dim	MultiOne, LEDSet	929001681706
Xitanium 60W 0.08-0.35A 300V TD21 230V	No	17-60	100-300	330	280x30x21	Dali & Touch Dim	MultiOne, LEDSet	929001681806
Xitanium 60W 0.15-0.5A 220V TD21 230V	No	17-60	50-220	250	280x30x21	Dali & Touch Dim	MultiOne, LEDSet	929001681906
Xitanium 75W 0.12-0.4A 215V TD 230V	No	21-75	100-215	275	360x30x22	Dali & Touch Dim	MultiOne, LEDSet	929000852103
Xitanium 100W 0.15-0.5A 300V iXt TD 230V	No	28-100	100-300	330	360x30x21	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001685606
Xitanium 150W 0.2-0.7A 300V iXt TD 230V	No	43-150	100-300	330	360x30x21	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001685706
Xitanium 300W 0.5-1.4A 300V iXt TD 230V	No	85-300	100-300	330	360x50x28	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001608406
Xitanium 18W 0.1-0.5A 54V TD 230V	Yes	6-18	24-54	60	210x30x21	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001682106
Xitanium 36W 0.3-1A 54V TD 230V	Yes	10-36	27-54	60	360x30x21	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001503606
Xitanium 75W 0.7-2A 54V TD 230V	Yes	21-75	27-54	60	360x30x21	Dali & Touch Dim	MultiOne, SimpleSet, LEDSet	929001503706
Xitanium 32W 0.35-0.7A 46V TD DS 230V I	Yes	12-32.2	23-46	60	215x50.5x30	Dali & Touch Dim	dipperswitch	929002851680
Xitanium 48W 0.7-1.05A 46V TD DS 230V I	Yes	16.1-48.3	23-46	60	215x50.5x30	Dali & Touch Dim	dipperswitch	929002851780

new

Xitanium Adjustable Output Current

Xitanium LED drivers are designed to operate LED solutions for professional general lighting applications, with non-isolated and isolated drivers to support HV and LV linear systems. With Xitanium LED drivers, flexibility in luminaire design is assured thanks to an adjustable output current. Application-oriented operating windows offer the flexibility required to provide the stable lumen output and light quality levels that lighting specifiers and architects demand. Reliability is enhanced by specific features that protect the connected LED module, e.g. hot wiring, reduced ripple current and thermal de-rating.

Features

- Multiple versions - 1-10V dimmable and fixed output, non-isolated and isolated available
- Adjustable output current via a resistor outside the driver or SimpleSet tools
- Reduced ripple current and thermal de-rating for increased reliability
- iXt LED-drivers have a Longer life time (100khrs), improved surge and burst (4kV) and Tambient (-40°C to +60°C) specifications
- Central DC operation supported
- Low profile, height down to 16mm for non-isolated drivers

Benefits

- High voltage systems for up to 95% high efficiency, lowest cost and smallest dimensions
- Low voltage systems involve simpler approbation process and ease of design-in
- High reliability underpinned by 5 year warranty
- Future-proof flexibility - application-oriented operating windows enable LED generation and complexity management
- Compatibility - adjustable output current enables operation of various LED solutions from different manufacturers or OEM own designs

- Low ripple for camera and scanner friendly operation
- Low profile drivers enabling greater luminaire design freedom

Applications

- Office
- Industry
- Retail
- Public buildings (airports, cinemas, theatres, exhibition halls), distribution centers and shopping malls



Product specifications

Product type	Isolate	Output Power W	Output Voltage V	Uout max V	Dimensions mm	Dimming	Adjustable Output Current	Product code 12NC
Xitanium 150W 0.2-0.7A 300V 230V iXt	No	43-150	100-300	330	360x30x21	No	SimpleSet & LEDSet	929001506706
Xitanium 100W 0.15-0.5A 300V 230V iXt	No	28-100	100-300	330	360x30x21	No	SimpleSet & LEDSet	929001506606
Xitanium 75W 0.12-0.4A 220V 1-10V 230V	No	21-75	100-220	250	280x30x21	1-10V	LEDSet	929000953706
Xitanium 36W 0.12-0.4A 115V 1-10V 230V	No	10-36	50-115	170	280x30x21	1-10V	LEDSet	929000953606
Xitanium 75W 0.12-0.4A 220V 230V	No	21-75	100-220	330	280x30x21	No	LEDSet	929000950706
Xitanium 36W 0.12-0.4A 115V 230V	No	10-36	50-115	330	280x30x21	No	LEDSet	929000950606
Xitanium 100W 0.25-0.7A 220V S21 230V	No	28-100	50-220	250	360x30x21	No	SimpleSet	929002116106
Xitanium 60W 0.15-0.5A 220V S16 230V	No	17-60	50-220	250	280x30x16	No	SimpleSet	929002116006
Xitanium 60W 0.08-0.35A 300V S16 230V	No	17-60	100-300	330	280x30x16	No	SimpleSet	929002115906
Xitanium 35W 0.08-0.35A 220V S16 230V	No	10-35	50-220	250	280x30x16	No	SimpleSet	929002115806
Xitanium 90W 0.25-0.7A 220V 21 230V	No	25-90	50-220	250	280x30x21	No	LEDSet	929001694606
Xitanium 60W 0.15-0.5A 220V 21 230V	No	17-60	50-220	250	280x30x21	No	LEDSet	929001694506
Xitanium 60W 0.08-0.35A 300V 21 230V	No	17-60	100-300	330	280x30x21	No	LEDSet	929001694406
Xitanium 35W 0.08-0.35A 220V 21 230V	No	10-35	50-220	250	280x30x21	No	LEDSet	929001694306
Xitanium 75W 0.7-2A 54V 1-10V 230V	Yes	21-75	27-54	60	424x30x26.5	1-10V	LEDSet	929000863503
Xitanium 36W 0.3-1A 54V 1-10V 230V	Yes	10-36	27-54	60	360x30x26.5	1-10V	LEDSet	929000854003
Xitanium 65W 0.5-1.4A 54V S 230V	Yes	18.5-65	27-54	60	360x30x21	No	SimpleSet & LEDSet	929001571506
Xitanium 36W 0.3-1.05A 54V S 230V	Yes	10-36	27-54	60	360x30x21	No	SimpleSet & LEDSet	929001571406
Xitanium 18W 0.1-0.5A 54V S 230V	Yes	6-18	24-54	60	210x30x21	No	SimpleSet & LEDSet	929001487906
Xitanium 75W 0.7-2A 54V 230V	Yes	21-75	27-54	60	360x30x21	No	LEDSet	929001694206
Xitanium 36W 0.3-1A 54V 230V	Yes	11-36	27-54	60	360x30x21	No	LEDSet	929001694106



Xitanium Single Current

Xitanium LED drivers with single current output offer industry leading performance and reliability at optimized cost. They are ideal for high volume applications where performance specification is also very key. These drivers guarantee OEMs Xitanium performance and Philips dependability but with standard current settings.

Features

- Low output current tolerance
- High efficiency
- Small dimensions
- Reduced ripple currents
- Specific current and voltage
- 50,000 hours lifetime
- Low profile, height down to 13mm for isolated drivers

Benefits

- High voltage systems for highest efficiency and lowest cost
- Low voltage systems involve simpler approbation process and ease of design-in
- High reliability underpinned by 5 year warranty
- Easy design in with specific output current settings
- Low profile drivers enabling greater luminaire design freedom
- Low ripple for camera and video friendly operation

Applications

- Office
- Industry
- Retail
- Public buildings (airports, cinemas, theatres, exhibition halls), distribution centers and shopping malls



Product specifications

Product type	Isolate	Output Power W	Output Voltage V	ripple	Dimensions mm	Dimming	Product code 12NC
Xitanium 8W 0.2A 42V 1-10V 230V I	Yes	6-8.4	30-42	<4%	115x45x29	1-10V	929001499680
Xitanium 15W 0.35A 42V 1-10V 230V I	Yes	10.5-14.7	30-42	<4%	115x45x29	1-10V	929001499780
Xitanium 21W 0.5A 42V 1-10V 230V I	Yes	15-21	30-42	<4%	115x45x29	1-10V	929001499880
Xitanium 30W 0.7A 42V 1-10V 230V I	Yes	21-29.4	30-42	<4%	195x41x31	1-10V	929001486280
Xitanium 34W 0.8A 42V 1-10V 230V I	Yes	24-33.6	30-42	<4%	195x41x31	1-10V	929001486380
Xitanium 38W 0.9A 42V 1-10V 230V I	Yes	27-37.8	30-42	<4%	195x41x31	1-10V	929001486480
Xitanium 44W 1.05A 42V 1-10V 230V I	Yes	31.5-44	30-42	<1%	195x41x31	1-10V	929001486580
Xitanium 30W LT 0.7A 42V 230V I	Yes	21-29.4	30-42	<1%	143x54x30	No	929002171080
Xitanium 34W LT 0.8A 42V 230V I	Yes	24-33.6	30-42	<1%	143x54x30	No	929002171180
Xitanium 38W LT 0.9A 42V 230V I	Yes	27-37.8	30-42	<1%	143x54x30	No	929002171280
Xitanium 44W LT 1.05A 42V 230V I	Yes	31.5-44	30-42	<4%	143x54x30	No	929002171380
Xitanium 44W 0.9/1.05A 42V 13 230V	Yes	27-44	30-42	<4%	250x48.6x13	No	929001425480
Xitanium 25W 0.5/0.6A 42V 13 230V	Yes	15-25.2	30-42	<4%	250x48.6x13	No	929001425380
Xitanium 59W 1.2/1.4A 42V 230V	Yes	32.4-58.8	27-42	<4%	280x30x21	No	929001420180
Xitanium 41W 0.5-0.8A 51V DS 230V	Yes	11.5-41	23-51	<4%	188x30x21	No	929002831880
Xitanium 54W 0.9/1.05A 51V DS 230V	Yes	20.7-53.5	23-51	<4%	210x30x21	No	929002831980
Xitanium 72W 1.2/1.4A 51V DS 230V	Yes	27.6-71.4	23-51	<4%	280x30x21	No	929002832080
Xitanium 40W 0.3/0.35A 115V 230V	Yes	21-40	70-115	<4%	211x40x30	No	929001487706

CertaDrive Single Current

CertaDrive LED drivers are designed to fulfill the market needs for essential lighting. They are therefore ideal for high volume applications and can be used with CertaFlux LED modules, or other LED light engines. These drivers offer basic specifications such as specific current and voltage settings, with lifetime of the driver set up to 50,000 hours.

Features

- High efficiency
- Small dimensions
- Specific current and voltage
- Fast Time to Market
- 30,000 to 50,000 hours lifetime

Benefits

- High voltage systems for high efficiency, lowest cost and small dimensions
- Low voltage systems involve simpler approbation process and ease of design-in
- Various power/wattage combination which is easy to design
- Low profile drivers enabling greater luminaire design freedom
- Optimized to operate CertaFlux LED modules
- 3 -years warranty

Applications

- Recessed, surface and suspended luminaires in offices
- Waterproof luminaires and high bay luminaires for industry applications
- Trunking in retail applications



Product specifications

Product type	Isolate	Output Power W	Output Voltage V	Uout max V	Dimensions mm	Ripple	Product code 12NC
CertaDrive 20W 350mA 57V 230V	No	10.5-20	30-57	300	168x30x21	<30%	929002108380
CertaDrive 30W 350mA 85V 230V	No	17.5-30	50-85	300	168x30x21	<30%	929002108480
CertaDrive 40W 350mA 115V 230V	No	24.5-40	70-115	300	168x30x21	<30%	929002108580
CertaDrive 60W 350mA 170V 230V	No	36.8-60	105-170	300	210x30x21	<30%	929002108680
CertaDrive 19W 200-350mA 54V DS 230V	No	6-19	30-54	210	168x30x21	<30%	929002165880
CertaDrive 44W 200-350mA 125V DS 230V	No	14-43.7	70-125	210	168x30x21	<30%	929002165980
CertaDrive 65W 200-350mA 185V DS 230V	No	24-64.7	120-185	250	210x30x21	<30%	929002166080
CertaDrive 41W 0.5-0.8A 51V DS 230V	Yes	11.5-41	23-51	60	210x30x21	<30%	929002141380
CertaDrive 44W 1.05A 42V 230V	Yes	24.1-44	23-42	60	210x30x21	<30%	929002107580
CertaDrive 54W 0.9/1.05A 51V DS 230V	Yes	20.7-53.5	23-51	60	210x30x21	<30%	929002141480
CertaDrive 72W 1.2/1.4A 51V DS 230V	Yes	27.6-71.4	23-51	60	280x30x21	<30%	929002141680
CertaDrive 25W 0.5/0.6A 42V 230V I	Yes	15-25.2	30-42	60	125x45x31.8	<4%	929002804680
CertaDrive 34W 0.7/0.8A 42V 230V I	Yes	21-33.6	30-42	60	125x45x31.8	<4%	929002804780
CertaDrive 44W 0.9/1.05A 42V 230V I	Yes	27-44.1	30-42	60	125x45x31.8	<4%	929002804880

Linear modules

Quality of light
to brighten
up spaces

Enabling
design of high-
performance linear
LED luminaires

Product information Gen5 (LV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	SDCM	hrs	°C	12NC
Low-flux (650 lm per 1 ft / 280 mm)							
Fortimo LED strip 1ft 650lm 830 FC LV5	620	173	>80	3	>60,000	70	929002120406
Fortimo LED strip 1ft 650lm 840 FC LV5	650	181	>80	3	>60,000	70	929002120506
Fortimo LED strip 1ft 650lm 927 FC LV5	585	156	>90	3	>60,000	70	929002120606
Fortimo LED strip 1ft 650lm 930 FC LV5	620	165	>90	3	>60,000	70	929002120706
Fortimo LED strip 1ft 650lm 940 FC LV5	650	173	>90	3	>60,000	70	929002120806
Fortimo LED strip 1ft 650lm 830 BC LV5	620	173	>80	3	>60,000	70	929002120906
Fortimo LED strip 1ft 650lm 840 BC LV5	650	181	>80	3	>60,000	70	929002121006
Fortimo LED strip 2ft 1300lm 830 FC LV5	1235	172	>80	3	>60,000	70	929002122306
Fortimo LED strip 2ft 1300lm 840 FC LV5	1300	181	>80	3	>60,000	70	929002123906
Fortimo LED strip 2ft 1300lm 930 FC LV5	1235	163	>90	3	>60,000	70	929002124006
Fortimo LED strip 2ft 1300lm 940 FC LV5	1300	172	>90	3	>60,000	70	929002124106
Fortimo LED strip 2ft 1300lm 830 BC LV5	1235	172	>80	3	>60,000	70	929002124206
Fortimo LED strip 2ft 1300lm 840 BC LV5	1300	181	>80	3	>60,000	70	929002124306
Fortimo LED strip 1150mm 4400lm 830 LV4F	4177	169	>80	3	>50,000	70	929001548406
Fortimo LED strip 1150mm 4400lm 840 LV4F	4400	178	>80	3	>50,000	70	929001548506
Fortimo LED strip 1150mm 4400lm 840 LV4B	4400	178	>80	3	>50,000	70	929001550906
Fortimo LED strip 1400mm 5500lm 840 LV4F	5500	178	>80	3	>50,000	70	929001656506
Fortimo LED strip 1400mm 5500lm 840 LV4B	5500	178	>80	3	>50,000	70	929001656606
Mid-flux (1100 lm per 1 ft 280 mm)							
Fortimo LED strip 1ft 1100lm 830 FC LV5	1045	173	>80	3	>60,000	70	929002122106
Fortimo LED strip 1ft 1100lm 840 FC LV5	1100	182	>80	3	>60,000	70	929002122206
Fortimo LED strip 1ft 1100lm 850 FC LV5	1100	182	>80	3	>60,000	70	929002122306
Fortimo LED strip 1ft 1100lm 865 FC LV5	1100	182	>80	3	>60,000	70	929002122406
Fortimo LED strip 1ft 1100lm 927 FC LV5	990	156	>90	3	>60,000	70	929002122506
Fortimo LED strip 1ft 1100lm 930 FC LV5	1045	165	>90	3	>60,000	70	929002122606
Fortimo LED strip 1ft 1100lm 940 FC LV5	1100	174	>90	3	>60,000	70	929002122706
Fortimo LED strip 1ft 1100lm 965 FC LV5	1100	174	>90	3	>60,000	70	929002122806
Fortimo LED strip 1ft 1100lm 830 BC LV5	1045	173	>80	3	>60,000	70	929002122906
Fortimo LED strip 1ft 1100lm 840 BC LV5	1100	182	>80	3	>60,000	70	929002123006
Fortimo LED strip 2ft 2200lm 830 FC LV5	2090	173	>80	3	>60,000	70	929002125206
Fortimo LED strip 2ft 2200lm 840 FC LV5	2200	182	>80	3	>60,000	70	929002125306
Fortimo LED strip 2ft 2200lm 850 FC LV5	2200	182	>80	3	>60,000	70	929002125406
Fortimo LED strip 2ft 2200lm 865 FC LV5	2200	182	>80	3	>60,000	70	929002125506
Fortimo LED strip 2ft 2200lm 930 FC LV5	2090	165	>90	3	>60,000	70	929002125606
Fortimo LED strip 2ft 2200lm 940 FC LV5	2200	174	>90	3	>60,000	70	929002125706
Fortimo LED strip 2ft 2200lm 830 BC LV5	2090	173	>80	3	>60,000	70	929002125806
Fortimo LED strip 2ft 2200lm 840 BC LV5	2200	182	>80	3	>60,000	70	929002125906
Fortimo LED Strip 1150mm 4400lm 830 LV5F	4180	173	>80	3	>60,000	70	929002829506
Fortimo LED Strip 1150mm 4400lm 840 LV5F	4400	182	>80	3	>60,000	70	929002829606
Fortimo LED Strip 1150mm 4400lm 850 LV5F	4400	182	>80	3	>60,000	70	929002829706
Fortimo LED Strip 1150mm 4400lm 865 LV5F	4400	182	>80	3	>60,000	70	929002829806
Fortimo LED strip 1120mm 4400lm 830 LV5F	4180	173	>80	3	>60,000	70	929002174806
Fortimo LED strip 1120mm 4400lm 840 LV5F	4400	182	>80	3	>60,000	70	929002174906
Fortimo LED strip 1120mm 4400lm 850 LV5F	4400	182	>80	3	>60,000	70	929002175006
Fortimo LED strip 1120mm 4400lm 865 LV5F	4400	182	>80	3	>60,000	70	929002175106
Fortimo LED strip 1120mm 4400lm 930 LV5F	4180	160	>90	3	>60,000	70	929002175206
Fortimo LED strip 1120mm 4400lm 940 LV5F	4400	168	>90	3	>60,000	70	929002175306
Fortimo LED strip 1120mm 4400lm 830 LV5B	4180	173	>80	3	>60,000	70	929002175406
Fortimo LED strip 1120mm 4400lm 840 LV5B	4400	182	>80	3	>60,000	70	929002175506
Fortimo LED strip 1400mm 5500lm 830 LV5F	5225	173	>80	3	>60,000	70	929002177506
Fortimo LED strip 1400mm 5500lm 840 LV5F	5500	182	>80	3	>60,000	70	929002177606
Fortimo LED strip 1400mm 5500lm 865 LV5F	5500	182	>80	3	>60,000	70	929002177706
Fortimo LED strip 1400mm 5500lm 930 LV5F	5225	160	>90	3	>60,000	70	929002177806
Fortimo LED strip 1400mm 5500lm 940 LV5F	5500	168	>90	3	>60,000	70	929002177906
Fortimo LED strip 1400mm 5500lm 830 LV5B	5225	173	>80	3	>60,000	70	929002178006
Fortimo LED strip 1400mm 5500lm 840 LV5B	5500	182	>80	3	>60,000	70	929002178106
Fortimo LED Strip 1450mm 5500lm 830 LV5F	5225	173	>80	3	>60,000	70	929002830106
Fortimo LED Strip 1450mm 5500lm 840 LV5F	5500	182	>80	3	>60,000	70	929002830206
Fortimo LED Strip 1450mm 5500lm 850 LV5F	5500	182	>80	3	>60,000	70	929002830306
Fortimo LED Strip 1450mm 5500lm 865 LV5F	5500	182	>80	3	>60,000	70	929002830406
Fortimo LED Strip 1450mm 5500lm 840 LV5B	5500	182	>80	3	>60,000	70	929002830506

