



PHILIPS

Connected components



Experience the future of lighting with SR

Discover the benefits of SR, the new industry
standard for global connected solutions

For today, for tomorrow

The future of lighting surrounds us

The transition from conventional luminaires to LED was a significant step in the lighting industry. Now the next development in lighting has arrived in the form of digital connectivity. Because lighting is around us – in homes, offices and businesses – it will play a central role in the future of connectivity.

At Philips we're already developing innovative products that can take advantage of this exciting technology. Our solutions are designed for simplicity at every touchpoint – from ordering, integrating components, commissioning and installation, to day-to-day use and ongoing maintenance. Effortless ways to create simplicity through connectivity.

Philips lighting innovations are connectivity ready right now. To make sure you're equally prepared, let's connect.



Create a superior interior

In an increasingly wireless world, customers expect seamless connectivity. As the leading innovator in lighting, we've gone to great lengths to ensure our connected lighting components use preferred, industry-standard protocols. Now, when you design-in or specify a Philips product, you're assured maximized compatibility with the widest range of indoor connectivity systems and solutions.



Quality that shines

We know that connectivity is meaningless if it is not supported by quality. Because you need to deliver reliable solutions that will enhance your reputation and encourage customers to remain loyal.

That's why we're placing even greater emphasis on the quality of our Sensor Ready lighting solutions. There are six areas in which this is most evident:



Quality lighting
Enhancing spaces,
products and
well-being



Quality assurance
Reliable, thoroughly-
tested components



Quality innovation
World-leading
connected lighting



Quality people
Guidance and
inspiration from our
industry experts



Quality support
Technical and
operational backup,
on and off-line



Quality leadership
Future-proof, standards-
based solutions

Our ongoing focus on quality will enable you to offer high-value, reliable solutions. Together we can make sure your customers always have the right connected lighting.



Universal, future-proof solution

Any questions regarding compatibility are definitively answered by our Sensor Ready (SR) platform. This innovation enables wireless connection to the vast IoT infrastructure, and was developed to provide a foundation upon which the smart lighting systems of today and tomorrow can be built. By remaining focused on simplicity and widespread compatibility, the SR platform allows OEMs to develop their own solutions based around a standardized framework that provides access to a way of life that is truly connected.

Connectivity confidence

The performance of SR products is tested and certified to ensure interfacing is seamless, and our growing list of SR certified components covers a wide range of connected lighting solutions from trusted providers of sensor and connectivity modules and building management systems.

Choose SR certified to drive compatibility

A recent addition to our product range is a comprehensive set of Xitanium SR drivers for office and industry applications, offering great benefits for lighting management systems and ensuring full system component interoperability backed by SR certification.

The performance of SR products is tested and certified to eliminate any interface problems, so you can offer connected lighting solutions with full confidence in their software capabilities and system investments.

The list of SR certified products that are compatible with the Xitanium SR LED drivers is growing, and covers a wide range of connected lighting solutions from trusted providers of sensor, connectivity modules and building management systems.

To support the development of SR certified components, Philips operates an SR partner program. SR partners receive all required details of the Xitanium SR driver interface for electrical and DALI data exchange protocols. Philips also conducts verification tests, with successful products gaining authorization to display the SR certified logo.



Please consult our website for the latest update of SR partners and SR certified products.
www.lighting.philips.co.uk/oem-emea

Benefits of being an SR partner



Future-proof

Solutions are scalable and future requirements are kept in mind. SR standard pioneered by Philips and now standardized, so you have freedom to choose a second supply source.



Reliability

SR Certification ensures that SR certified products meet the SR spec and are high quality. Inter-operability and compatibility guaranteed for customers.



Open, global standards

No proprietary technology. Freedom of choice - Seamlessly connect of different providers.
Opportunity to enable different use cases depending on their end users/ applications - Plenty data and diagnostic info available through SR Drivers.



