

Case study E.ON

Location
Philips Lighting

Malmö, Sweden
Soundlight Comfort Ceiling, StyliD Mini, CoreLine LED recessed,
CoreView panel, OccuSwitch, Dynalite



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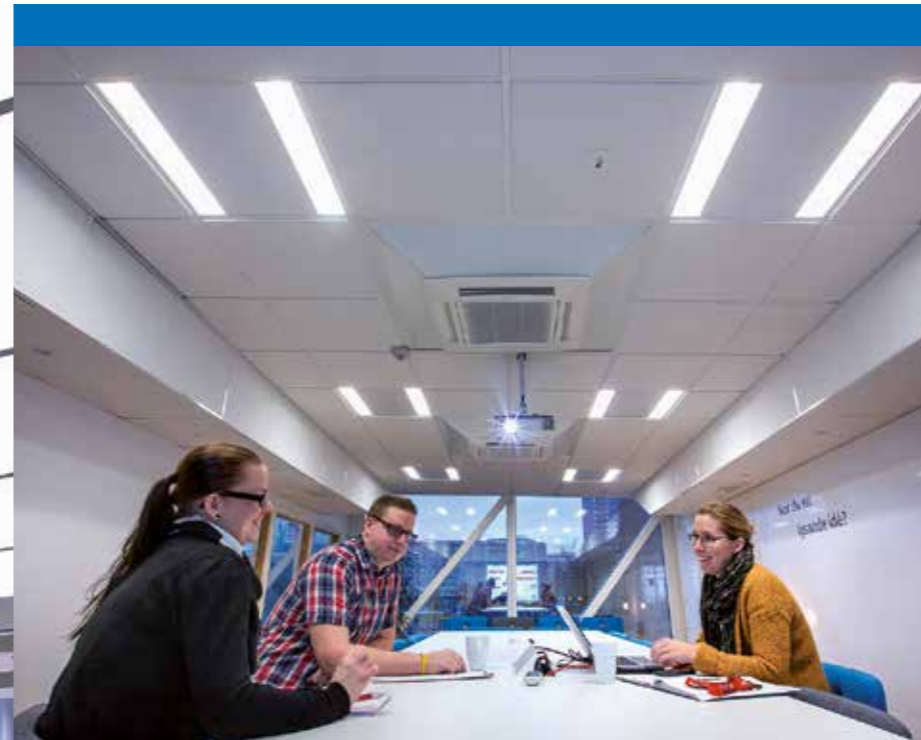
PHILIPS



“Our strategy is to develop sustainable lighting solutions for our clients, and that is why we started our collaboration with Philips.”

Hans Björk, Technical Director, E.ON Fastigheter Sverige AB

E.ON received a good lighting atmosphere and sustainable lighting solutions



Project info

Customer

E.ON

Location

Malmö, Sweden

Lighting solution

Common room: Conceptual LED lighting with sound absorption, daylight regulation and motion detection. Project rooms and meeting rooms: General lighting with LEDs, daylight regulation and motion detection.

Project partners

E.ON Försäljning Sverige AB, Imtech AB, Montagegruppen AB

Philips products

Soundlight Comfort Ceiling, CoreView panel, StyliD Mini, Dynalite/DALI, CoreLine LED recessed, OccuSwitch

Contact at Philips

Martin Augustsson

Background

The power company E.ON has renovated one of its offices in Malmö, Sweden. The result is an open-office solution with three large project rooms and around ten small meeting rooms, as well as a common room where people can get together over a cup of coffee.

The challenge

The premises of the building were formerly furnished with small cell offices lit with T5 and T8 fluorescent tubes. The company wanted to improve the lighting environment, have a sustainable lighting solution with lower energy costs and set itself as a good example for its customers. “The challenge was to create a good lighting atmosphere with power-saving lighting solutions”, says Hans Björk, Technical Director at E.ON Fastigheter Sverige AB.

The solution

In the large common room recessed sound-absorbing Soundlight Comfort Ceiling luminaires have been fitted in a new sound-absorbing suspended ceiling. These luminaires have the same dimension as the ceiling tiles. Recessed CoreView panels were fitted in an older part of the canteen where the ceiling was not replaced. The walls and a wall mural are lit with StyliD Mini 17 W recessed spotlights. All luminaires are controlled by the Dynalite/DALI control system. The lighting solution

offers both daylight regulation and motion detection. If anyone enters the common room when it is empty, the lighting is turned on to 80%, giving 300 lux. Then, the sensors measure the extent of daylight in the room and adjust the lighting. A button panel on the wall allows you to choose between five different light settings. “When the lighting is turned off, you can’t see the luminaires, just the ceiling, and when the lighting is on, you get more of daylight feeling. It almost feels like being outdoors,” says Hans Björk. The project and meeting rooms are lit by CoreLine LED 42 W. The integrated luminaires are controlled by OccuSwitch. This is a stand-alone solution, with daylight regulation and motion detection.

Benefits

“The common room, which used to be a sales office, is now a bright, pleasant and appreciated meeting place. The great benefit of LED lighting is that it does not generate heat. That allows us to save on air conditioning costs during the summer”, says Hans Björk. This lighting solution will have a lifetime of at least 15 years and it consumes 28% less energy than fluorescent tube systems with T5 tubes and 48% less than T8 tubes, not counting the extra energy savings offered by the control system. “Philips designed an excellent lighting design that meets our requirements and works brilliantly. We see this as a reference project that gives us the opportunity to show our customers power-saving and sustainable lighting solutions.”