new

CRI 90 high efficiency+

Fortimo LED strip 0.5ft 550lm 930 LV4 +	518	168	>90	3	>50,000	70	929002110606
Fortimo LED strip 0.5ft 550lm 940 LV4 +	551	178	>90	3	>50,000	70	929002110706
Fortimo LED strip 1ft 1100lm 930 LV4 +	1036	168	>90	3	>50,000	70	929002111206
Fortimo LED strip 1ft 1100lm 940 LV4 +	1102	178	>90	3	>50,000	70	929002111306
Fortimo LED strip 2ft 2200lm 930 LV4 +	2073	168	>90	3	>50,000	70	929002111606
Fortimo LED strip 2ft 2200lm 940 LV4 +	2204	178	>90	3	>50,000	70	929002111706

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. For a detailed overview of all linear Xitanium LED drivers see pages 140-146.

Complementary partners

Jordan	Ledil	BJB
R	L	L

L = lenses

R = reflectors

See pages 242-243 for more information.

Fortimo LED strip OC Gen5

A new addition to our portfolio is the Fortimo LED strip OC. In many cases, to create a perfect lighting system optics are required. The Fortimo LED strip OC (optic compliant) is designed together with a brand new set of optics. Due to this, the LED module and the optics have a perfect interaction and provide a beautiful lighting solution. As you'd expect of the Fortimo LED strip family, there is a wide range of lengths, types, CCTs and connector options available, making the portfolio extremely suitable for office and retail applications.

Product information (HV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
Fortimo LED strip OC 0.5ft 550lm 830 BC HV5	522	175	>80	3	>60,000	70	929002191706
Fortimo LED strip OC 0.5ft 550lm 840 BC HV5	550	184	>80	3	>60,000	70	929002191806
Fortimo LED strip OC 0.5ft 550lm 830 FC HV5	522	175	>80	3	>60,000	70	929002191906
Fortimo LED strip OC 0.5ft 550lm 840 FC HV5	550	184	>80	3	>60,000	70	929002192006
Fortimo LED strip OC 1ft 1100lm 830 BC HV5	1045	175	>80	3	>60,000	70	929002192106
Fortimo LED strip OC 1ft 1100lm 840 BC HV5	1100	184	>80	3	>60,000	70	929002192206
Fortimo LED strip OC 1ft 1100lm 865 BC HV5	1100	184	>80	3	>60,000	70	929002192306
Fortimo LED strip OC 1ft 1100lm 830 FC HV5	1045	175	>80	3	>60,000	70	929002192406
Fortimo LED strip OC 1ft 1100lm 840 FC HV5	1100	184	>80	3	>60,000	70	929002192506
Fortimo LED strip OC 1ft 1100lm 865 FC HV5	1100	184	>80	3	>60,000	70	929002192606
Fortimo LED strip OC 2ft 2200lm 830 BC HV5	2090	175	>80	3	>60,000	70	929002193306
Fortimo LED strip OC 2ft 2200lm 840 BC HV5	2200	184	>80	3	>60,000	70	929002193406
Fortimo LED strip OC 2ft 2200lm 865 BC HV5	2200	184	>80	3	>60,000	70	929002193506
Fortimo LED strip OC 2ft 2200lm 830 FC HV5	2090	175	>80	3	>60,000	70	929002193606
Fortimo LED strip OC 2ft 2200lm 840 FC HV5	2200	184	>80	3	>60,000	70	929002193706
Fortimo LED strip OC 2ft 2200lm 865 FC HV5	2200	184	>80	3	>60,000	70	929002193806

new

Product information (LV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
Fortimo LED strip OC 0.5ft 550lm 830 BC LV5	522	175	>80	3	>60,000	70	929002191306
Fortimo LED strip OC 0.5ft 550lm 840 BC LV5	550	184	>80	3	>60,000	70	929002191406
Fortimo LED strip OC 0.5ft 550lm 830 FC LV5	522	175	>80	3	>60,000	70	929002191506
Fortimo LED strip OC 0.5ft 550lm 840 FC LV5	550	184	>80	3	>60,000	70	929002191606
Fortimo LED strip OC 1ft 1100lm 830 BC LV5	1045	175	>80	3	>60,000	70	929002192706
Fortimo LED strip OC 1ft 1100lm 840 BC LV5	1100	184	>80	3	>60,000	70	929002192806
Fortimo LED strip OC 1ft 1100lm 865 BC LV5	1100	184	>80	3	>60,000	70	929002192906
Fortimo LED strip OC 1ft 1100lm 830 FC LV5	1045	175	>80	3	>60,000	70	929002193006
Fortimo LED strip OC 1ft 1100lm 840 FC LV5	1100	184	>80	3	>60,000	70	929002193106
Fortimo LED strip OC 1ft 1100lm 865 FC LV5	1100	184	>80	3	>60,000	70	929002193206
Fortimo LED strip OC 2ft 2200lm 830 BC LV5	2090	175	>80	3	>60,000	70	929002193906
Fortimo LED strip OC 2ft 2200lm 840 BC LV5	2200	184	>80	3	>60,000	70	929002194006
Fortimo LED strip OC 2ft 2200lm 865 BC LV5	2200	184	>80	3	>60,000	70	929002194106
Fortimo LED strip OC 2ft 2200lm 830 FC LV5	2090	175	>80	3	>60,000	70	929002194206
Fortimo LED strip OC 2ft 2200lm 840 FC LV5	2200	184	>80	3	>60,000	70	929002194306
Fortimo LED strip OC 2ft 2200lm 865 FC LV5	2200	184	>80	3	>60,000	70	929002194406

new

Product information Optics

Commercial name	Beam angle	Length	12NC
1R Optic 30D 1ft FLS OC HV/LV5	30°	1ft	929002818406
1R Optic 60D 1ft FLS OC HV/LV5	60°	1ft	929002818506
1R Optic 90D 1ft FLS OC HV/LV5	90°	1ft	929002818606
1R Optic DA 1ft FLS OC HV/LV5	Single-Asymmetric	1ft	929002818706
1R Optic SA 1ft FLS OC HV/LV5	Double-Asymmetric	1ft	929002818806
1R Optic FLS OC HV/LV5 END-CAP	n/a	n/a	929002818906

Complementary partners

BJB
L
L = lenses
R = reflectors

See pages 242 - 243 for more information.

Fortimo LED strip high flux Gen6

Industrial applications are typically the most difficult for LED technology to fulfill. The Fortimo LED strip high flux is the key product in the industry for these kind of applications as it's specifically designed to be used in high temperature environments that require a high light output. The updated generation 6 (HV6) increases the efficiency of the LED boards and also adds an even higher flux board to the possibilities (now also in 3000 lm per ft).



Product information (HV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
2000 lm per ft							
Fortimo LED strip 1ft 2000lm FC 830 HV6	1880	167	>80	3	>100,000	90	929002801306
Fortimo LED strip 1ft 2000lm FC 840 HV6	2000	178	>80	3	>100,000	90	929002801406
Fortimo LED strip 1ft 2000lm FC 850 HV6	2000	178	>80	3	>100,000	90	929002801506
Fortimo LED strip 1ft 2000lm FC 865 HV6	1980	176	>80	3	>100,000	90	929002801606
Fortimo LED strip 2ft 4000lm FC 830 HV6	3760	167	>80	3	>100,000	90	929002801706
Fortimo LED strip 2ft 4000lm FC 840 HV6	4000	178	>80	3	>100,000	90	929002801806
Fortimo LED strip 2ft 4000lm FC 850 HV6	4000	178	>80	3	>100,000	90	929002801906
Fortimo LED strip 2ft 4000lm FC 865 HV6	3960	176	>80	3	>100,000	90	929002802006
3000 lm per ft							
Fortimo LED strip 1ft 3000lm FC 830 HV6	2820	167	>80	3	>100,000	90	929002802106
Fortimo LED strip 1ft 3000lm FC 840 HV6	3000	178	>80	3	>100,000	90	929002802206
Fortimo LED strip 1ft 3000lm FC 850 HV6	3000	178	>80	3	>100,000	90	929002802306
Fortimo LED strip 1ft 3000lm FC 865 HV6	2970	176	>80	3	>100,000	90	929002802406
Fortimo LED strip 2ft 6000lm FC 830 HV6	5640	167	>80	3	>100,000	90	929002802506
Fortimo LED strip 2ft 6000lm FC 840 HV6	6000	178	>80	3	>100,000	90	929002802606
Fortimo LED strip 2ft 6000lm FC 850 HV6	6000	178	>80	3	>100,000	90	929002802706
Fortimo LED strip 2ft 6000lm FC 865 HV6	5940	176	>80	3	>100,000	90	929002802806

new

Fortimo LED strip CES

More applications require the use of HCL elements. One of those elements is lighting solutions to improve people's circadian rhythm by using a different spectrum of light. With the Fortimo LED strip CES (cyan enhanced static) we have created 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 CRI 80. The product is based on the Fortimo LED strip platform, which makes luminaires designed with the standard Fortimo LED strip Gen5 easily upgradable to a HCL solution. The Fortimo LED strip CES is perfectly suitable when conditions ask for high MDER solutions (e.g. WELL Building certification).



Product information (HV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	SDCM	hrs	°C	12NC
Fortimo LED strip CES 1ft 1100lm HV5 F	1100	162	>80, >50	3	>50,000	70	929002198806
Fortimo LED strip CES 2ft 2200lm HV5 F	2200	162	>80, >50	3	>50,000	70	929002198906

new
new

Product information (HV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	SDCM	hrs	°C	12NC
Fortimo LED strip CES 1ft 1100lm LV5 F	1100	162	>80, >50	3	>50,000	70	929002199006
Fortimo LED strip CES 2ft 2200lm LV5 F	2200	162	>80, >50	3	>50,000	70	929002199106

new
new

Note: CES products are always in CCT 4000 K with CRI >80 (840)

Complementary partners

Jordan	Ledil	BJB
R	L	L

L = lenses
R = reflectors

See pages 242-243 for more information.

Fortimo LED strip FlexTune

With a system combination of the Xitanium FlexTune driver and the Fortimo LED strip FlexTune modules you can build a high performing and unique tunable white system. The drivers and modules are designed 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 that does the CCT mixing inside the LED so 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 CRI 90 technology.



Product information (HV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	SDCM	hrs	°C	12NC
Fortimo strip ST FT 1ft 1100lm 827-865 FC HV5*	1100	159/171	>80	3	>50,000	70	929002800606
Fortimo strip ST FT 2ft 2200lm 827-865 FC HV5*	2200	159/171	>80	3	>50,000	70	929002800706

new
new

*ST: two-in-one LED CCT tuning

Product information (HV)

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	SDCM	hrs	°C	12NC
Fortimo strip PR FT 1ft 1100lm 927-965 FC HV5*	1100	145/157	>90	3	>50,000	70	929002800806
Fortimo strip PR FT 2ft 2200lm 927-965 FC HV5*	2200	145/157	>90	3	>50,000	70	929002800906

new
new

*PR: two individual CCT LEDs in CRI 90 high efficiency

Complementary partners

Jordan	Ledil	BJB
R	L	L

L = lenses
R = reflectors

See pages 242-243 for more information.

Fortimo LED line

Fortimo LED line systems are designed to provide pure white light for general lighting applications with high efficiency levels. The Fortimo LED line portfolio consists of two main product ranges. The Fortimo LED line 1R system, with one row of LEDs on the module, is ideal for applications requiring beam shaping and where light is intended to fall on a vertical surface, such as racking or shelves. The Fortimo LED line 3R system, with three rows of LEDs, has been designed to produce high-efficiency white light for general lighting applications where diffuse lighting on the horizontal plane is key.



Product information (HV)

Type	Commercial name	Light output lm	Module efficacy lm/W @ Tc Nom	Color rendering CRI	Color consistency SDCM	Lifetime hrs	Case temp. lifetime °C	Product code 12NC
Low-flux (650 lm per 1 ft/280 mm)								
3R	Fortimo LED line 1ft 650lm 830 3R HV4	604	164	>80	3	>50,000	75	929001543706
	Fortimo LED line 1ft 650lm 840 3R HV4	650	177	>80	3	>50,000	75	929001543806
	Fortimo LED line 1ft 650lm 850 3R HV4	650	177	>80	3	>50,000	75	929001543906
Mid-flux (1100 lm per 1 ft/280 mm)								
1R	Fortimo LED line 1ft 1100lm 830 1R HV4	1045	164	>80	3	>50,000	80	929001542306
	Fortimo LED line 1ft 1100lm 840 1R HV4	1100	173	>80	3	>50,000	80	929001542406
	Fortimo LED line 1ft 1100lm 850 1R HV4	1111	174	>80	3	>50,000	80	929001542506
	Fortimo LED line 2ft 2200lm 830 1R HV4	2090	164	>80	3	>50,000	80	929001542606
	Fortimo LED line 2ft 2200lm 840 1R HV4	2200	173	>80	3	>50,000	80	929001542706
	Fortimo LED line 2ft 2200lm 850 1R HV4	2222	174	>80	3	>50,000	80	929001542806
3R	Fortimo LED line 1ft 1100lm 830 3R HV4F	1045	174	>80	3	>50,000	80	929001544306
	Fortimo LED line 1ft 1100lm 840 3R HV4F	1100	183	>80	3	>50,000	80	929001544406
	Fortimo LED line 1ft 1100lm 850 3R HV4F	1111	185	>80	3	>50,000	80	929001544506
	Fortimo LED line 1ft 1100lm 830 3R HV4B	1045	174	>80	3	>50,000	80	929001545506
	Fortimo LED line 1ft 1100lm 840 3R HV4B	1100	183	>80	3	>50,000	80	929001545606
	Fortimo LED line 1ft 1100lm 850 3R HV4B	1111	185	>80	3	>50,000	80	929001545706
	Fortimo LED line 2ft 2200lm 830 3R HV4	2090	174	>80	3	>50,000	80	929001544806
	Fortimo LED line 2ft 2200lm 840 3R HV4	2200	183	>80	3	>50,000	80	929001544906
	Fortimo LED line 2ft 2200lm 850 3R HV4	2222	185	>80	3	>50,000	80	929001545006
3R VO	Fortimo LED line VO 1ft 1100lm 830 3R HV4	1025	159	>80	3	>50,000	80	929002112506
	Fortimo LED line VO 1ft 1100lm 840 3R HV4	1098	171	>80	3	>50,000	80	929002112606
	Fortimo LED line VO 2ft 2200lm 830 3R HV4	2050	159	>80	3	>50,000	80	929002112706
	Fortimo LED line VO 2ft 2200lm 840 3R HV4	2196	171	>80	3	>50,000	80	929002112806
High-flux (2000 lm per 1 ft/280 mm)								
1R	Fortimo LED line 1ft 2000lm 830 1R HV4	1902	163	>80	3	>50,000	90	929001645206
	Fortimo LED line 1ft 2000lm 840 1R HV4	2000	172	>80	3	>50,000	90	929001645306
	Fortimo LED line 1ft 2000lm 850 1R HV4	2020	172	>80	3	>50,000	90	929001645406
	Fortimo LED line 2ft 4000lm 830 1R HV4	3804	163	>80	3	>50,000	90	929001645606
	Fortimo LED line 2ft 4000lm 840 1R HV4	4000	172	>80	3	>50,000	90	929001645806
	Fortimo LED line 2ft 4000lm 850 1R HV4	4040	172	>80	3	>50,000	90	929001645906
3R	Fortimo LED line 1ft 2000lm 830 3R HV4	1901	172	>80	3	>50,000	90	929001646106
	Fortimo LED line 1ft 2000lm 840 3R HV4	2000	180	>80	3	>50,000	90	929001646206
	Fortimo LED line 1ft 2000lm 850 3R HV4	2019	180	>80	3	>50,000	90	929001646306

Product information (LV)

Type	Commercial name	Light output lm	Module efficacy lm/W @ Tc Nom	Color rendering CRI	Color consistency SDCM	Lifetime hrs	Case temp. lifetime °C	Product code 12NC
Low-flux (650 lm per 1 ft/280 mm)								
3R	Fortimo LED line 1ft 650lm 830 3R LV4	604	164	>80	3	>50,000	75	929001544006
	Fortimo LED line 1ft 650lm 840 3R LV4	650	177	>80	3	>50,000	75	929001544106
Mid-flux (1100 lm per 1 ft/280 mm)								
1R	Fortimo LED line 1ft 1100lm 830 1R LV4	1045	164	>80	3	>50,000	80	929001542906
	Fortimo LED line 1ft 1100lm 840 1R LV4	1100	173	>80	3	>50,000	80	929001543106
	Fortimo LED line 1ft 1100lm 850 1R LV4	1111	174	>80	3	>50,000	80	929001543206
	Fortimo LED line 2ft 2200lm 830 1R LV4	2090	164	>80	3	>50,000	80	929001543306
	Fortimo LED line 2ft 2200lm 840 1R LV4	2200	173	>80	3	>50,000	80	929001543506
	Fortimo LED line 2ft 2200lm 850 1R LV4	2222	174	>80	3	>50,000	80	929001543606

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. For a detailed overview of all linear Xitanium LED drivers see pages 140-146.