SR building blocks

Our SR platform for connected lighting devices consists of fundamental building blocks specifically designed to accelerate the creation of smart city lighting networks by being easy to integrate, widely compatible and futureproof. It is our intention to expand this platform on an ongoing basis. The building blocks currently available are:

SR drivers

Xitanium SR driver



EasyAir sensors

EasyAir SNS200

designed for office applications



EasyAir SNS300

designed for advance office applications



EasyAir SNH200

designed for industry applications



SR bridge

Xitanium SR bridge



This is the opportunity to reduce the cost and complexity of light fixtures in wireless connected office lighting systems, because the standard digital interface between Philips Xitanium SR LED drivers and EasyAir sensors eliminates the need for extra components, making them quicker and easier to design-in.

Xitanium SR drivers for connected luminaires

Xitanium SR drivers are at the heart of any connected indoor lighting system. These intelligent, SR drivers standardize the connection between driver and sensor, eliminating the need for separate components or modules and ensuring compatibility.

Adding connectivity and expanded functionality

Our SR drivers not only provide power conversion for LED lighting, they also feature integrated power supplies and energy metering, enabling users to deliver actionable operational data such as energy consumption. Equally beneficial are the integrated sensor controllers, which provide daylight harvesting and occupancy patterns to a building management system, without the need for additional external components. Collectively they help bring connectivity and expanded functionality to luminaires.

Benefits Xitanium SR LED driver

- Simple two-wire interface for EasyAir sensors.
- Accurate energy metering integrated in driver.
- Simplified luminaire integration, less wiring and components.
- No need for power box or power conversion.
- Extended diagnostics via SR interface.
- SR interface is global and open; drafted in ANSI and DiiA.



EasyAir wireless sensors

Controlling the lighting in work spaces, corridors and stairwells can be difficult, but EasyAir wireless sensors make it simple and efficient by detecting when footfall is high or low to control when light is used. And because there's no wasted energy, the cost savings are considerable.

Easy integration

EasyAir sensors are single-box, luminaire-mounted devices with a simple two-wire connection that are easy to design-in. They also reduce cabling and installation costs, making them ideal for renovation projects as well as new installations.

Wireless configuration

Configuration can be done prior to installation using SimpleSet, or on-site via a Field App for Android smartphones. Communication is via Zigbee protocol, enabling multiple EasyAir sensors to work as a single group. You can also create different scenes for specific applications, such as a presentation mode for meeting rooms.

Advanced grouping

The EasyAir SNS200 and SNH200 with Zigbee and infrared communication can be used to group multiple luminaires together to respond to motion and daylight changes, enabling maximum control per luminaire with minimal ceiling clutter.

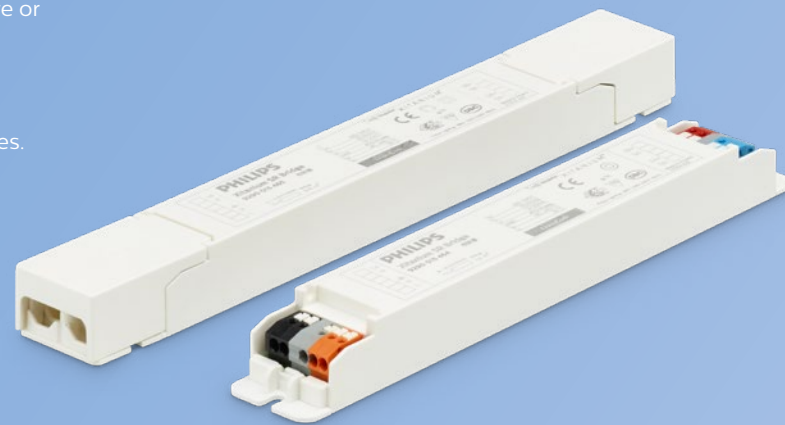


Linking DALI drivers with SR sensors

The Xitanium SR bridge enables you to use SR certified products with any DALI driver. Multiple drivers can be connected to the SR bridge, so it's possible to add sensors, monitors and controllers to groups of fixtures in the most cost-effective way possible.

