

Better visibility  
with less energy

public lighting

# Press release

## Schiphol enhances the sustainability of its staff car park lights

*Amsterdam Airport Schiphol is enhancing the sustainability of its staff car parks by installing new LED lighting, enabling the airport to achieve energy savings of forty to seventy per cent per car park.*

*The 544 conventional high-pressure sodium lamps at the P40 parking area were replaced with white Moonlight LED lights. This will reduce the amount of energy used here by 137,000 kWh per year (the amount of electricity consumed by 39 households on an annual basis) and the amount of CO2 emitted by over 77.5 tonnes. Additionally, LED lighting produces less light pollution and will require less maintenance and management, as the LED fittings have a service life that spans two decades.*

*The P5 parking area and the P12 parking deck have also been equipped with LED lighting. In P5 this will lead to energy savings of 38,120 kWh (ten times the amount of electricity consumed each year by an average household) and a 21.6-tonne reduction in the amount of CO2 emitted. The P12 parking deck will now be able to boast energy savings of 26,000 kWh (the amount of energy consumed annually by seven households) and a reduction in the amount of CO2 emitted of 15 tonnes.*

*The next few years will see the gradual replacement of conventional lighting with LED lighting at the remaining parking areas.*

### *Efficient and economical energy management*

*The use of LED lighting is one of the initiatives launched by Amsterdam Airport Schiphol to promote an efficient and economical use of energy.*

*LED lighting was already being used in the departure and arrival halls, as well as in various parts of the terminal lounges, spotlights for art objects, traffic lights, emergency lighting and Christmas lighting. Buildings at the airport provided with LED lighting include the TransPort office building, the Airfreight Centre and the Freightway conference centre. LED lighting has also been installed in the tunnel for apron traffic under Runway 06-24 and in the big Schiphol advertising towers and billboards.*

*Replacing conventional lighting with LED lighting has enabled the airport to save the equivalent of 460 households' annual energy consumption. We expect this figure to grow to 550 households in 2012.*

*Another initiative developed by Schiphol to promote energy efficiency is the application of geothermal energy to heat and air-condition the terminal, the TransPort office building and the Schiphol Group head office.*

*003 - 2012/as*

*Note for editors:*

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# Schiphol

Nederlandse Spoorwegen

Amsterdam Airport Schiphol





Amsterdam Airport Schiphol

*The Netherlands*


# Amsterdam Airport Schiphol

*The Netherlands*



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Nootdorp

*The Netherlands*

From light to vision

*A breakthrough in street lighting*



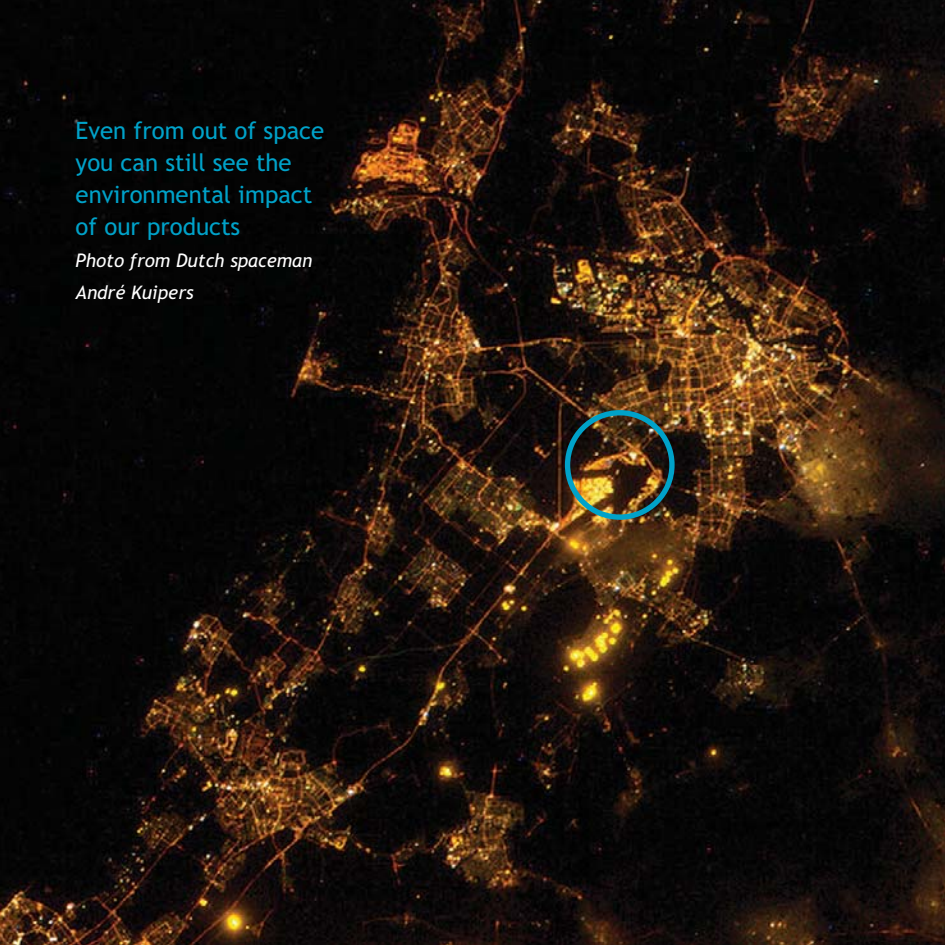
# Company Profile

## **Better visibility with less energy**

This Lighting system has developed a revolutionary concept for the illumination of public spaces. With sustainable LEDs we create light which perfectly matches the sensitivity of the human eye in evening and night-time vision . This results in better visibility with less energy

Even from out of space  
you can still see the  
environmental impact  
of our products

*Photo from Dutch spaceman  
André Kuipers*





## No more light pollution

Our lighting concept is designed in a way that we only light the relevant areas. There is no light pollution anymore.



# Safety

*“I feel a greater sense of safety due to better face and colour recognition. The new luminaires are also more convenient for the human eye.”*

**Samira van Huychem**

*KLM stewardess*



Parking Schiphol  
*Before (hps lampen)*



Parking Schiphol  
*After (LED lampen)*



## Security

Excellent contrast of colours gives better camera recognition.  
This contributes to a higher level of security.







## Innovative products

### Concept

We combine knowledge of visual perception with the newest LED and lighting technologies. The light sources in Lemnis luminaires are developed with red, green and blue LEDs. By using these LEDs in the right combination we are able to produce light in the optimal spectrum. This results in excellent vision with little energy consumption.

London

*After*





London

*Before*

# Retrofit

Our luminaires can be easily installed to each existing and new pole