Complementary partners

Jordan	Ledil	BJB	Carclo	CKO	Darkoo
R	L	L	L	L	L

L = lenses

R = reflectors

See pages 242-243 for more information.

Fortimo LED square

The Fortimo LED square HV/LV3 systems deliver high-quality homogeneous light at high efficiencies. Fortimo LED square systems are ideal for office applications where the luminaires require a very homogeneous exit surface window. Typical applications are recessed, surface mounted and suspended office luminaires. In generation 3 we've now included the features of our CRI 90 high efficiency technology and FlexTune.



Product information

Commercial name	Light output	Module efficacy	Color rendering	Color consistency	Lifetime	Case temp. lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	SDCM	hrs	°C	12NC
1250 lumen - static white							
Fortimo LED square 1250lm 830 HV/LV3	1200	184	>80	3	>50,000	65	929002819906
Fortimo LED square 1250lm 840 HV/LV3	1250	191	>80	3	>50,000	65	929002820006
Fortimo LED square 1250lm 865 HV/LV3	1250	191	>80	3	>50,000	65	929002820106
Fortimo LED square 1250lm 930 HV/LV3	1180	170	>90	3	>50,000	65	929002820206
Fortimo LED square 1250lm 940 HV/LV3	1250	180	>90	3	>50,000	65	929002820306
Fortimo LED square 1250lm 965 HV/LV3	1250	180	>90	3	>50,000	65	929002820406
2500 lumen - static white							
Fortimo LED square 2500lm 830 HV/LV3	2400	184	>80	3	>50,000	65	929002820506
Fortimo LED square 2500lm 840 HV/LV3	2500	191	>80	3	>50,000	65	929002820606
Fortimo LED square 2500lm 865 HV/LV3	2500	191	>80	3	>50,000	65	929002820706
Fortimo LED square 2500lm 930 HV/LV3	2360	170	>90	3	>50,000	65	929002820806
Fortimo LED square 2500lm 940 HV/LV3	2500	180	>90	3	>50,000	65	929002820906
Fortimo LED square 2500lm 965 HV/LV3	2500	180	>90	3	>50,000	65	929002821006
FlexTune*							
Fortimo LED square 1250lm 927-965 HV/LV3**	1203	173	>90	3	>50,000	65	929002821106
Fortimo LED square 2500lm 927-965 HV/LV3**	2406	173	>90	3	>50,000	65	929002821206

* Compatible with Xitanium FlexTune drivers.

** Performance at 4000 K CRI 90.

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. For a detailed overview of all linear Xitanium LED drivers see pages 140-146.

Fortimo LED panel

Fortimo LED panels are designed for office applications and the range consists of different dimensions for different ceiling sizes. The panels are office compliant and have a long lifetime. Use these panels in combination with Xitanium drivers for the best performance.



Product information

Commercial name	Light output	Panel efficacy	Color rendering	Office compliant	Lifetime	Product code
	lm	lm/W @ Tc Nom	CRI	UGR	hrs @ Ta 25°C	12NC
Fortimo LED panel 6060 830 MD2	3220	115	>80	<19	>50,000	929001687706
Fortimo LED panel 6060 835 MD2	3220	115	>80	<19	>50,000	929002828006
Fortimo LED panel 6060 840 MD2	3500	121	>80	<19	>50,000	929001687806
Fortimo LED panel 6060 865 MD2	3500	121	>80	<19	>50,000	929001687906
Fortimo LED panel 6060 830 TPA MD2	3220	115	>80	<19	>50,000	929002168806
Fortimo LED panel 6060 835 TPA MD2	3220	115	>80	<19	>50,000	929002828406
Fortimo LED panel 6060 840 TPA MD2	3400	121	>80	<19	>50,000	929002168906
Fortimo LED panel 6262 830 MD2	3220	115	>80	<19	>50,000	929002167906
Fortimo LED panel 6262 835 MD2	3320	115	>80	<19	>50,000	929002828106
Fortimo LED panel 6262 840 MD2	3400	121	>80	<19	>50,000	929002168006
Fortimo LED panel 6262 865 MD2	3400	121	>80	<19	>50,000	929002168106
Fortimo LED panel 30120 830 MD2	3220	115	>80	<19	>50,000	929002168206
Fortimo LED panel 30120 835 MD2	3220	115	>80	<19	>50,000	929002828206
Fortimo LED panel 30120 840 MD2	3400	121	>80	<19	>50,000	929002168306
Fortimo LED panel 30120 865 MD2	3400	121	>80	<19	>50,000	929002168406
Fortimo LED panel 30120 830 TPA MD2	3220	115	>80	<19	>50,000	929002169006
Fortimo LED panel 30120 835 TPA MD2	3220	115	>80	<19	>50,000	929002828506
Fortimo LED panel 30120 840 TPA MD2	3400	121	>80	<19	>50,000	929002169106
Fortimo LED panel 60120 830 MD2	5000	122	>80	<19	>50,000	929002168506
Fortimo LED panel 60120 835 MD2	5000	122	>80	<19	>50,000	929002828306
Fortimo LED panel 60120 840 MD2	5350	131	>80	<19	>50,000	929002168606
Fortimo LED panel 60120 865 MD2	5350	131	>80	<19	>50,000	929002168706

Drivers recommendation

Commercial name	Product code
	12NC
Xitanium 36W WH 0.3-1A 54V TD/Is 230V	929000969906
Xitanium 50W WH 0.7-1.5A 54V TD/Is 230V	929000991806
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

Commercial name	Product code
	12NC
LED panel safety cable	929001688006

CertaFlux LED strip HV4

CertaFlux LED strip is upgraded with a higher lm/W performance, now reaching up to 165 lm/W. The CertaFlux LED strips offer a good product performance and functionality meeting the market needs for basic lighting. The system is cost effective when combined with CertaDrive linear LED drivers.



Product information

Commercial name	Light output lm	Module efficacy lm/W @ Tc Nom	Color rendering CRI	Color consistency SDCM	Lifetime hrs @ Tc Nom	Case temp. lifetime °C	Product code 12NC
CertaFlux LED strip 1ft 775lm 830 HV4	725	157	>80	3	>50,000	85	929001684606
CertaFlux LED strip 1ft 775lm 840 HV4	774	168	>80	3	>50,000	85	929001684706
CertaFlux LED strip 1ft 1100lm 830 HV4	1029	155	>80	3	>50,000	85	929001684806
CertaFlux LED strip 1ft 1100lm 840 HV4	1098	166	>80	3	>50,000	85	929001684906
CertaFlux LED strip 1ft 1100lm 865 HV4	1080	163	>80	3	>50,000	85	929002109206
CertaFlux LED strip 2ft 1550lm 830 HV4	1451	158	>80	3	>50,000	85	929001685006
CertaFlux LED strip 2ft 1550lm 840 HV4	1548	168	>80	3	>50,000	85	929001685106
CertaFlux LED strip 2ft 1550lm 865 HV4	1522	166	>80	3	>50,000	85	929001685206
CertaFlux LED strip 2ft 2200lm 830 HV4	2059	156	>80	3	>50,000	85	929001685306
CertaFlux LED strip 2ft 2200lm 840 HV4	2197	166	>80	3	>50,000	85	929001685406
CertaFlux LED strip 2ft 2200lm 865 HV4	2160	163	>80	3	>50,000	85	929001685506

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. For a detailed overview of all CertaDrive LED linear drivers see page 147.

Complementary partners

Jordan	Ledil	BJB
R	L	L

L = lenses
R = reflectors

See pages 242-243 for more information.

CertaFlux LED strip 12

CertaFlux LED strip 12 is a small linear LED strip with a width of 12 mm, and available in 1 ft, 2 ft, 4 ft and 5 ft lengths. 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 fit for waterproof or batten applications.

Product information

Commercial name	Light output lm	Module efficacy lm/W @ Tc Nom	Color rendering CRI	Color consistency SDCM	Lifetime hrs @ Tc Nom	Case temp. lifetime °C	Product code 12NC
CertaFlux LED strip 12 1ft 1100lm 830 HV4	1027	149	>80	4	>50,000	65	929002137406
CertaFlux LED strip 12 1ft 1100lm 840 HV4	1100	160	>80	4	>50,000	65	929002137506
CertaFlux LED strip 12 1ft 1100lm 865 HV4	1071	156	>80	4	>50,000	65	929002137606
CertaFlux LED strip 12 2ft 2200lm 830 HV4	2053	149	>80	4	>50,000	65	929002137706
CertaFlux LED strip 12 2ft 2200lm 840 HV4	2200	160	>80	4	>50,000	65	929002137806
CertaFlux LED strip 12 2ft 2200lm 865 HV4	2142	156	>80	4	>50,000	65	929002137906
CertaFlux LED strip 12 4ft 4400lm 830 HV4	4107	149	>80	4	>50,000	65	929002138006
CertaFlux LED strip 12 4ft 4400lm 840 HV4	4400	160	>80	4	>50,000	65	929002138106
CertaFlux LED strip 12 4ft 4400lm 865 HV4	4283	156	>80	4	>50,000	65	929002138206
CertaFlux LED strip 12 5ft 5500lm 830 HV4	5133	149	>80	4	>50,000	65	929002138306
CertaFlux LED strip 12 5ft 5500lm 840 HV4	5500	160	>80	4	>50,000	65	929002138406
CertaFlux LED strip 12 5ft 5500lm 865 HV4	5354	156	>80	4	>50,000	65	929002138506
CertaFlux LED Strip 12mm 5ft 6400lm	6455	160	>80	4	>50,000	65	929002139606

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. For a detailed overview of all CertaDrive LED linear drivers see page 147.

CertaFlux LED panel Gen2 (backlit)

The newly introduced CertaFlux LED Panel Gen2(backlit) brings the next level of cost-effectiveness using backlit technology and comes in combination with different panel drivers as system offer.



Features

- Efficacy up to 110lm/W+ on module level
- Excellent light uniformity and color consistency (6 SDCM)
- Backlit technology
- 3 sizes with 2 color temperatures for more choice
- 1 SKU comes with selectable color temperature (4000K or 6500K)
- Unique quick install connector
- System Offer (panel + driver)
- 30,000 hours lifetime

Benefits

- World-class performance
- Easy to use and install
- Safe and Reliable

Applications

- Offices
- Public buildings

Compatible LED Drivers

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

Product Description	12NC	60x60	60x60L	30x120	60x120	60x60 sCCT
CertaDrive 34W 0.7/0.8A 42V 230V I	929002804780	√	√	√		√
CertaDrive 44W 0.9/1.05A 42V 230V I	929002804880	√	√	√		√
Xtanium 34W/m 0.8A 42V SC 230V	929002105206	√	√	√		√
Xtanium 36W/m 0.85A 42V SC 230V	929002139306	√	√	√		√
Xtanium 38W/m 0.9A 42V SC 230V	929002113406	√	√	√		√
Xtanium 34W 0.8A 42V 1-10V 230V I	929001486380	√	√	√		√
Xtanium 38W 0.9A 42V 1-10V 230V I	929001486480	√	√	√		√
Xtanium 44W 1.05A 42V 1-10V 230V I	929001486580	√	√	√		√
Xtanium 64W 1.5A 1.6A 40V I 230V	929001423580				√	
Xtanium 75W 0.7-2A 54V TD 230V	929001503706				√	

Product information

Product Description	Light output	Panel efficacy	Color Temperature	Color Rendering	Color Consistency	B50/L70 at Tc Life	Product code
	lm	lm/W	K	Ra	SDCM	hrs	12NC
CertaFlux LED BL Panel 6060 830 MD2	3100	104	3000	80	6	30,000	929002847506
CertaFlux LED BL Panel 6060 840 MD2	3350	112	4000	80	6	30000	929002847606
CertaFlux LED BL Panel 6060 865 MD2	3350	112	6500	80	6	30000	929002847706
CertaFlux LED BL Panel 6060 sCCT MD2	"3100@4000K 3300@5000K 3100@6500K"	"114@4000K 126@5000K 114@6500K"	"4000 5000 6500"	80	6	30000	929002847806
CertaFlux LED BL Panel 6060L 830 MD2	3100	104	3000	80	6	30000	929002847906
CertaFlux LED BL Panel 6060L 840 MD2	3350	112	4000	80	6	30000	929002848006
CertaFlux LED BL Panel 6060L 865 MD2	3350	112	6500	80	6	30000	929002848106
CertaFlux LED BL Panel 30120 830 MD2	3100	104	3000	80	6	30000	929002848206
CertaFlux LED BL Panel 30120 840 MD2	3350	112	4000	80	6	30000	929002848306
CertaFlux LED BL Panel 30120 865 MD2	3350	112	6500	80	6	30000	929002848406
CertaFlux LED BL Panel 60120 830 MD2	5800	104	3000	80	6	30000	929002848506
CertaFlux LED BL Panel 60120 840 MD2	6200	111	4000	80	6	30000	929002848606
CertaFlux LED BL Panel 60120 865 MD2	6200	111	6500	80	6	30000	929002848706

new

Accessories

Product Description	Product code
	12NC
LED BL Panel safety cable accessory set	929002848806

* 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.

A young girl with dark hair tied back is shown in profile, drinking water from a clear glass bottle. She is wearing a yellow and green striped tank top. The background is a bright, out-of-focus outdoor setting with green foliage and a white fence. A green rectangular box with white text is overlaid on the right side of the image.

LED Transformer

Portfolio

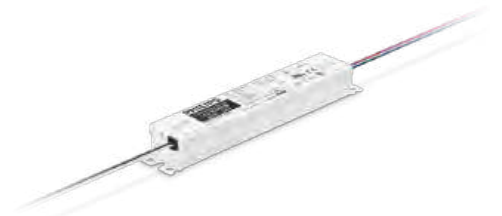
Constant Voltage	Dimming			Basic Features and Performances	
	DALI	1-10V	Phase cut	24V DC Output	Transformer lifetime (hours)
Performance	Yes	Yes	No	Yes	50,000
Mainstream	No	No	Yes	Yes	20,000 or 30,000



Performance

LED Power Drivers

Philips constant voltage LED Power drivers are built-in drivers specifically designed to ensure the highest performance with maximum robustness combined with a long lifetime.



Product specifications

Product type	Nominal voltage	Dimensions HxWxL	Nominal output voltage	Nominal output power	Protection class	IP rated	Dimming	Lifetime	Product code
	Vac	mm	VDC	W				Hours	12NC
LED Power Driver 20W 24VDC 100-240V	100-240	25x37x140	24	20	II	56	No	50,000	929000654006
LED Power Driver 80W 24VDC 120-240V	120-240	30x43x241	24	80	I/II	20	No	50,000	929001669406
LED Power Driver 100W 24VDC 120-240V	120-240	30x43x241	24	100	I/II	20	No	50,000	929001669506
LED Power Driver 150W 24VDC 120-240V	120-240	34x60x230	24	150	I/II	20	No	50,000	929002101980
LED Power Driver 240W 24VDC 120-240V	120-240	38x70x240	24	200	I/II	20	No	50,000	929002102080

Standard LED Transformers

Philips constant voltage LED transformers are independent drivers specifically designed for indoor applications to ensure the highest performance with maximum robustness combined with a long lifetime.



Product specifications

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

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

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

Performance

IP67 LED Transformers

Philips constant voltage IP67 LED transformers are independent drivers specifically designed for outdoor applications to ensure the highest performance with maximum robustness combined with a long lifetime.



Product specifications

Product type	Nominal voltage	Dimensions HxWxL	Nominal output voltage	Nominal out-put power	Protection class	IP rated	Dimming	Lifetime	Product code
	Vac	mm	VDC	W					
LED transformer 150W IP67 24VDC 220-240V	220-240	45x68x250	24	150	I	67	No	50,000	929001485580
LED transformer 300W IP67 24VDC 220-240V	220-240	45x68x250	24	300	I	67	No	50,000	929001485680

CertaDrive LED Transformer

Philips constant voltage CertaDrive LED transformers are built-in drivers specifically designed for indoor applications to ensure the highest performance with maximum robustness combined with 30K hours lifetime.



Product specifications

Product type	Nominal voltage	Dimensions HxWxL	Nominal put voltage	out-put power	Nominal out-put power	Protection class	IP rated	Dimming	Lifetime	Product code
	Vac	mm	VDC	W						
CertaDrive LED Transformer 30W 24VDC	220-240	40x28x150	24	30	I/II	20	No	30,000	929002146280	
CertaDrive LED Transformer 60W 24VDC	220-240	40x32x211	24	60	I/II	20	No	30,000	929002146380	
CertaDrive LED Transformer 120W 24VDC	220-240	40x34x280	24	120	I/II	20	No	30,000	929002146480	
CertaDrive LED Transformer 180W 24VDC	220-240	50x35x300	24	180	I/II	20	No	30,000	929002146580	
CertaDrive LED Transformer 250W 24VDC	220-240	22x40x400	24	250	I/II	20	No	30,000	929002826380	

Mainstream

Dimmable LED Transformer

Philips constant voltage dimmable LED transformers are independent drivers specifically designed for indoor applications to ensure the highest performance with maximum robustness combined with phase cut dimmable



Product specifications

Product type	Nominal voltage	Dimensions HxWxL	Nominal output voltage	Nominal out-put power	Protection class	IP rated	Dimming	Lifetime	Product code
	Vac	mm	VDC	W					
Dimmable LED Transformer 75W 24VDC	220-240	33x54x213	24	75	II	20	Phase cut	30,000	913710033880
Dimmable LED Transformer 150W 24VDC	220-240	45x60x300	24	150	II	20	Phase cut	30,000	913710033980

Economic LED Transformer

Philips constant voltage Economic LED transformers are built-in drivers specifically designed for indoor applications to ensure the highest performance with maximum robustness combined with 20K hours lifetime.