Benefits of the Xitanium SR bridge

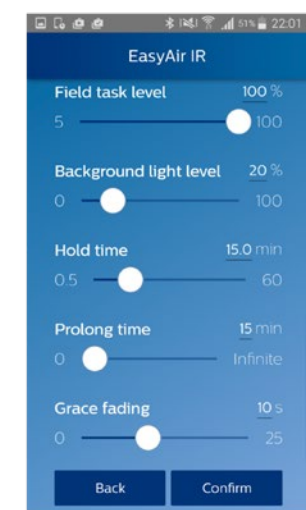
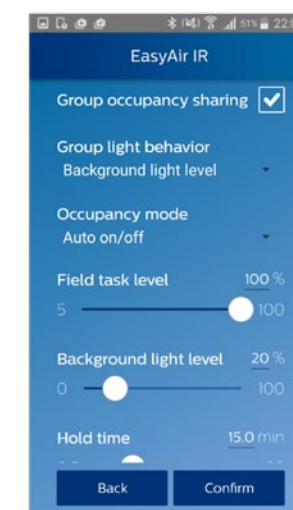
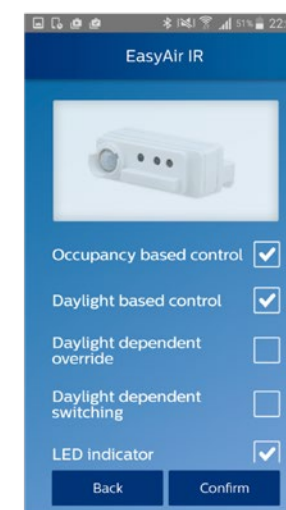
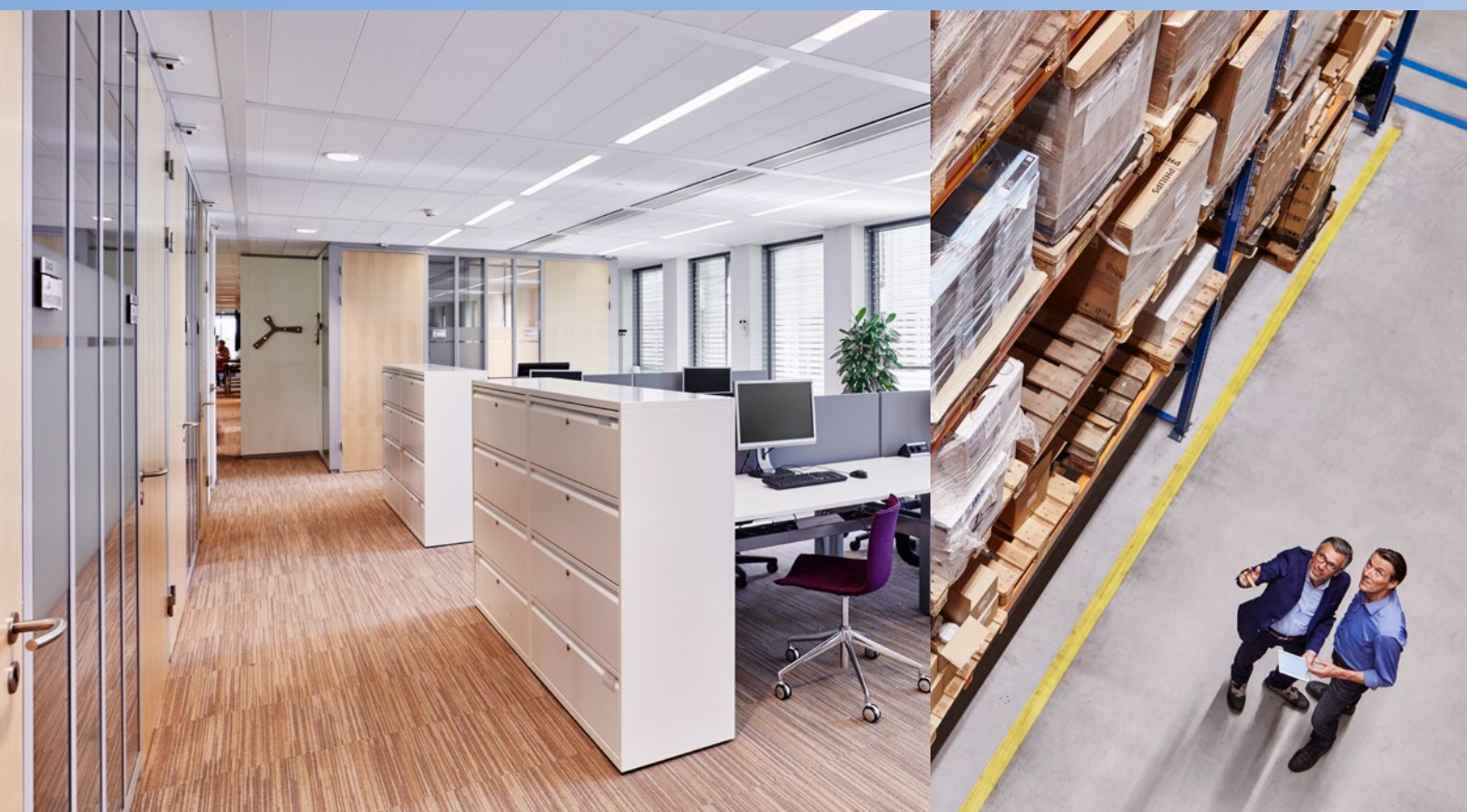
- Built-in and independent versions for luminaire or external mounting.
- SR interface.
- Integrated power supply for sensors.
- Energy metering and diagnostics.
- Works with all SR certified sensors and modules.



