

The Philips logo is displayed in a white rounded rectangle in the top left corner of the image. It consists of the word "PHILIPS" in a bold, blue, sans-serif font.

Industry Lighting

State of Art



Case study

Smart warehouse lighting **saves energy and shows clothes in their true colors**

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Once it was decided to fit out the logistics rooms at the head office in Lichtenvoorde with LED lighting **we chose Philips very quickly.**”

Martijn Mateman
 Operational Manager, State of Art



A leading Dutch fashion label is keen to be as energy smart as possible, and has for example, equipped the roof of the head office with over 200 solar panels. To further this ambition, the lighting in the dispatch room and warehouse was replaced by an energy efficient lighting system with LED general lighting, zoned lighting and movement detection.

Making a difference in logistics and dispatch

The fashion brand is State of Art and the company has its headquarters in Lichtenvoorde in the Netherlands. The site has a rich history in the clothing industry and

it was here where Albert Westerman senior started a knitting studio in 1936. Almost eighty years later, with Albert Westerman junior at the helm, the family business is known for its quality fashion for men with an active lifestyle. State of Art’s keen eye for design is evident in the classic sports cars that can be seen in their collections; a theme that continues in their showroom decor. There are over 1,000 sales outlets in the Netherlands, Belgium and Scandinavia. The head office was renovated in 2012, and part of this involved installing LED lighting in the logistics rooms using the GreenWarehouse system from Philips Lighting. State of Art’s Operational Manager Martijn Mateman said, “Once we decided to fit out the logistics rooms at the head office in Lichtenvoorde with LED lighting, we chose Philips very quickly.”

How it was done

Clothes are sorted into carts and pallet locations in the dispatch room and warehouses, where the conventional fluorescent lighting was replaced with energy efficient TTX LED trunking. These are wirelessly controlled by the Philips GreenWarehouse system, which is a perfect package for this type of application. In accordance with the size and layout of the warehouse, the LED lighting is configured in user-designated zones. What’s more, the LED lighting is remotely dimmable to any desired level, which enables further reduction in energy costs. Reconfiguring the zones if the warehouse layout changes is also possible without rewiring or other hardware changes.

Built-in movement sensors ensure that the lighting is switched on or dimmed in specific zones as required.

In State of Art’s case, the GreenWarehouse lighting system is configured so that the light level in areas of the warehouse where no movement is detected is reduced to 10% after ten minutes. And once movement is detected, the system raises the level to 100% light output only in the area it is needed. It is simple to keep an eye on the system thanks to the wireless communications.

What it means

Since the floor area is 7,000 square meters, this approach makes a huge difference in power consumption for State of Art. It has reduced energy use by 50% in zones with constant light output and by 70% in areas where the movement detectors are located. In just two months, over 30,000 kilowatt hours were saved. It has also resulted in considerable savings in equipment maintenance.

The last word...

“Philips has been a regular partner for many years for lighting solutions in our shops. They deliver quality and service with a passion for the profession. What’s more, we get access to technology like the GreenWarehouse lighting system that provides greater efficiency,” said Martijn Mateman. He continued, “The people at State of Art who work every day in the rooms where the lighting has been changed have responded enthusiastically. They think the result is fantastic, as the light is not only more pleasing to the eye, it also shows the colors of our products better. We are extremely happy to carry on our partnership with Philips.” The showroom and office environment at our headquarters, as well as future State of Art branches are next in line for this approach.

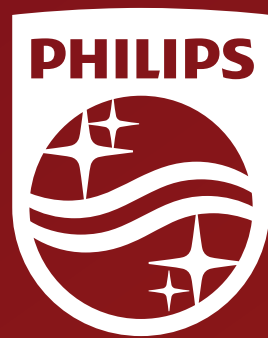
Lighting solutions realised in this project



GreenWarehouse

The Philips GreenWarehouse system is a dedicated system that makes it easy for warehouse developers and facility managers to maximize energy savings. It seamlessly integrates energy efficient LED lighting with an easy-to-use and reliable networked control solution. When the situation on the work floor changes, settings such as dimming levels and timing are changed by end-users via wireless communication. TTX LED trunking was used in this project. Luminaires can be configured in groups or zones across the layout, and re-zoning them does not require a hardware change.





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