Product specifications

Product type	Nominal voltage	Dimensions HxWxL	Nominal output voltage	out-put power	Nominal out-put power	Protection class	IP rated	Dimming	Lifetime	Product code
	Vac	mm	VDC	W						
Economic LED Transformer 30W 24VDC	220-240	40x28x150	24	30	I/II	20	No	20,000	913710033080	
Economic LED Transformer 60W 24VDC	220-240	40x32x211	24	60	I/II	20	No	20,000	913710033180	
Economic LED Transformer 120W 24VDC	220-240	40x34x280	24	120	I/II	20	No	20,000	913710033680	
Economic LED Transformer 180W 24VDC	220-240	50x35x300	24	180	I/II	20	No	20,000	913710033780	
Economic LED Transformer 250W 24VDC	220-240	22x40x400	24	250	I/II	20	No	20,000	929002859480	



LED Flex

Certaflux LEDFlex Gen1

The new 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 & Benefits

- Extensive portfolio for different application
- Consistent quality of light of premium white performance
- Short cuttable length (5cm with single CCT) enables easily design
- Flux ranges covers 500lm/M 1000lm/M 1500lm/M 2000lm/M with efficacy up to 110lm/W
- High quality of light with 2400K 2700K 3000KPW 3500KPW 4000KPW and 6500K with CRI90
- PCB-PCB and PCB-wire connectors enable easily use
- System approach
- 30,000 hours lifetime



Product specifications

Product Description	Power consumption	Lumen	Efficacy	Color Temperature	Color Rendering	Color Consistency	Tc Life	B50/L70 at Tc Life	Product code
	W	lm/m	lm/W	K	Ra	SDCM	°C	hrs	12NC
CertaFlux LEDFlex 5m 500lm/m 924 C10 G1	7	500	72	2400	90	3	75	30,000	929002862380
CertaFlux LEDFlex 5m 500lm/m 927 C10 G1	6	500	83	2700	90	3	75	30,000	929002862480
CertaFlux LEDFlex 5m 500lm/m 930PW C10G1	6	500	83	3000	90	3	75	30,000	929002862580
CertaFlux LEDFlex 5m 500lm/m 935PW C10G1	6	500	83	3500	90	3	75	30,000	929002862680
CertaFlux LEDFlex 5m 500lm/m 940PW C10G1	6	500	83	4000	90	3	75	30,000	929002862780
CertaFlux LEDFlex 5m 500lm/m 965 C10 G1	6	500	83	6500	90	3	75	30,000	929002862880
CertaFlux LEDFlex 5m 1000lm/m 924 C10 G1	13	1000	77	2400	90	3	75	30,000	929002862980
CertaFlux LEDFlex 5m 1000lm/m 927 C10 G1	13	1050	81	2700	90	3	75	30,000	929002863080
CertaFlux LEDFlex 5m 1000lm/m 930PWC10G1	10.8	1000	83	3000	90	3	75	30,000	929002863180
CertaFlux LEDFlex 5m 1000lm/m 935PWC10G1	10.8	1000	83	3500	90	3	75	30,000	929002863280
CertaFlux LEDFlex 5m 1000lm/m 940PWC10G1	9.7	1000	93	4000	90	3	75	30,000	929002863380
CertaFlux LEDFlex 5m 1000lm/m 965 C10 G1	9.7	1000	93	6500	90	3	75	30,000	929002863480
CertaFlux LEDFlex 5m 1500lm/m 930PW C5G1	13.9	1450	104	3000	90	3	75	30,000	929002863580
CertaFlux LEDFlex 5m 1500lm/m 935PW C5G1	13.9	1500	108	3500	90	3	75	30,000	929002863680
CertaFlux LEDFlex 5m 1500lm/m 940PW C5G1	13.9	1500	108	4000	90	3	75	30,000	929002863780
CertaFlux LEDFlex 5m 1500lm/m 965 C5 G1	13.9	1500	108	6500	90	3	75	30,000	929002863880
CertaFlux LEDFlex 5m 2000lm/m 935PW C5G1	18	1900	106	3500	90	3	75	30,000	929002864080
CertaFlux LEDFlex 5m 2000lm/m 940PW C5G1	18	2000	111	4000	90	3	75	30,000	929002864180
CertaFlux LEDFlex 5m 2000lm/m 965 C5 G1	18	2000	111	6500	90	3	75	30,000	929002864280
CertaFlux LEDFlex 5m 1000lm/m827-865C12G1	10.1	1000 @ 2700K /1100 @6500K	100 @ 2700K / 109 @ 6500K	2700-6500	80	3	75	30,000	929002864380
CertaFlux LEDFlex 5m 2000lm/m827-865C12G1	20	2000 @2700K /2200@6500K		2700-6500	80	3	75	30,000	929002869580
CertaFlux LEDFlex 5m 1000lm/mRGBWW C10G1	4.8 (RGB)/10.1 (warmwhite)	75(blue)/335(green)128(red)/1000(warmwhite)	100 (warmwhite)	2700	80	3 (warm-white)	75	30,000	929002864480
CertaFlux LEDFlex 5m 1000lm/mRGBCW C10G1	4.8 (RGB)/10.1 (coolwhite)	75(blue)/335(green)128(red)/1100(coolwhite)	109 (coolwhite)	6500	80	3(cool-white)	75	30,000	929002864580

* 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 Constant voltage LED Drivers

Product Description	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 compatiabe driver list, please always help to check with local sales team, for Tunable White and RGBWW/CW, Bridge Box is also needed.

Accessories

Accessories	Product code (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



OEM Tools & Services



My Technology Portal

Did you already check it out?

My Technology Portal provides you 24/7 services to drive your business with our OEM technology. Let yourself be easily guided through every step of the process. Whether you're looking for our latest products, phase-out information or the delivery time of your pending orders, you've got all our services at your fingertips with just one log in.

- Easy Single Sign on wherever you are on any device.
- Gives you access to all the new online tools.
- The existing User License Key will no longer be required when you access MultiOne from My Technology Portal.



Products; all upcoming introductions and phase-outs including dates, codes, all the files you need and quick links to order samples including a customized overview of upcoming phase-outs based on your order history.



Easy Design-In Tool; access this tool via the portal for additional functionalities to easily explore our products and create your ideal LED configuration in a few clicks.



Knowledge Center; find all the "how-to" videos you need, and stay tuned as new videos will be added soon!



My Lighting; review your orders, and check order status and delivery information in My Lighting.



News; includes webinars, tutorials, OEM videos, event information and marketspecific insights.



My account; customize your dashboard, set notifications.



Webshop; order samples of our newest products, or find out the last status of your order.



MultiOne; find all information and software files you need in this new widget.



FAQ Connected; all your questions about connected are answered in this widget!



Compose & Connect Configurator; build your connected system from a wide variety of smart products, including the ones working with Philips field app MC.

NEW



OEM LED Catalog has gone digital!

From anywhere and anytime, access the interactive catalog and browse easily through the Philips products overview or stay updated by reading the articles. Take the most out of the new digital version:

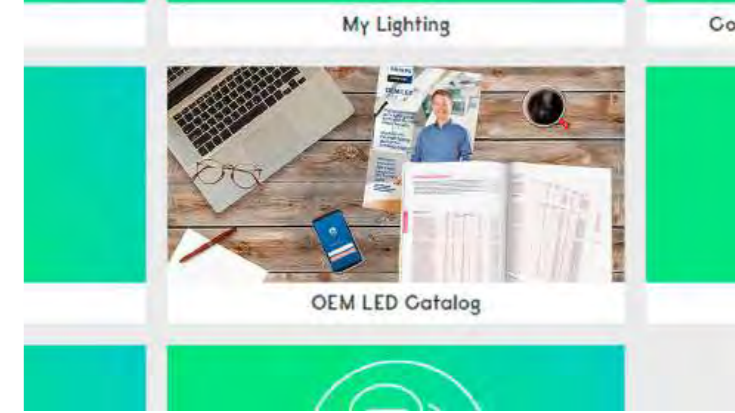
- Use the clickable navigation bar to jump to your desired section.
- Bookmark pages or add sticky notes for future reference.
- Adjust your screen view according to personal preference.
- **My Technology Portal exclusive option** – find out more information about your favorite product by clicking on it.



View the catalog on our website or enjoy the extended functionalities once logged in to My Technology Portal.

Click here!

To benefit from the exclusive option of clickable 12NC codes, you need to log in to My Technology Portal. Just access the OEM LED catalog widget on your dashboard and enjoy the easy functionality.



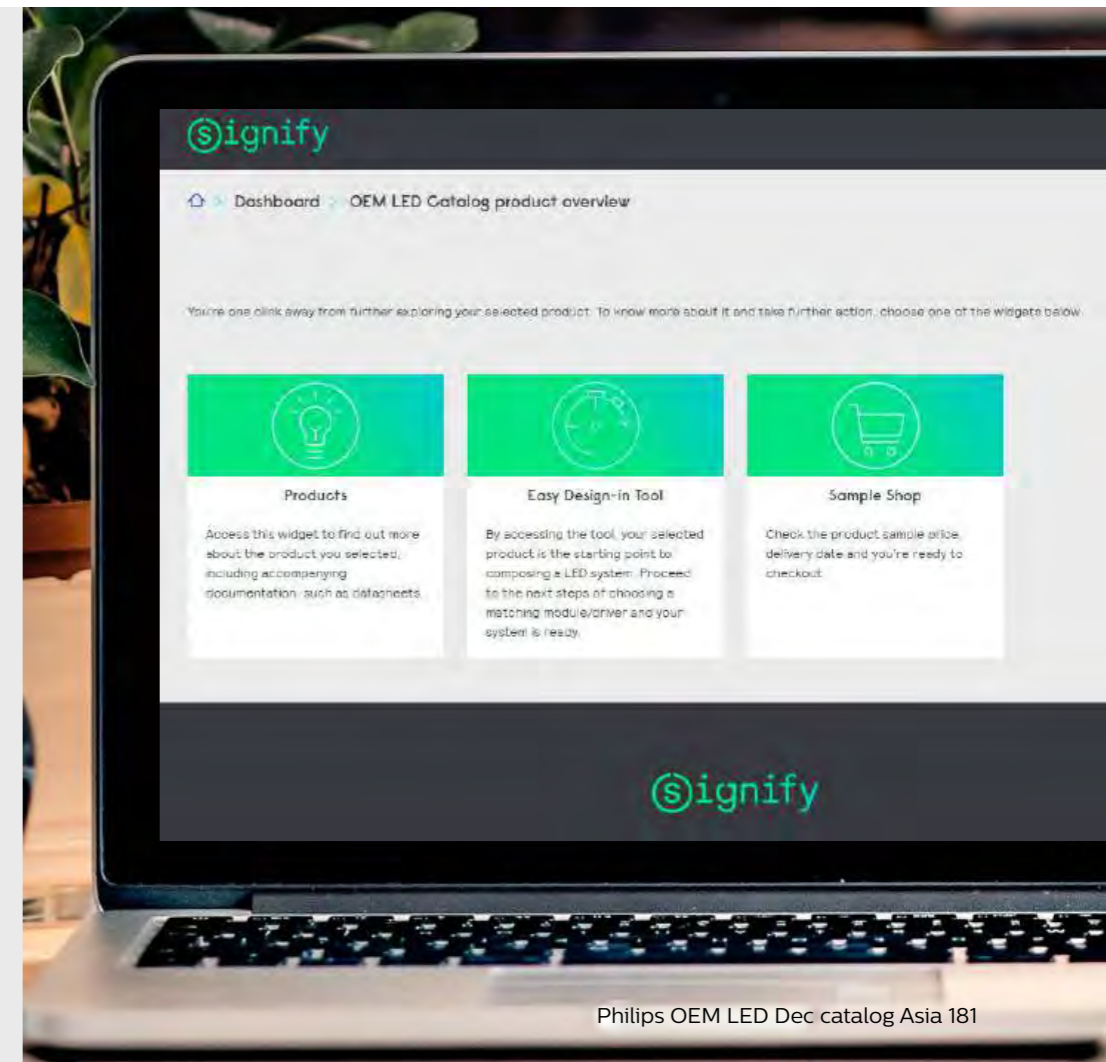
Now your favorite product is one click away

You're just one click away from more information about the product you're interested in. The new feature allows you to click any 12NC product code, which will redirect you to a product-specific page within the My Technology Portal environment.



The choice is yours – order a sample via the webshop, view documentation within the products widget or compose a connected system in Easy Design-In Tool. All choices are tailored around your selected product.

Take the chance, because now, your favorite product is one click away!





MultiOne

Drive your lighting business, now via your mobile!

Our range of MultiOne tools is constantly expanding, the latest addition to the software family being MultiOne Mobile. All the tools are designed to provide the right support at every stage in the production process – from installation to maintenance.



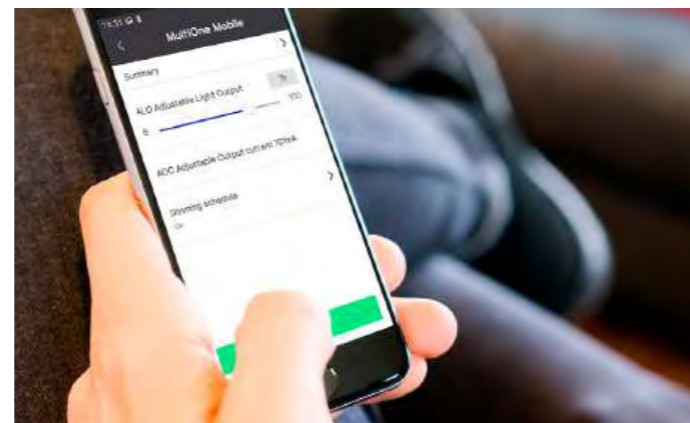
What are the benefits of MultiOne Mobile?



- The tool enables configuring your Philips drivers in a later stage within the production – installation process.
- Contributes to lowering your inventory, because standard luminaires can be used for multiple applications.
- Suitable for all Signify SimpleSet (NFC) drivers which are supporting ALO (Adjustable Light Output) feature and optionally DynaDimmer.
- Built on open standard technology like Near Field Communication (NFC), Android and Bluetooth.
- User friendly interface and no need for registration.

To support the worldwide available range of Philips SimpleSet drivers, which can be configured via NFC, Signify introduces a simple tool to finetune luminaires' settings – MultiOne Mobile. The latest addition to the MultiOne tools family covers the entire process from installation, maintenance and in-field configurations, MultiOne Mobile provides the opportunity for OEMs to increase the flexibility of their luminaires in own application areas. As well as for installers to apply last minute changes on light output, dimming schemes and generate reports for complete traceability.

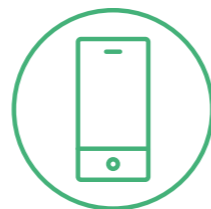
Start configuring now, MultiOne Mobile is available for download on Google Play.



Enables last minute changing of light output and the DynaDimmer scheme for outdoor drivers



Increases diversity of offering and lowers inventory as standard luminaires can be used for multiple applications



Runs on smart phones and uses the SimpleSet interface, available on most Philips drivers

The MultiOne tools family

Each tool has specific functions that will bring maximum benefit for each specific production stage. Check out the table below to see which tool is the most appropriate for your needs.

Overview of tools

	PC based application	Cloud based application	Smartphone (Android)	SimpleSet	DALI	API link	Restricted access	Read settings	Create feature file	Read out Driver diagnostics	Create DALI schedule file	Log-file of created settings	Print label	Control via M2M interface
MultiOne Basic / Express	●			●										
MultiOne Mobile			●	●								●		
MultiOne Cloud		●				●			●					
MultiOne Web		●		●	●		●	●	●	●				
MultiOne Engineering	●			●	●			●	●	●	●			
MultiOne WorkFlow	●			●	●							●	●	●

- Current MultiOne tools functionalities
- Next-generation MultiOne tools functionalities

More information and download links for MultiOne can be found via this link: www.lighting.philips.co.uk/oem-emea/products/philips-multione-configurator



Our improved Easy Design-In Tool – the tool you trust, but now even better

Making your work easier every day, your way!



- Search easily and save time.
- Find validated combinations.
- Show life-cycle status and offer access to archived products.
- Select from FlexTune and SR components.
- Compose wireless lighting networks that work with the Philips field app MC.

We recognize your growing need to easily and quickly search, find and select LED system components for both new and replacement systems. Check out our product offering using the enhanced search option, or let the tool guide you by clicking the “Guide me” button. Easy Design-In Tool is here to help you, your way, every day!

Playground – Drivers & modules in one view

Whether selecting a LED module, driver or when composing an entire LED system, you can explore and select all on a single view adjusted for your task. Flexibility on concurrently choosing multiple solutions and decide later on which one to keep. All calculated results are validated by us to support product warranties. Once satisfied, you can download your preferred solution including documentation or purchase your samples.

Your guide into a complete connected system

Turn your existing LED system into a connected one in a few clicks. It's quick and easy to compose systems and feature sets for every application. Explore a wide range of smart products that work with the Philips field app MC – SR drivers, EasyAir sensors, Zigbee switches, SR certified partner products and more. Additionally, complement your system with our emergency products.

Get your value, use log on

Being part of your journey with us, the tool provides a smarter way to streamline your workflow. You can even set your personal working environment by storing your filter settings and preferred view. Simply log-in with your My Technology Portal account to access customized views and connect to other digital support tools. One account for all tools and services.

Get into the habit

To see just how easy life could be, login and start exploring the tool at easydesignintool.signify.com – your trusted advisor.



“We choose Signify because of the Easy Design-In Tool.”

Pilar Torres Villodre, Purchasing Manager, Orbit Lighting



Together with Easy Design-In Tool, this one-stop tool builds connected systems in a few clicks. Explore a wide range of smart products that work with Philips field app MC – SR drivers, EasyAir sensors, Zigbee switches, SR certified partner products and more. Composing your FlexTune Tunable White system is now possible too. It's quick and easy to compose systems and feature sets for every application. Then purchase samples or continue building your system in Easy Design-In Tool. Start configuring, get connected now!

- Select from SR components.
- Products that work with Philips field app MC.
- Build a FlexTune system (Tunable White).