Tap-tap, job done

It's easy with Philips Field Apps

Because ease of use for you is so important to us, configuring and commissioning is also possible via the use of Philips Field Apps, available to download for free from the Google Play Store.



Specifications



Philips Xitanium linear SR drivers

Product name	Housing	Output current range	Output voltage range	Dimming range	DALI power supply max. supply current	Energy metering accuracy	Order Code
	mm	mA	V	%	mA	%	GPC
Xitanium 36W 0.3-1A 54V SR 230V	360x30x21	300-1000	27-54	100-1	52	4	929001516306
Xitanium 75W 0.7-2A 54V SR 230V	360x30x21	700-2000	27-54	100-1	52	4	929001505006
Xitanium 35W 0.08-0.35A 150V SR 230V	360x30x21	80-350	50-150	100-1	52	4	929001540406
Xitanium 60W 0.08-0.35A 220V SR 230V	360x30x21	80-350	50-220	100-1	52	4	929001540506
Xitanium 60W 0.08-0.35A 300V SR 230V	360x30x21	80-350	100-300	100-1	52	4	929001540606
Xitanium 100W 0.25-0.7A 220V SR 230V	360x30x21	250-700	50-220	100-1	52	4	929001540706
Xitanium 100W 0.15-0.5A 300V SR 230V iXT	425x30x21	150-500	100-300	100-1	52	4	929001540806
Xitanium 150W 0.2-0.7A 300V SR 230V iXT	425x30x21	200-700	100-300	100-1	52	4	929001540906



EasyAir sensors

new

Product name	Housing (volume inside luminaire)	Key features	Req. luminaire hole	Occupancy technology	Detection area	Viewing angle	Full light dimlevel	Operating Ambient temperature	Order code
	mm		mm		m		%	°C	GPC
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)	X=72° Y=86°	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)	X=72° Y=86°	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)	X=72° Y=86°	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)	X=72° Y=86°	5-100%	0-55	929000795606
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	X=45° Y=45°	5-100%	-30-65	929001625706
EasyAir SN-S200CMP/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=72° Y=86°	5-100%	0-55	929000790206



Philips Xitanium SR bridge

Product name	Max. output power	Max. amount of drivers	Surge protection (CM/DM)	Energy Metering accuracy	Order code
	W		kV	%	GPC
Xitanium SR bridge built-in	400	20	4-2	4	929001546406
Xitanium SR bridge independent	400	20	4-2	4	929001546506

Accessories

new

Product name	Description	Order code
		GPC
IR Dongle	Infrared device to commission EasyAir SNS200 and EasyAir SNH200	929001651106
IR Dongle v2.0	Improved Imfrared device to commission and configure EasyAir SNS200 and EasyAir SNH200	929001678906
EasyAir SMB-50/w	Surface mount bracket for EasyAir SNS200/w	929001540206
EasyAir SMB-50/g	Surface mount bracket for EasyAir SNS200/g	929001540306





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