Step 1

Start composing your connected system. Access the tool via My Technology Portal, using Easy Design-In Tool or access this link www.composeconnectconfigurator.signify.com

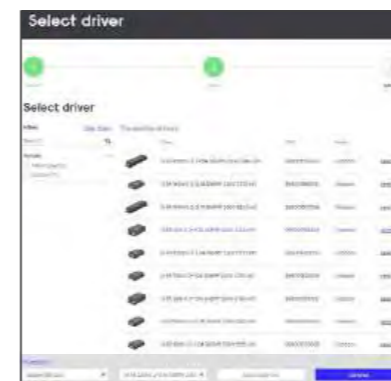
Select your application area or follow the two-step selector guide.

Step 2

Explore SR nodes. Use the filters on the left to show only those that match your criteria.

Certified SR partner products are on the second tab with the same filters.

Your chosen SR node will be shown in the “My selection” window at the bottom of the page. Click **continue**.



Step 3

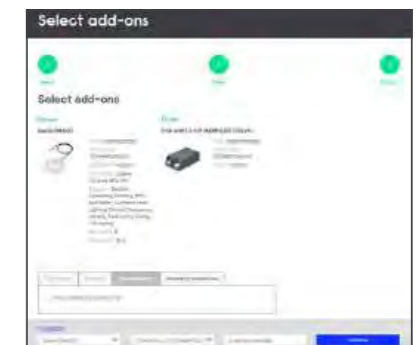
Next, you'll see compatible SR drivers. Use the filters to match your criteria, then select your preferred choice.

Your chosen SR driver will be displayed in the “My selection” window at the bottom of the page. Click **continue**.

Step 4

Explore accessories for your system. Mandatory choices are automatically selected for you.

All your chosen accessories will appear at the bottom. Click **continue**.



Step 5

View your selected products.

Follow the data links for more info or add LED modules in Easy Design-In Tool to complete your system. Or download a PDF system summary for a product overview and documentation.

You can also purchase samples in our web shop. Start configuring, get connected now!

- save time
- easy upgrades
- approved combinations
- compose connected systems

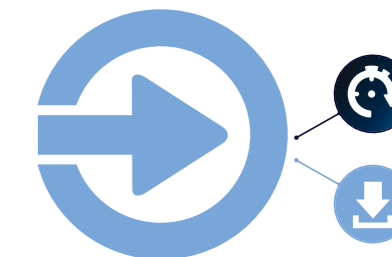
NEW

Easy Design-In Tool 2.0

Making your work

easier every day

The growing complexity of LED systems can be difficult to navigate. Added to that we understand you are challenged with generation updates too. Consequently, we see your growing need to easily find and select components, both for new systems and replacements. Using Easy Design-In Tool 2.0 (EDIT 2.0) you can address this! EDIT 2.0 can guide you from your question to our proposed solution using the Wizard. On the Designer page you can find all modules and drivers side-by-side for a complete overview at a glance. To make sure you see just what you need, you can customize your view and store that in your profile settings. EDIT 2.0 is expanding to enable you to compose connected solutions. EDIT 2.0 is here to help you, every day.



EDIT 2.0 is even smarter - use log on

Being part of your journey with us, EDIT 2.0 gives you a smarter way to streamline your workflow. You can even set your personal working environment. Simply log on with your My Technology Portal account to access customized views and connect to other OEM support tools.

My Technology Portal

EDIT 2.0 connects to My Technology Portal, so it's easy to contact your key account manager for price guides, to get help with finding the right LED products or to discuss your freshly-found system solution. Visit our Knowledge Center to discover even more valuable EDIT 2.0 tips and tricks that you can incorporate into your daily routine and explore the full spectrum of EDIT 2.0's capabilities. You can find tutorials, webinars and walk-throughs here.

NEW

Compose to connect

Just released, as part of EDIT 2.0 this tool is a one-stop solution to build a connected system within few clicks. It lets you explore a wide variety of smart products ranging from SR drivers to EasyAir controllers or SR certified products; leading you to quickly compose a system based on desired application together with feature set. Most importantly, it has seamless integration within EDIT 2.0 to help you get on easily! Get connected NOW!

Get the EDIT habit

To see just how easy life could be log on and start exploring EDIT 2.0 at www.apr.easydesignintool.philips.com - your trusted advisor.

EDIT - Proven to save time

As well as helping you find products and configure systems, the results EDIT calculates are verified by us to support our product warranties. It's the industry's benchmark that's trusted by thousands of luminaire designers and product engineers.

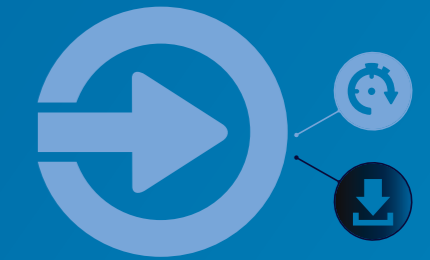
- quick and easy to use
- compose your system with confidence
- filter by application or specifications
- associate drivers and modules
- simulate system performance at operating conditions
- reliable, approved solutions
- download system summaries with full technical details.





MultiOne configuration software Configuring devices has **never been easier**

As customers demand more flexibility and diversity in their lighting solutions, customization is key. With MultiOne you have an intuitive tool that makes configuring devices quick and simple. It works by accessing the features that are already built into our drivers and sensors, so you can quickly adjust the parameters and make last-minute changes to suit different requirements.



MultiOne tools to configure all your components fast and reliably

One of the great benefits of MultiOne is that you can use it to configure and test devices during production. It also combines configurability with diagnostics, so you can check status and do a complete quality analysis on returns from the field. All with one tool that supports the complete range of Philips configurable drivers and components.

For wireless configuration we also have MultiOne SimpleSet. Based on NFC technology, it enables you to configure sensors and Xitanium LED drivers without connecting to mains power.

For easy configuration of LED current only, we've introduced MultiOne Basic. This tool is available on My Technology Portal.

Download
FREE at
philips.com/MultiOne

Customize lighting for every application

✓ Configure functions

- output current
- light output
- start-up time
- end-of-life indication
- diagnostics and energy metering
- SR power supply
- luminaire information.

✓ Add security

- module temperature protection
- driver temperature limit
- emergency feature
- OEM write protection.

✓ Create savings

- constant light output
- dimming interface
 - 1-10 V dim level
 - AmpDim
 - LumiStep
 - DynaDimmer
 - corridor mode
 - touch and dim.

Sensor and driver technology is changing all the time, so don't forget to keep checking www.philips.com/MultiOne for new features that will keep you ahead of the game.

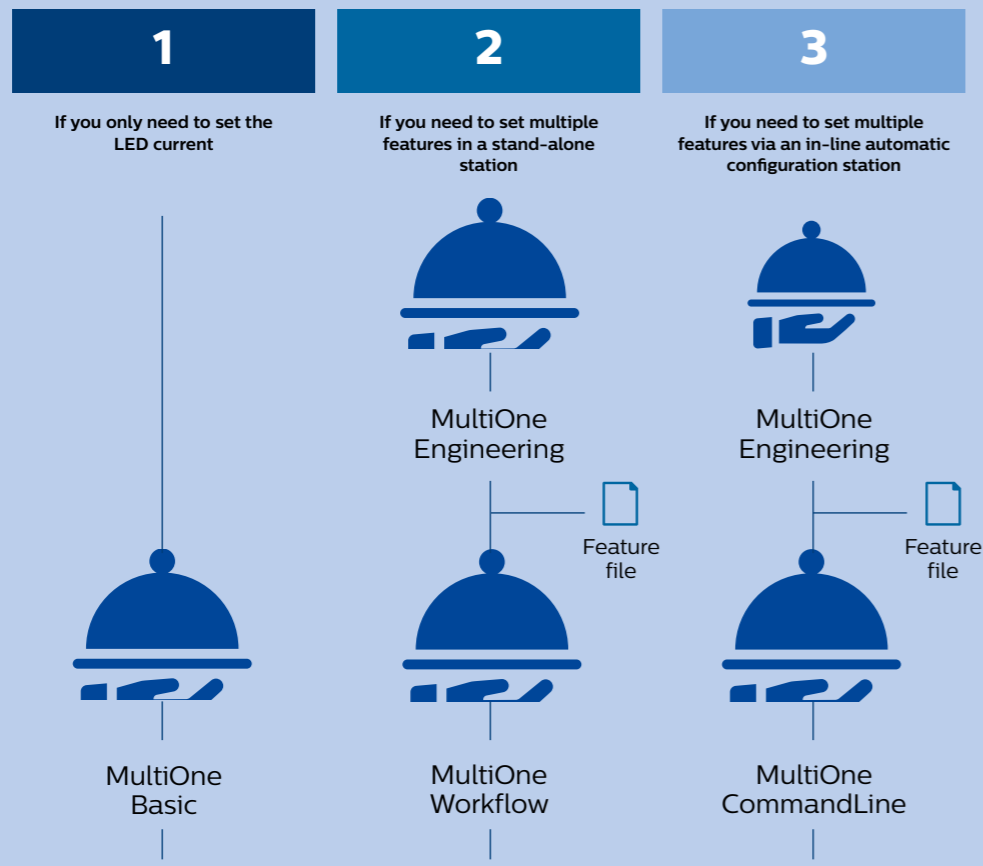
Easy does it

MultiOne. Three simple set-ups

There are three simple set-ups to follow, depending on which parameters and devices you're working with.

MultiOne Basic is a stand-alone solution that offers quick and easy manual configuration of the LED current at any stage of production. MultiOne Engineering creates feature files that can be used with MultiOne Workflow for full configuration in a standalone, manually-operated workstation. And MultiOne CommandLine offers full, automatic configuration of multiple features when integrated into inline stations.

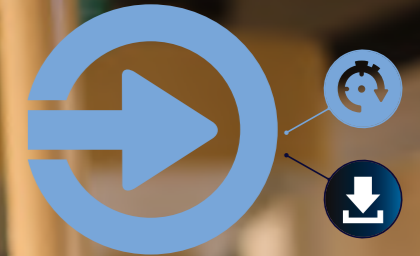
Configuration set-up



Simply configure the current read out settings and ID.

Devices can be configured manually via Workflow. A barcode scanner, label printing and log results can be added as options.

Via CommandLine, MultiOne can be integrated in the in-line tester for automatic configuration.



MultiOne interfaces

Type of tool	Name	12nc	DALI	SimpleSet	Distance	Basic	Workflow	Command-Line
	LCN8600 Philips MultiOne Interface USB2DALI	913700346703	✓		-		✓	✓
	LCN9610 FEIG MultiOne SimpleSet Interface	929000999406		✓	1cm		✓	✓
	LCN9620 FEIG MultiOne SimpleSet Interface	929000999506		✓	1cm	✓	✓	✓
	LCN9630 FEIG MultiOne SimpleSet Interface	929001546306		✓	1-20cm	✓	✓	✓

With SimpleSet based on NFC technology it's quick and easy to configure fixtures and devices.

To see just how easy we've made configuration, go to www.philips.com/MultiOne and explore MultiOne.

Configurability, commissioning and connectivity.

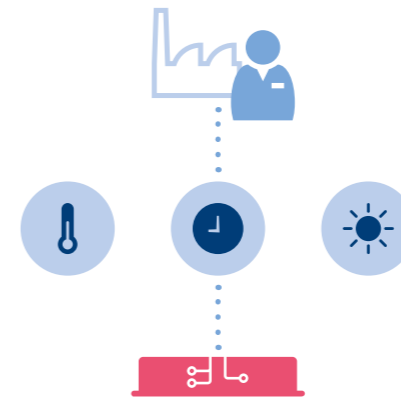
Are you getting your wires crossed?

Lighting technology is evolving at a rapid pace, bringing exciting possibilities for you and your customers. But with so many new introductions and features, there is a lot of new terminology to understand. See opposite for a helpful explanation:



Configurability

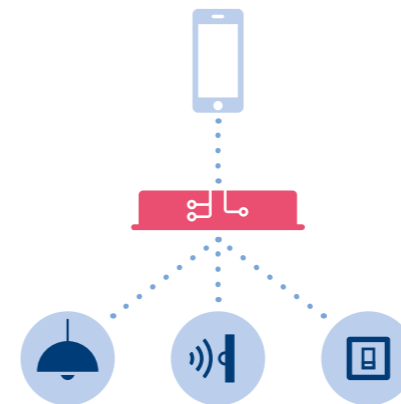
This refers to the **driver or sensor features that can be configured in your factory** using DALI, SR or SimpleSet (NFC) technology. You can set up a range of parameters including:



- adjustable output current for the LED module
- corridor mode with light levels and fade-time settings for presence detection
- DynaDimmer for autonomous light levels and timers for outdoor dimming
- LineSwitch for light levels, ramp up and fade down with central outdoor control
- configure that the new TrustSight emergency system switches to central battery during mains failure
- start-up time to gradually increase light levels at switch on
- module temperature protection for over-temperature conditions
- driver temperature limit to protect driver at over-temperature.

Commissioning

This refers to the **grouping capabilities you can set once the lighting solution has been installed** on site. Using a smart phone and an infrared signal, it is possible to link:

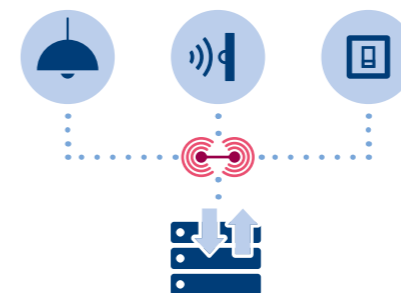


- drivers
- luminaires
- switches
- sensors.

This enables you to tailor a lighting installation, setting discreet lighting zones and parameters within one location to suit a range of different needs.

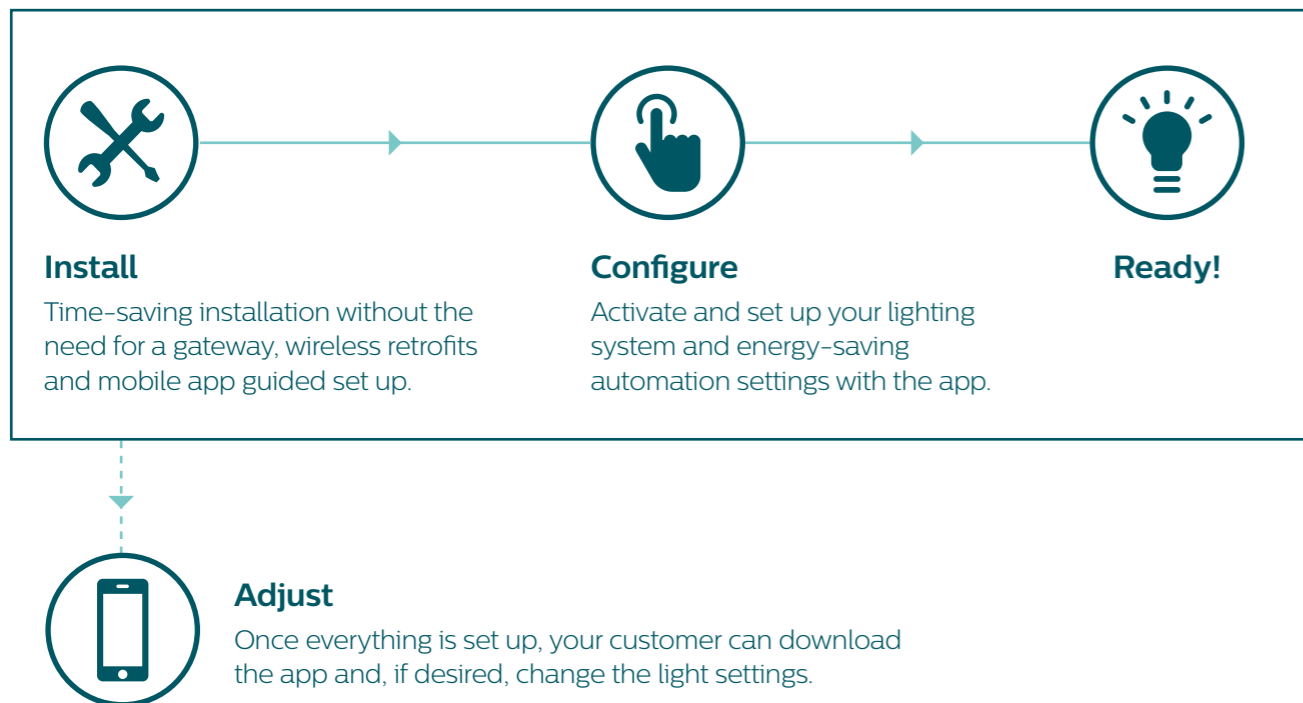
Connectivity

This refers to **the wireless connection** between drivers, luminaires, switches and sensors. The Zigbee language of connected lighting enables you to:



- create new ways to use light
- download and upload information
- improve comfort and convenience
- save energy.

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



PHILIPS

MasterConnect



Real pros choose new connections for new opportunities.

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

Works with Interact and Philips MasterConnect apps



REAL PROs
REAL QUALITY

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://www.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

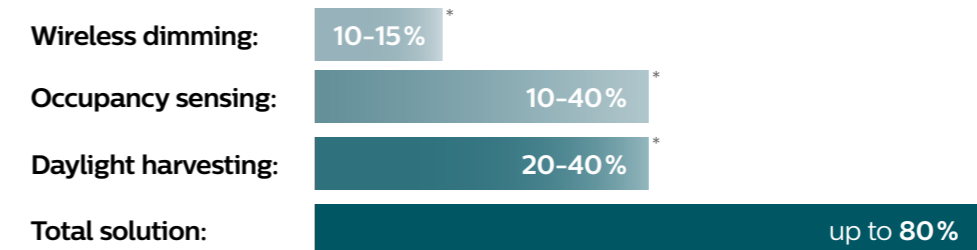
- Automated lighting through occupancy detection
- Daylight harvesting



Add a gateway for connected lighting

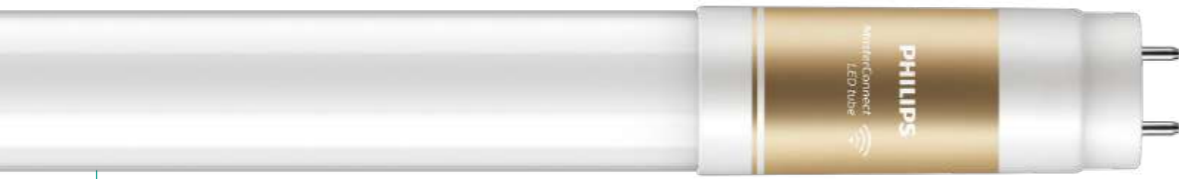
- Preventive maintenance of light
- Remote and personal control of lighting
- Management dashboard

Tap the full potential of energy savings



*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



Visit philips.com/masterconnect for an overview of compatible control devices and systems.

Simple. Scalable. Standardized.

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



Truly easy installation

- ✓ Wireless retrofits – minimum renovation
- ✓ No additional wiring and gateway needed
- ✓ Intuitive mobile app set up – ‘install and forget’

More convenient than ever before

- ✓ Lighting automation enhances comfort
- ✓ Wireless dimming
- ✓ Easily set up scenes
- ✓ No gateway – no IT impact

Reliable quality

- ✓ Wide selection of high-quality LED lamps
- ✓ Minimal maintenance thanks to guaranteed product lifetime and system reliability

Improved energy savings

- ✓ Various lighting control strategies available to improve energy efficiency and maximize savings

Future-proof solution

- ✓ Become a trusted advisor and set up service contracts for recurring business

Grow your business, grow your light

- ✓ Upgradable to a cloud-based solution without reinvesting in hardware

Want to know more? Visit philips.com/masterconnect

MasterConnect LEDtube



interact ready.

60000h 10 PACK

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	A++	71748300
MC LEDtube IA 600mm HO 7W865 T8			Wireless Dim	160 °	83	6500	A++	71750600
MC LEDtube IA 1200mm UO 16W840 T8	16	2500	Wireless Dim	160 °	83	4000	A++	66970600
MC LEDtube IA 1200mm UO 16W865 T8			Wireless Dim	160 °	83	6500	A++	66972000
MC LEDtube IA 1500mm UO 25W840 T8	25	3700	Wireless Dim	160 °	83	4000	A++	66976800
MC LEDtube IA 1500mm UO 25W865 T8			Wireless Dim	160 °	83	6500	A++	66978200

MasterConnect LEDspot



interact ready.

25000h 10 PACK

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	A+	69392300
MC LEDspot IA 4.7-50W GU10 930 36D			Wireless Dim	36 °	90	3000	A+	69394700
MC LEDspot IA 4.7-50W GU10 940 36D			Wireless Dim	36 °	90	4000	A+	69396100

Smart sensor



10 PACK

Product Type	IP rating	EOC code
1 OCC Sensor IA CM IP42 WH (presence detection)	IP42	77752700
2 OCC-DL SENSOR IA CM IP42 WH (presence + daylight detection)		77754100
3 OCC Sensor IA CM IP65 WH (presence detection)	IP65	74542400
4 OCC-DL Sensor IA CM IP65 WH (presence + daylight detection)		74545500

Smart wall-switch



1 PACK

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

Interact Pro – Gateway



interact Pro

1 PACK

Product Type	EOC code
LCN1840/05 Wireless Gateway EU	77579000



Kitchen & Accessories

Combine Your Own Kitchen

Light quality and reliability is vital for hospitality, retail segment

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.

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

- Warm, comfortable ambience
- Dim to the right level
- 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 & E210 based fixtures

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 rooms requiring adjustable settings



GU5.3

E210

Product specifications

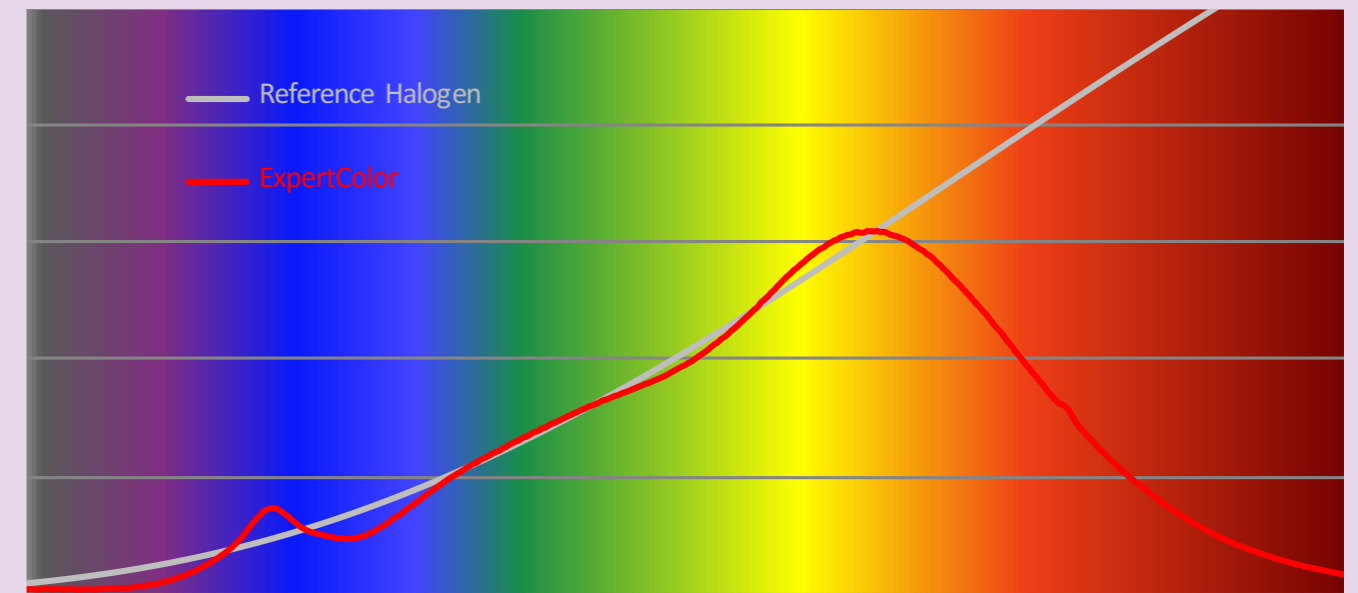
Product type	Power wattage	Replaced wattage	Base	Beam angle	Lumen	Color temp.	Intensity	Lifetime	CRI	Voltage	Dimming	Product code
	W	W		°	lm	K	Cd	Hours	Ra	V		12NC
MAS LED MR16 ExpertColor 7.2-50W 927 10D	7.2	50	GU5.3	10	450	2700	4500	40000	97	12	Yes	929001241908
MAS LED MR16 ExpertColor 7.2-50W 930 10D	7.2	50	GU5.3	10	480	3000	5000	40000	97	12	Yes	929001242008
MAS LED MR16 ExpertColor 7.2-50W 940 10D	7.2	50	GU5.3	10	480	4000	5000	40000	97	12	Yes	929001242108
MAS LED MR16 ExpertColor 7.2-50W 927 24D	7.2	50	GU5.3	24	450	2700	2200	40000	97	12	Yes	929001242208
MAS LED MR16 ExpertColor 7.2-50W 930 24D	7.2	50	GU5.3	24	480	3000	2400	40000	97	12	Yes	929001242308
MAS LED MR16 ExpertColor 7.2-50W 940 24D	7.2	50	GU5.3	24	480	4000	2400	40000	97	12	Yes	929001242408
MAS LED MR16 ExpertColor 7.2-50W 927 36D	7.2	50	GU5.3	36	450	2700	1350	40000	97	12	Yes	929001242508
MAS LED MR16 ExpertColor 7.2-50W 930 36D	7.2	50	GU5.3	36	480	3000	1450	40000	97	12	Yes	929001242608
MAS LED MR16 ExpertColor 7.2-50W 940 36D	7.2	50	GU5.3	36	480	4000	1450	40000	97	12	Yes	929001242708
MAS LED MR16 ExpertColor 7.2-50W 927 60D	7.2	50	GU5.3	60	450	2700	410	40000	97	12	Yes	929001341408
MAS LED MR16 ExpertColor 7.2-50W 930 60D	7.2	50	GU5.3	60	480	3000	440	40000	97	12	Yes	929001341508
MAS LED MR16 ExpertColor 7.2-50W 940 60D	7.2	50	GU5.3	60	480	4000	440	40000	97	12	Yes	929001341608
MAS MR16 ExpertColor 7.2-50W 927 10D E210	7.2	50	E210	10	450	2700	4500	40000	97	12	Yes	929001302318
MAS MR16 ExpertColor 7.2-50W 930 10D E210	7.2	50	E210	10	480	3000	5000	40000	97	12	Yes	929001302418
MAS MR16 ExpertColor 7.2-50W 940 10D E210	7.2	50	E210	10	480	4000	5000	40000	97	12	Yes	929001302518
MAS MR16 ExpertColor 7.2-50W 927 24D E210	7.2	50	E210	24	450	2700	2200	40000	97	12	Yes	929001302618
MAS MR16 ExpertColor 7.2-50W 930 24D E210	7.2	50	E210	24	480	3000	2400	40000	97	12	Yes	929001302718
MAS MR16 ExpertColor 7.2-50W 940 24D E210	7.2	50	E210	24	480	4000	2400	40000	97	12	Yes	929001302818
MAS MR16 ExpertColor 7.2-50W 927 36D E210	7.2	50	E210	36	450	2700	1350	40000	97	12	Yes	929001302918
MAS MR16 ExpertColor 7.2-50W 930 36D E210	7.2	50	E210	36	480	3000	1450	40000	97	12	Yes	929001303018
MAS MR16 ExpertColor 7.2-50W 940 36D E210	7.2	50	E210	36	480	4000	1450	40000	97	12	Yes	929001303118



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 that was, for long, only possible with traditional halogen lamps.



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

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.).

Features

- Dimmable (7W and 8W versions)
- Patented intelligent driver
- Air movement mechanism
- Lifetime of 25,000-40,000 hours
- CRI80-90

- Clearly defined beam spread for accent lighting
- Compatible with an extensive range of transformers and smooth dimming for dimmable products
- High lumen maintenance with long lifetime
- Up to 80% energy savings compared to halogen lamp
- Can be retrofitted with low-voltage MR16 halogen lamps with GU5.3 sockets

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

Benefits

- High intensity of beam equivalent to halogen spots
- Better color realization with high CRI value



Product specifications

Product Type	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming	Product code
	W	W	K	°	lm	Cd	Hours	Ra	V		12NC
MAS LED 5.5-35W MR16 827 36D Dim	5.5	35	2700	36	520	1000	25000	80	12	Yes	929001325908
MASTER LED 7-50W 927 MR16 10D Dim	7	50	2700	10	500	5300	40000	90	12	Yes	929001879508
MASTER LED 7-50W 930 MR16 10D Dim	7	50	3000	10	500	5300	40000	90	12	Yes	929001879608
MASTER LED 7-50W 940 MR16 10D Dim	7	50	4000	10	530	5600	40000	90	12	Yes	929001879708
MASTER LED 7-50W 927 MR16 24D Dim	7	50	2700	24	500	2500	40000	90	12	Yes	929001879808
MASTER LED 7-50W 930 MR16 24D Dim	7	50	3000	24	500	2500	40000	90	12	Yes	929001879908
MASTER LED 7-50W 940 MR16 24D Dim	7	50	4000	24	530	2700	40000	90	12	Yes	929001880008
MASTER LED 7-50W 927 MR16 36D Dim	7	50	2700	36	500	1400	40000	90	12	Yes	929001880108
MASTER LED 7-50W 930 MR16 36D Dim	7	50	3000	36	500	1400	40000	90	12	Yes	929001880208
MASTER LED 7-50W 940 MR16 36D Dim	7	50	4000	36	530	1500	40000	90	12	Yes	929001880308
MASTER LED 7-50W 927 MR16 60D Dim	7	50	2700	60	500	500	40000	90	12	Yes	929001880408
MASTER LED 7-50W 930 MR16 60D Dim	7	50	3000	60	500	500	40000	90	12	Yes	929001880508
MASTER LED 7-50W 940 MR16 60D Dim	7	50	4000	60	530	550	40000	90	12	Yes	929001880608
MASTER LED 8-50W+ 827 MR16 24D Dim	8	50	2700	24	660	3100	40000	80	12	Yes	929001881308
MASTER LED 8-50W+ 830 MR16 24D Dim	8	50	3000	24	660	3250	40000	80	12	Yes	929001881408
MASTER LED 8-50W+ 827 MR16 36D Dim	8	50	2700	36	660	1700	40000	80	12	Yes	929001881608
MASTER LED 8-50W+ 830 MR16 36D Dim	8	50	3000	36	660	1700	40000	80	12	Yes	929001881708
MASTER LED 8-50W+ 840 MR16 36D Dim	8	50	4000	36	710	1800	40000	80	12	Yes	929001881808



4W



5.5W

Product specifications

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

Master LED MR11

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

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

Applications

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



Product specifications

Product Type	Power Wattage	Replaced Wattage	Beam Angle	Lumen	Color temp.	Intensity	Life Time	CRI	Voltage	Dimming	Product code
	W	W	°	lm	K	Cd	Hours	Ra	V		12NC
CorePro LED spot 2.3-20W 827 MR11 36D	2.3	20	36	200	2700	400	25000	80	12	No	929002066402
MAS LEDspotLV 3.5-20W 827 MR11 24D	3.5	20	24	210	2700	1000	40000	80	12	No	929001123868

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.

Features

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

Benefits

- Emphasize merchandise display with strong intensive light
- Trimless design enables integrated look with luminaires 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 luminaires
- Safe for illuminating heat-sensitive objects (food, organic materials, paintings, etc.)

Applications

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



MR16 GU5.3

Product specifications

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

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 LEDs have a 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.

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 objects

Benefits

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

Applications

- Retail
- Hospitality
- Residential/Home



ExpertColor GU10



Master GU10



Essential GU10



Product specifications

Product Type	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming	Product code
	W	W	K	Degree	lm	cd	Hours	Ra	V		12NC
MAS LED ExpertColor 5.5-50W GU10 927 24D	5.5	50	2700	24	385	1000	40000	97	220-240	Yes	929001347008
MAS LED ExpertColor 5.5-50W GU10 930 24D	5.5	50	3000	24	405	1000	40000	97	220-240	Yes	929001347108
MAS LED ExpertColor 5.5-50W GU10 927 36D	5.5	50	2700	36	385	800	40000	97	220-240	Yes	929001347308
MAS LED ExpertColor 5.5-50W GU10 930 36D	5.5	50	3000	36	405	800	40000	97	220-240	Yes	929001347408
Master LED 5-50W GU10 927 36D Dim	5	50	2700	36	395	650	25000	90	220-240	Yes	929001348808
Master LED 5-50W GU10 930 36D Dim	5	50	3000	36	405	650	25000	90	220-240	Yes	929001348908
Master LED 5-50W GU10 940 36D Dim	5	50	4000	36	420	700	25000	90	220-240	Yes	929001349008
MAS LEDspot VLE D 5-50W GU10 830 36D Dim	5	50	3000	36	400	650	25000	80	220-240	Yes	929002348402
MAS LEDspot VLE D 5-50W GU10 840 36D Dim	5	50	4000	36	450	750	25000	80	220-240	Yes	929002351102
MAS LEDspot VLE D 5-50W GU10 865 36D Dim	5	50	6500	36	450	750	25000	80	220-240	Yes	929002369602
Essential LED 4.6-50W GU10 827 36D	4.6	50	2700	36	395	700	15000	80	220-240	No	929001215208
Essential LED 4.6-50W GU10 830 36D	4.6	50	3000	36	410	740	15000	80	220-240	No	929001218108
Essential LED 4.6-50W GU10 865 36D	4.6	50	6500	36	430	770	15000	80	220-240	No	929001218308
MAS LED spot VLE D 6.2-80W GU10 930 36D	6.2	80	3000	36	650	850	25000	90	220-240	Yes	929002068402
MAS LED spot VLE D 6.2-80W GU10 940 36D	6.2	80	4000	36	680	850	25000	90	220-240	Yes	929002066002
MAS LED spot VLE D 6.2-80W GU10 965 36D	6.2	80	6500	36	680	850	25000	90	220-240	Yes	929002209902
MAS LED spot VLE D 650lm GU10 930 120D	6.2	80	3000	120	650	850	25000	90	220-240	Yes	929002210002
MAS LED spot VLE D 680lm GU10 940 120D	6.2	80	4000	120	680	850	25000	90	220-240	Yes	929002210102
MAS LED spot VLE D 680lm GU10 965 120D	6.2	80	6500	120	680	850	25000	90	220-240	Yes	929002210202



Master LED AR111

With its new Perfect-fit design, the Philips LED AR111 now works with most luminaries in the market as a true retrofit. The lamp creates a brilliant visual effect for retail and hospitality applications like shops, showrooms and galleries. The high quality light brings out the true colors in merchandise, including reds. Philips LED AR111 is an ideal retrofit solution for spot, track and general lighting applications in the hospitality and retail industry. The robustly designed Philips LED AR111 offers a well defined beam with a multitude of beam angles to suit various applications. This replacement lamp on 12V provides the light intensity and quality produced by traditional halogen lamps of 50W, 75W or 100W.

Features

- Patented intelligent driver
- Lifetime of 25,000 to 40,000 hours
- Low energy consumption
- Clearly defined beam spread
- UV- and IR-free light for less heat and protection for heat-sensitive objects

Benefits

- Up to 80% energy savings compared to halogen lamp
- Broad compatibility with transformers
- Easy retrofit

Applications

- Retail, F&B, hospitality
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, washrooms, reception areas



11W-20W

Product specifications

Product Type	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming	Product code
	W	W	K	Degree	lm	cd	Hours	Ra	V		12NC
MAS LED ExpertColor 11-50W 927 AR111 8D	11	50	2700	8	680	8000	40000	97	12	Yes	929002238408
MAS LED ExpertColor 11-50W 930 AR111 8D	11	50	3000	8	730	8000	40000	97	12	Yes	929002238508
MAS LED ExpertColor 11-50W 927 AR111 24D	11	50	2700	24	650	3000	40000	97	12	Yes	929002238608
MAS LED ExpertColor 11-50W 930 AR111 24D	11	50	3000	24	680	3000	40000	97	12	Yes	929002238708
MAS LED ExpertColor 11-50W 927 AR111 40D	11	50	2700	40	650	1300	40000	97	12	Yes	929002238808
MAS LED ExpertColor 11-50W 930 AR111 40D	11	50	3000	40	680	1300	40000	97	12	Yes	929002238908
MAS LED ExpertColor 15-75W 927 AR111 24D	15	75	2700	24	950	3500	40000	97	12	Yes	929002239008
MAS LED ExpertColor 15-75W 930 AR111 24D	15	75	3000	24	1000	3500	40000	97	12	Yes	929002239108
MAS LED ExpertColor 15-75W 927 AR111 40D	15	75	2700	40	950	1400	40000	97	12	Yes	929002239308
MAS LED ExpertColor 15-75W 930 AR111 40D	15	75	3000	40	1000	1400	40000	97	12	Yes	929002239408
MAS LED SpotLV 20-100W 930 AR111 12D	20	100	3000	12	1250	8000	25000	90	12	Yes	929002239608
MAS LED SpotLV 20-100W 940 AR111 12D	20	100	4000	12	1350	8000	25000	90	12	Yes	929002239708
MAS LED SpotLV 20-100W 927 AR111 24D	20	100	2700	24	1200	4000	25000	90	12	Yes	929002239808
MAS LED SpotLV 20-100W 930 AR111 24D	20	100	3000	24	1250	4000	25000	90	12	Yes	929002239908
MAS LED SpotLV 20-100W 940 AR111 24D	20	100	4000	24	1350	5000	25000	90	12	Yes	929002240008
MAS LED SpotLV 20-100W 927 AR111 40D	20	100	2700	40	1200	2000	25000	90	12	Yes	929002240108
MAS LED SpotLV 20-100W 930 AR111 40D	20	100	3000	40	1250	2000	25000	90	12	Yes	929002240208
MAS LED SpotLV 20-100W 940 AR111 40D	20	100	4000	40	1350	2200	25000	90	12	Yes	929002240308

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.

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

Applications

- Retail
- Hospitality



Product specifications

Product Type	Lamp Wattage	Replaced Wattage	Color temp.	Beam Angle	Lumen	MBCP	Life Time	CRI	Voltage	Dimming	Product code
	W	W	K	Degree	lm	cd	Hours	Ra	V		12NC
Essential LED 9-75W PAR30S 827 25D	9	75	2700	25	850	3000	15000	80	220-240	No	929001389608
Essential LED 14-120W PAR38 827 25D	14	120	2700	25	1200	5000	15000	80	220-240	No	929002339108
MAS LEDspot D 6-50W E27 827 PAR20 25D	6	50	2700	25	550	1500	25000	80	220-240	Yes	929002338008
MAS LEDspot D 12-100W E27 927 PAR30S 25D	12	100	2700	25	1000	3000	25000	90	220-240	Yes	929002030808
MAS LEDspot D 13-100W E27 927 PAR38 25D	13	100	2700	25	1100	3500	25000	90	220-240	Yes	929002339008



With
a perfectly
uniform visual
appearance

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.

Features

- Fit-and-forget LED tube, a direct replacement for T8 fluorescent tube
- Energy consumption >50% lower than fluorescent tubes
- Lifetime up to 60,000hours: 2-3 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, cold-rooms, signages
- Transport and distribution areas



Master LEDtube T8

Product specifications

Product Type	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming	Product code
	lm	W	V	K	°	Ra	Pf	Hours	Hz		12NC
MAS LEDtube 1200mm HO 14W865 T8	2100	14	220-240	6500	160	83	>0.9	50000	50/60	No	929001299408
MAS LEDtube 1200mm HO 14W840 T8	2100	14	220-240	4000	160	83	>0.9	50000	50/60	No	929001299308
MAS LEDtube 1200mm HO 14W830 T8	2000	14	220-240	3000	160	83	>0.9	50000	50/60	No	929001299208
MAS LEDtube 600mm HO 8W865 T8	1050	8	220-240	6500	160	83	>0.9	50000	50/60	No	929001299708
MAS LEDtube 600mm HO 8W840 T8	1050	8	220-240	4000	160	83	>0.9	50000	50/60	No	929001299608
MAS LEDtube 600mm HO 8W830 T8	1000	8	220-240	3000	160	83	>0.9	50000	50/60	No	929001299508
MAS LEDtube STD 1200mm 10.5W865 T8 I	1600	10.5	220-240	6500	160	83	>0.9	50000	50/60	No	929001297708
MAS LEDtube STD 1200mm 10.5W840 T8 I	1600	10.5	220-240	4000	160	83	>0.9	50000	50/60	No	929001297608
MAS LEDtube 1200mm UO 15.5W 865 T8	2500	15.5	220-240	6500	160	83	>0.9	60000	50/60	No	929002020702
MAS LEDtube 1200mm UO 15.5W 840 T8	2500	15.5	220-240	4000	160	83	>0.9	60000	50/60	No	929002020602
MAS LEDtube 1200mm UO 15.5W 830 T8	2300	15.5	220-240	3000	160	83	>0.9	60000	50/60	No	929002020502
MAS LEDtube 1500mm UO 23W 865 T8	3700	23	220-240	6500	160	83	>0.9	60000	50/60	No	929002021002
MAS LEDtube 1500mm UO 23W 840 T8	3700	23	220-240	4000	160	83	>0.9	60000	50/60	No	929002020902
MAS LEDtube 1500mm UO 23W 830 T8	3400	23	220-240	3000	160	83	>0.9	60000	50/60	No	929002020802
MAS LEDtube 1200mm UE 14.5W 865 T8	2500	14.5	220-240	6500	160	83	>0.9	70000	50/60	No	929001376902
MAS LEDtube 1200mm UE 14.5W 840 T8	2500	14.5	220-240	4000	160	83	>0.9	70000	50/60	No	929001376802
MAS LEDtube 1500mm UE 21.5W 865 T8	3700	21.5	220-240	6500	160	83	>0.9	70000	50/60	No	929001377102
MAS LEDtube 1500mm UE 21.5W 840 T8	3700	21.5	220-240	4000	160	83	>0.9	70000	50/60	No	929001377002

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 – no mercury
- Comfort to the eye, and minimal heat

Applications

- Retail, offices
- Industry, warehouses, public places,
- Schools, hospitals, car parks



CorePro LEDtube T8

Product specifications

Product Type	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming	Product code
	lm	W	V	K	°	Ra	Pf	Hours	Hz		12NC
CorePro LEDtube 600mm 8W865 T8 AP I G	800	8	220-240	6500	240	80	>0.9	30000	50/60	No	929001338708
CorePro LEDtube 600mm 8W840 T8 AP I G	800	8	220-240	4000	240	80	>0.9	30000	50/60	No	929001338608
CorePro LEDtube 1200mm 14.5W865 T8AP I	1600	14.5	220-240	6500	240	80	>0.9	30000	50/60	No	929001338908
CorePro LEDtube 1200mm 14.5W840 T8AP I	1600	14.5	220-240	4000	240	80	>0.9	30000	50/60	No	929001338808
CorePro LEDtube HO 1200mm 18W865T8 AP	2100	18	220-240	6500	240	80	>0.9	30000	50/60	No	929001383508
CorePro LEDtube HO 1200mm 18W840T8 AP	2100	18	220-240	4000	240	80	>0.9	30000	50/60	No	929001383408

CorePro LEDtube T5

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 40% 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



CorePro LEDtube T5

Product specifications

Product Type	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming	Product code
	lm	W	V	K	°	Ra	Pf	Hours	Hz		12NC
CorePro LEDtube 1200mm 16W865 G5 I	2100	16	100-240	6500	240	80	>0.9	30000	50/60	No	929001381108
CorePro LEDtube 1200mm 16W840 G5 I	2100	16	100-240	4000	240	80	>0.9	30000	50/60	No	929001381008
CorePro LEDtube 1200mm 16W830 G5 I	2000	16	100-240	3000	200	80	>0.9	30000	50/60	No	929001380908
CorePro LEDtube 600mm 8W865 G5 I	1050	8	100-240	6500	240	80	>0.9	30000	50/60	No	929001380808
CorePro LEDtube 600mm 8W840 G5 I	1050	8	100-240	4000	240	80	>0.9	30000	50/60	No	929001380708
CorePro LEDtube 600mm 8W830 G5 I	1000	8	100-240	3000	240	80	>0.9	30000	50/60	No	929001380608

LED PLC

LED PLC is a downlighting lamp replacement that delivers incredible energy savings thanks to energy efficient LED core, 30,000 hours lifetime. A retrofit lamp that's simple to install, fit most of EM ballast fixtures and requires less maintenance and servicing. So you can downsize your downlighting costs with energy efficient LED.

Features

- To ensure maximum compatibility with existing luminaires, directional PLC LED often need to be adjusted towards where light is needed most. That's why Philips PLC LED products have this feature. It allows the PLC LED to be easily rotated up to 90 degrees, giving you the freedom to direct the light to best effect.

Benefits

- High Output for high efficiency – designed to comply with key industry standards
- Reliable operation between 20°C to 35°C ambient temperature
- Rated average life of 30,000 hours
- 50,000 switching cycles

Applications

- Hallways
- Meeting Rooms
- Reception
- Staircases
- Restrooms



LED PLC

Product specifications

Product Type	Lumen	Wattage	Voltage	Color Temp.	Beam Angle	CRI	Power Factor	Lifetime	Frequency	Dimming	Product code
	lm	W	V	K	°	Ra	Pf	Hours	Hz		12NC
LED PLC 8.5W 865 2P G24d-3	1000	8.5	220-240*	6500	120	83	0.9	30000	50/60	No	929001280108
LED PLC 8.5W 840 2P G24d-3	1000	8.5	220-240*	4000	120	83	0.9	30000	50/60	No	929001201308
LED PLC 8.5W 830 2P G24d-3	900	8.5	220-240*	3000	120	83	0.9	30000	50/60	No	929001201208
LED PLC 6.5W 865 2P G24d-2	700	6.5	220-240*	6500	120	83	0.9	30000	50/60	No	929001280208
LED PLC 6.5W 840 2P G24d-2	700	6.5	220-240*	4000	120	83	0.9	30000	50/60	No	929001201508
LED PLC 6.5W 830 2P G24d-2	600	6.5	220-240*	3000	120	83	0.9	30000	50/60	No	929001201408
LED PLC 4.5W 865 2P G24d-1	500	4.5	220-240	6500	120	83	0.9	30000	50/60	No	929001350908
LED PLC 4.5W 840 2P G24d-1	500	4.5	220-240	4000	120	83	0.9	30000	50/60	No	929001350808
LED PLC 4.5W 830 2P G24d-1	475	4.5	220-240	3000	120	83	0.9	30000	50/60	No	929001350708



LED Candle and Lustre

To enhance the aesthetic appeal of chandeliers and luminaires

Master LEDcandle DimTone

Specially developed for chandeliers, we've upgraded our Master LEDcandle lamps to enhance the decorative and aesthetic appeal of luminaires – whether they are switched on or off. The new candles incorporate a revolutionary new shaped lens that allows the optics to radiate brilliant, clear and sparkling white LED light. The improved light quality provides consistent colour from every angle – even when dimmed in the most intimate of ambiances. What's more, the new ivory lamp colour is the perfect match for existing luminaires. The classic slender shape when used in multiple quantities will ensure the whole luminaire lights up brilliantly.

Features

- With DimTone technology
- Revolutionary new lens design
- Lifetime of 25,000 hours
- Retrofittable with existing E14 or B22 sockets
- Available in 25 W and 40 W

Benefits

- Sparkling white LED light
- Low energy consumption
- Dimmable, saving more energy

Applications

- Hotels, restaurants, bars, cafés
- Wall sconce or modern luminaire



Master LEDcandle DimTone

Product specifications

Product type	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Dimming	Product code
			W	W	K	lm	Hours	Ra		12NC
MAS LEDcandle DT 6-40W B38 B22 827 CL	B22	LED Candle	6.0	40	2200-2700	470	25,000	80	Yes	929001140802
MAS LEDcandle DT 6-40W B38 E14 827 CL	E14	LED Candle	6.0	40	2200-2700	470	25,000	80	Yes	929001140402
MAS LEDcandle DT 6-40W BA38 E14 827 CL	E14	LED Candle	6.0	40	2200-2700	470	25,000	80	Yes	929001140502
MAS LEDcandle DT 6-40W B38 B22 827 CL	B22	LED Candle	6.0	40	2200-2700	470	25,000	80	Yes	929001140802
MAS LEDcandle DT 6-40W B38 E27 827 CL	E27	LED Candle	6.0	40	2200-2700	470	25,000	80	Yes	929001157902
MAS LEDcandle DT 6-40W B38 B15 827 CL	B15	LED Candle	6.0	40	2200-2700	470	25,000	80	Yes	929001140302
MAS LEDcandle DT 4-25W B38 E14 827 CL	E14	LED Candle	4.0	25	2200-2700	250	25,000	80	Yes	929001139802
MAS LEDcandle DT 4-25W BA38 E14 827 CL	E14	LED Candle	4.0	25	2200-2700	250	25,000	80	Yes	929001139902
MAS LEDcandle DT 8-60W E14 B40 827 CL	E14	LED Candle	8.0	60	2200-2700	806	25,000	80	Yes	929001140402

Master LEDlustre DimTone

A new shape developed for chandeliers or open luminaires, the LEDlustre DimTone range gives off light all around due to its clear bulb head, enhancing the decorative appeal of all luminaires. The creatively shaped lens allow the optics to radiate brilliant, clear and sparkling white LED light that yet releases minimal heat. The improved light quality is beautiful, suitable for a variety of luminaires and open cords used often in hotels, F&B chains and in retail.

Features

- With DimTone technology
- Revolutionary new lens design
- Lifetime of 25,000 hours
- Retrofittable with existing E14 and E27 holders
- Available in 25 W and 40 W

Benefits

- Sparkling white LED light
- Low energy consumption
- Dimmable, saving more energy

Applications

- Hotels, restaurants, bars, cafés
- Chandelier, open luminaire, or glass luminaire



Master LEDlustre DimTone

Product specifications

Product type	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Voltage	Dimming	Product code
			W	W	K	lm	Hours	Ra	V		12NC
MAS LEDlustre DT 6-40W P48 E14 827 CL	E14	LED Lustre	6.0	40	2200-2700	470	25000	80	220-240	Yes	929001140602
MAS LEDlustre DT 6-40W P48 E27 827 CL	E27	LED Lustre	6.0	40	2200-2700	470	25000	80	220-240	Yes	929001140702
MAS LEDlustre DT 6-40W P48 B22 827 CL	B22	LED Lustre	6.0	40	2200-2700	470	25000	80	220-240	Yes	929001157302
MAS LEDlustre DT 4-25W P48 E14 827 CL	E14	LED Lustre	4.0	25	2200-2700	250	25000	80	220-240	Yes	929001140002
MAS LEDlustre DT 4-25W P48 E27 827 CL	E27	LED Lustre	4.0	25	2200-2700	250	25000	80	220-240	Yes	929001140102
MAS LEDlustre DT 8-60W E14 P50 CL	E14	LED Lustre	8.0	60	2200-2700	806	25000	80	220-240	Yes	929001211902



LED HID

An easy
LED solution with
a fast payback

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

Applications

- Industrial - Factories, Warehouses, Distribution centres
- Retail - Hyper markets, Shopping malls
- Others - Transportation hubs, Convention centres, Sports halls



TrueForce LED Highbay

Product specifications

Product type	Lumen	Wattage	Voltage	Colour Temp.	Beam Angle	CRI	Power Factor	Life time	Frequency	Dimming	Product code
	lm	W	V	K	°	Ra	Pf	Hours	Hz		12NC
TForce LED HPI ND 110-88W E40 840 60D	11000	88	Retrofit	4000	60	70	>0.7	50000	50/60Hz	No	929001356802
TForce LED HPI ND 110-88W E40 840 120D	11000	88	Retrofit	4000	120	70	>0.7	50000	50/60Hz	No	929001356902
TForce LED HIL ND 200-145W E40 840 60D	20000	145	Retrofit	4000	60	70	>0.7	50000	50/60Hz	No	929001357002
TForce LED HIL ND 200-145W E40 840 120D	20000	145	Retrofit	4000	120	70	>0.7	50000	50/60Hz	No	929001357102
TForce Core HB 200-160W E40 840 NB GM	20000	160	110-277V	4000	70	70	>0.9	25000	50/60Hz	No	929001812408
TForce Core HB 200-160W E40 840 WB GM	20000	160	110-277V	4000	130	70	>0.9	25000	50/60Hz	No	929001812508
TForce Core HB 200-160W E40 865 NB GM	20000	160	110-277V	6500	70	70	>0.9	25000	50/60Hz	No	929001812608
TForce Core HB 200-160W E40 865 WB GM	20000	160	110-277V	6500	130	70	>0.9	25000	50/60Hz	No	929001812708
TForce HB 100-85W E40 840 120D GM	10000	85	110-277V	4000	120	70	>0.9	25000	50/60Hz	No	929001875708
TForce HB 100-85W E40 865 120D GM	10000	85	110-277V	6500	120	70	>0.9	25000	50/60Hz	No	929001875908

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
- Pleasant white light with CRI 80

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, Area



TrueForce LED Public

Product specifications

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

TrueForce LED Road

Philips TrueForce LED 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, area



TrueForce LED Road

Product specifications

Product type	Lumen	Wattage	Voltage	Color temp.	Beam angle	CRI	Lamp Socket	Life time	Frequency	Dimming	Product code
	lm	W	V	K	°	Ra		Hours	Hz		12NC
TForce LED Road 40-25W E27 730	4000	25	InstantFit*	3000K	360	70	E27	50000	50/60	No	929001999402
TForce LED Road 42-25W E27 740	4200	25	InstantFit*	4000K	360	70	E27	50000	50/60	No	929001999502
TForce LED Road 55-35W E27 730	5500	35	InstantFit*	3000K	360	70	E27	50000	50/60	No	929001898402
TForce LED Road 60-35W E27 740	6000	35	InstantFit*	4000K	360	70	E27	50000	50/60	No	929001898502
TForce LED Road 84-55W E40 730	8400	55	InstantFit*	3000K	360	70	E40	50000	50/60	No	929002007402
TForce LED Road 90-55W E40 740	9000	55	InstantFit*	4000K	360	70	E40	50000	50/60	No	929002007502
TForce LED Road 112-68W E40 730	11200	68	InstantFit*	3000K	360	70	E40	50000	50/60	No	929002007602
TForce LED Road 120-68W E40 740	12000	68	InstantFit*	4000K	360	70	E40	50000	50/60	No	929002007702
TForce LED Road 55-35W E27 730 MV	5500	35	100-277	3000K	360	70	E27	50000	50/60	No	929002221708
TForce LED Road 60-35W E27 740 MV	6000	35	100-277	4000K	360	70	E27	50000	50/60	No	929002068508
TForce LED Road 60-35W E27 765 MV	6000	35	100-277	6500K	360	70	E27	50000	50/60	No	929002068608
TForce LED Road 84-55W E40 730 MV	8400	55	100-277	3000K	360	70	E40	50000	50/60	No	929002221608
TForce LED Road 90-55W E40 740 MV	9000	55	100-277	4000K	360	70	E40	50000	50/60	No	929002068708
TForce LED Road 90-55W E40 765 MV	9000	55	100-277	6500K	360	70	E40	50000	50/60	No	929002068808





LED Bulb

We started
the journey
125 years ago

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.

Features

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

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

Applications

- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, wash rooms, reception areas



Entry range LED bulb

Product specifications

Product type	Cap	Bulb Shape	Lamp Watt	Color Temp.	Lumen	Life time	CRI	Voltage	Dimming	Product code
			W	K	lm	Hours	Ra	V		12NC
LEDBulb 4W E27 3000K	E27	A60	4	3000	420	15000	80	220-240	No	929001914537
LEDBulb 4W E27 6500K	E27	A60	4	6500	420	15000	80	220-240	No	929001914737
LEDBulb 6W E27 3000K	E27	A60	6	3000	560	15000	80	220-240	No	929001914937
LEDBulb 6W E27 6500K	E27	A60	6	6500	580	15000	80	220-240	No	929001915137
LEDBulb 8W E27 3000K	E27	A60	8	3000	770	15000	80	220-240	No	929001915337
LEDBulb 8W E27 6500K	E27	A60	8	6500	770	15000	80	220-240	No	929001915537
LEDBulb 10W E27 3000K	E27	A60	10	3000	1020	15000	80	220-240	No	929001915737
LEDBulb 10W E27 6500K	E27	A60	10	6500	1020	15000	80	220-240	No	929001915937
LEDBulb 12W E27 3000K	E27	A60	12	3000	1360	15000	80	220-240	No	929001916137
LEDBulb 12W E27 6500K	E27	A60	12	6500	1360	15000	80	220-240	No	929001916337
LEDBulb 4W E27 4000K	E27	A60	4	4000	420	15000	80	220-240	No	929002048738
LEDBulb 6W E27 4000K	E27	A60	6	4000	560	15000	80	220-240	No	929002048938
LEDBulb 8W E27 4000K	E27	A60	8	4000	770	15000	80	220-240	No	929002049138
LEDBulb 10W E27 4000K	E27	A60	10	4000	1020	15000	80	220-240	No	929002047438
LEDBulb 12W E27 4000K	E27	A60	12	4000	1360	15000	80	220-240	No	929002047638

WarmGlow Dim Bulb

Philips LED Bulb WarmGlow Dimmable deliver high quality light to ensure direct replacement of GLS bulbs in indoor application. The beam of light is free of infra-red meaning no heat is radiated, and no ultra-violet light means that fabric and items under this light won't fade.

Features

- Reliable operation between -20 °C to 45 °C ambient temperature
- Rated average life of 15,000 hours (tested to B50 L70 requirement)
- 50,000 switching cycles

Benefits

- GLS dimming lighting effect
- No Visible flickering
- No UV/IR
- Light all around

Applications

- Shops, hotels, restaurants, bars, cafés
- Galleries, museums, exhibitions, lobbies, corridors, stairwells, wash rooms, reception areas



Product specifications

Product type	Cap	Bulb Shape	Lamp Wattage	Replaced GLS Wattage	Color Temp.	Lumen	Life time	CRI	Voltage	Dimming	Product code
			W	W	K	lm	Hours	Ra	V		12NC
LEDBulb 11-85W A60 E27 822-27 230V FR D	E27	A60	11	75	2700-2200	1055	15000	90	220-240	Yes	929001352779
LEDBulb 8.5-70W A60 E27 822-27 230V FR D	E27	A60	8.5	60	2700-2200	806	15000	90	220-240	Yes	929001352579

Philips LEDstick

Philips 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.

Features

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

Benefits

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

Applications

- Elite shops
- Corridors / Stairways / Washrooms
- Lobby / Reception areas
- Hotel rooms / Bars
- Hc



Philips LEDstick

Product specifications

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

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

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

Master LED Bulb Dimtone

The Master LED Bulb DimTone range delivers a dimmable glow effect for a welcoming, warm atmosphere, making it ideal for general lighting applications in the hospitality segment. Its unique design radiates warm light all around, making it a bright and energy efficient alternative to the incandescent lamp. They are particularly suitable for public areas such as lobbies, corridors, stairwells, where the light is always on. Compatible with existing fixtures with E27 or B22 holder, they are designed for retrofit replacement of incandescent bulbs. Master LEDBulb DimTone delivers huge energy savings and minimizes maintenance cost without any compromise on light quality. They can be used together with most leading-edge dimmers, enabling further efficiencies while helping to create the desired atmosphere.

Features

- Dimmable
- Compatible with an extensive range of dimmers
- Warm white light
- Lifetime of 25,000 hours
- UV- and IR-free light

Benefits

- Up to 80% energy savings compared to traditional incandescent lamps
- Easy (retrofit) replacement
- Lower maintenance costS

Applications

- Hotels, restaurants, bars, cafés
- Lobbies, corridors, stairwells, reception areas



Master Frosted Bulb

Product specifications

Product type	Cap	Bulb Shape	Lamp Wattage	Replaced GLS Wattage	Colour Temp.	Lumen	Life time	CRI	Frequency	Dimming	Product code
	W	W	K	lm	Hours	Ra	Hz		12NC		
MAS LED bulb DT 5.5-40WE27 927-922 A60FR	470	5.5	220-240	2700	NA	90	>0.5	25000	50/60Hz	Yes	929001351302
MAS LED bulb DT 9-60W E27 927-922 A60 FR	806	9	220-240	2700	NA	90	>0.5	25000	50/60Hz	Yes	929001351402
MAS LED bulb DT 12-75WE27 927-922 A67 FR	1055	12	220-240	2700	NA	90	>0.5	25000	50/60Hz	Yes	929001868602
MASLEDbulb DT 14-100WE27 927-922 A67FR	1521	14	220-240	2700	NA	90	>0.5	25000	50/60Hz	Yes	929002218602

LED Deco Classic

LED Deco Classic is the perfect LED filament bulb looking like the tungsten classic, yet giving you an estimated energy savings of 90%. It sets off beautiful, decorative, warm light in a variety of bulb shapes from the standard to the tall/balloon shape giving off a brighter and more defined, warm glow. The LED Deco Classic is ideal for installation in a variety of fixtures whether exposed or within glass shades. The bulb itself is an art form, working perfectly with modern or classic chandeliers, wall sconces and open fixtures.

Features

- A classic bulb with a modern LED twist
- Timeless shape with hardy strands of LED filament
- Available in multiple wattages

Benefits

- Energy savings estimated around 90%
- Long lifetime, unlike the old incandescent
- Instant on, little heat
- Environmentally friendly, contains no mercury

Applications

- Home: living room, bedroom
- Hospitality: restaurants, cafe and bars, hotel lobbies and guest rooms



LED Deco Classic

Product specifications

Product type	Bulb Shape	Lamp Wattage	Voltage	Lumen	Colour Temp.	CRI	Power factor	Life time	Frequency	Dimming	Product code
		W	V	lm	K	Ra	Pf	Hours	Hz		12NC
LEDClassic 6-60W A60 E27 830 CL NDAPR	A60	6	220-240V	600	3000K	80	>0.5	10000	50/60	No	929001974508
LEDClassic 6-60W A60 E27 865 CL NDAPR	A60	6	220-240V	600	6500K	80	>0.5	10000	50/60	No	929001974608
LEDClassic 4-40W A60 E27 830 CL NDAPR	A60	4	220-240V	400	3000K	80	>0.5	10000	50/60	No	929001974708
LEDClassic 4-40W A60 E27 865 CL NDAPR	A60	4	220-240V	400	6500K	80	>0.5	10000	50/60	No	929001974808
LEDClassic 4-40W ST64 E27 830 CL NDAPR	ST64	4	220-240V	400	3000K	80	>0.5	10000	50/60	No	929001974908
LEDClassic 6-60W ST64 E27 830 CL NDAPR	ST64	6	220-240V	600	3000K	80	>0.5	10000	50/60	No	929001975008
LEDClassic 6-60W G120 E27 830 CL NDAPR	G120	6	220-240V	600	3000K	80	>0.5	10000	50/60	No	929001975108
LEDClassic 6-60W G120 E27 865 CL NDAPR	G120	6	220-240V	600	6500K	80	>0.5	10000	50/60	No	929001975208
LEDClassic 2-20W B35 E14 830 CL NDAPR	B35	2	220-240V	200	3000K	80	>0.5	10000	50/60	No	929001975308
LEDClassic 2-20W B35 E14 865 CL NDAPR	B35	2	220-240V	200	6500K	80	>0.5	10000	50/60	No	929001975408
LEDClassic 4-40W B35 E14 830 CL NDAPR	B35	4	220-240V	400	3000K	80	>0.5	10000	50/60	No	929001975508
LEDClassic 4-40W B35 E14 865 CL NDAPR	B35	4	220-240V	400	6500K	80	>0.5	10000	50/60	No	929001975608
LEDClassic 4-35W A60 E27 2500K CL_G ND APR	A60	4	Amber	400	2500K	80	>0.5	10000	50/60	No	929001941508
LEDClassic 4-35W ST64 E27 2500K CL_G ND APR	ST64	4	Amber	400	2500K	80	>0.5	10000	50/60	No	929001941608
LEDClassic 5.5-50W A60 E27 2500K CL_G ND APR	A60	5.5	Amber	600	2500K	80	>0.5	10000	50/60	No	929001941708
LEDClassic 5.5-50W ST64 E27 2500K CL_G ND APR	ST64	5.5	Amber	600	2500K	80	>0.5	10000	50/60	No	929001941808
LED classic 40W P45 B22 WW CL D 1PF	P45	5	Clear	470	2700	80	>0.5	15000	50/60	Yes	929001332749
LED classic 40W B35 B22 WW CL D 1PF	B35	5	Clear	470	2700	80	>0.5	15000	50/60	Yes	929001332249
LED classic 40W B35 E14 WW CL D 1PF	B35	5	Clear	470	2700	80	>0.5	15000	50/60	Yes	929001332149
LED classic 60W G93 E27 WW CL D 1PF	G93	8	Clear	806	2700	80	>0.5	15000	50/60	Yes	929001895749
LED classic 50W ST64 E27 820 GOLD 1PF	A60	7.5	Amber	610	2000	80	>0.5	15000	50/60	Yes	929001895949
LED classic 50W ST64 B22 820 GOLD D 1PF	A60	8	Amber	630	2200	80	>0.5	15000	50/60	Yes	929001228449
LED classic 50W G120 E27 820 GOLD D 1PF	ST64	8	Amber	630	2200	80	>0.5	15000	50/60	Yes	929001896149
LED classic 50W G120 B22 820 GOLD D1PF	ST64	7	Amber	630	2000	80	>0.5	15000	50/60	Yes	929001257949
LED classic 50W A60 E27 FL GOLD D 1PF	G120	8	Amber	630	2200	80	>0.5	15000	50/60	Yes	929001921649
LED classic 50W A60 B22 FL GOLD D 1PF	G120	7	Amber	630	2000	80	>0.5	15000	50/60	Yes	929001921749



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.

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

Applications

- Homes, offices and cafés
- Hotel guest rooms, spa
- Modern or classical luminaires
- Wall sconces, open fixtures



Scene Switch LED Bulb

Product specifications

Product type	Cap	Bulb Shape	Lamp Wattage	Replaced Wattage	Color Temp.	Lumen	Life time	CRI	Voltage	Dimming	Product code
			W	W	K	lm	Hours	Ra	V		12NC
LED SSW A60 3S 7.5-70W E27 CDL	E27	A60	7.5-2.5-1	70	6500	806-380-140	15000	>80	220-240V	No	929001906727
LED SSW A60 3S 7.5-70W E27 WH	E27	A60	7.5-3-1.2	70	3000	806-380-140	15000	>80	220-240V	No	929001906427
LED SSW A60 8-70W E27 WH-CDL	E27	A60	8	70	6500/3000	880	15000	>80	220-240V	No	929001906127

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.

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)
- Designed for a wide range of applications including damp areas
- Lit up under 90V line voltage. And best performance is delivered under 220V-240V

Applications

- Logic center
- Factory
- Car parking
- Convenience store
- Public space
- Garden lighting
- Wet market



High Lumen LEDBulb

Product specifications

Product type	Lumen	Lamp Wattage	Color Temp.	Beam angle	CRI	Power factor	Life time	Frequency	Voltage	Dimming	Product code
	lm	W	K	°	Ra	Pf	Hours	Hz	V		12NC
LEDBulb 14.5W E27 3000K 230V A67	1800	14.5	3000K	150	70	>0.7	10000	50/60	220-240V	No	929002003849
LEDBulb 14.5W E27 6500K 230V A67	1800	14.5	6500K	150	70	>0.7	10000	50/60	220-240V	No	929002003949
LEDBulb 19W E27 6500K 230V A80	2300	19	3000K	150	70	>0.7	10000	50/60	220-240V	No	929002004149
LEDBulb 19W E27 3000K 230V A80	2300	19	6500K	150	70	>0.7	10000	50/60	220-240V	No	929002004049

LED Deco Classic

A well-loved classic with a modern LED twist

Retro and classy, yet it saves you a good 90% in energy consumption. Perfect for decorative lighting for hotels, restaurants and other creative spaces, this is the answer to a final replacement of the incandescent or tungsten equivalent. The long, elegant yet hardy strands of LED filaments gives out refined and defined warm light that cannot be distinguished from the traditional bulbs.

Application notes:

- Operating temperatures: -20°C to 40°C ambient
- Designed for indoor application only
- Not intended for use as exit lights/emergency lights
- For indoor application in open luminaires/fixtures

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
 7F-3, No.24, Wucyuan 2 Rd.
 Sinjhuang District
 New Taipei City 24892
 Taiwan
Tel: +886 2 2299 6930 **Fax:** +886 2 2299 6929
E-mail: sales@avc.com.tw
Web: www.avc.com.tw
 Application areas

SUNON
Sunon European Headquarters
 Parc Médicis 66, Av des Pépinières
 94832 Fresnes Cedex
 France
Tel: +33 146 154 515 **Fax:** +33 146 154 510
Web: www.sunon.com
 Application areas

Mx MechaTronix
MechaTronix
 4 to 6F, No.308 Ba-De 1st Rd.
 Kaohsiung City 80050
 Taiwan
Tel: +886 7 2382185 **Fax:** +886 7 2382187
E-mail: led@mechatronix-asia.com
Web: www.led-heat sink.com
 Application areas

Wisefull
Wisefull Technology Ltd.
 No.3, Hong-ye 9th South Road
 138 Industrial Park Tangxia, Dongguan
 Guangdong Province
 China
Tel: +86 769 8685 3888 **Fax:** +86 769 8772 4315
E-mail: contact@wisefull.com
Web: www.wisefull.com
 Application areas

Mechanical fixings

BJB
 Werler Str. 1
 59755 Arnsberg
 Germany
Tel.: +49 2932 982 0
E-mail: info@bjb.com
Web: www.bjb.com
 Application areas

Lenses

BJB
 Werler Str. 1
 59755 Arnsberg
 Germany
Tel.: +49 2932 982 0
E-mail: info@bjb.com
Web: www.bjb.com
 Application areas

DARKOO 达尔科
 一为控光而生
Darkoo Optics (Zhongshan) Co., Ltd
 No.10, Wei 12 Road, Xi Er Wei, Hengmen,
 Tsuihang New District, Zhongshan City, Guangdong,
 China
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

carclo
 Optics
Carclo Optics
 6 - 7 Faraday Road, Rabans Lane Industrial Area,
 Aylesbury, HP19 8RY
 England
Tel: +44 1753 575 011
E-mail: sales@carclo-optics.com
Web: www.carclo-optics.com
 Application areas

LedLink
 Linking LEDs in The Real World
LedLink Optics Inc
 15F, No.655, Bannan Rd., Chung-Ho Dist,
 New Taipei City
 Taiwan
 Paul Li
Tel: +86 769 8897 7888 **ext:** 3122 (China)
Fax: +86 769 8897 5599 (China)
E-mail: paul_li@ledlink-optics.com
Web: www.ledlink-optics.com
 Application areas

CK
Chun Kuang Optics Corp.
 5F., No 122-8, Jhonghua Rd., Hukou, Hsinchu 303
 Taiwan
Tel: +886 3 6960168 **ext:** 701 **Fax:** +886 3 6960228
E-mail: sales@ckoptics.com
Web: www.ckoptics.com
 Application areas

LEDiL
LEDiL Oy
 Joensuunkatu 13
 24100 Salo
 Finland
E-mail: ledil@ledil.com
Web: www.ledil.com
 Application areas

Reflectors

ALMECO
ALMECO Group - Headquarters
 Via della Liberazione 15
 I - 20098 Civesio di S.Giuliano Milanese (MI) - ITALY
Tel: +39 02 9889631
E-mail: almecco@almecogroup.com
Web: www.almecogroup.com/en/lighting
 Application areas

LEDiL
LEDiL Oy
 Joensuunkatu 13
 24100 Salo
 Finland
E-mail: ledil@ledil.com
Web: www.ledil.com
 Application areas

JORDAN
Jordan Reflektoren GmbH & Co. KG
 Schneiderstrasse 76
 40764 Langenfeld
 Germany
Tel: +49 2173 / 279-0 **Fax:** +49 2173 / 279-250
E-mail: info@jordan-reflektoren.de
Web: www.jordan-reflektoren.de
 Application areas

Nata
Nata lighting
 Postal: 529040
 380 Jin Ou Road, Jiang Hai District
 Jiang Men City, Guangdong
 China
Tel: +86 750 377 0000 **Fax:** +86 750 377 1111
E-mail: info@nata.cn
Web: www.nata.cn
 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 Digital		The capacity to be connected to other appliances, facilities and the internet 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
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





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www.lighting.philips.com.sg/oem-asia