SCHIPHOL AIRPORT

CASE STUDY

LED Internal Car Park Lighting Solution

Schiphol
Amsterdam Airport

NUALIGHT

SCHIPHOL AIRPORT

CASE STUDY

LED Full-Store Lighting Solution

FAST FACTS

SNAPSHOT: 51 million passengers, Europe's 4th largest airport, ambitious carbon neutrality goals

PROJECT: 100% LED lighting solution for internal car parking area

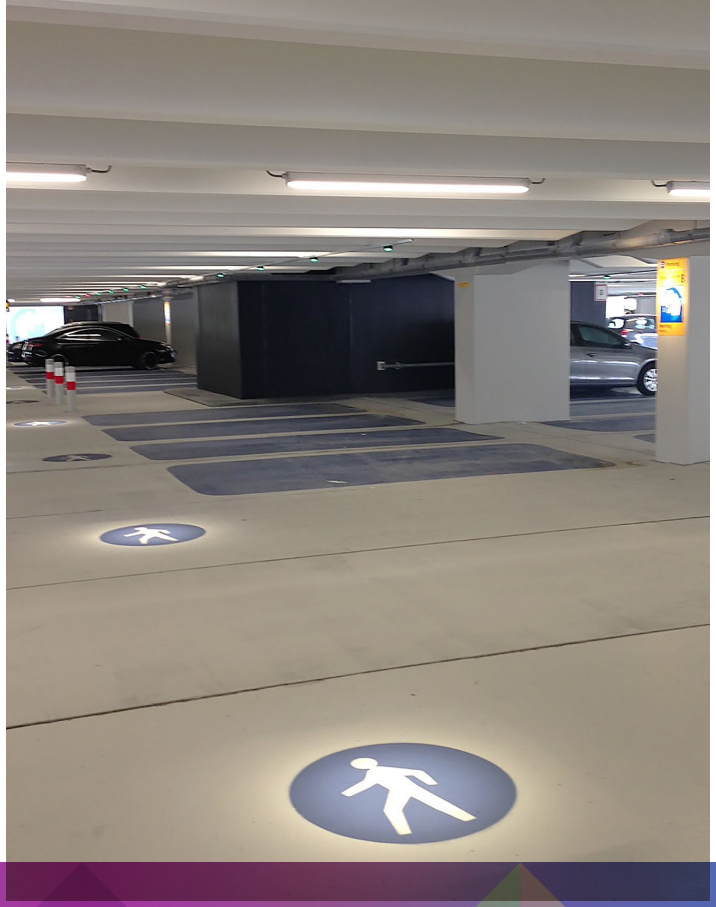
PRODUCTS: Lineo

Schiphol airport recently redefined the parking garage standard, creating a brand new concept to enhance the travelling experience. Significantly improved visibility, pleasant back-ground music, clear signage and, most importantly, a really clean and brightly illuminated space gives the traveller a sense of safety and comfort.

In Schiphol's quest for carbon neutrality they joined forces with Lumoluce (part of the Nualight Group and a specialist in commercial lighting solutions) to turn the parking area into a sustainable space. Lumoluce equipped this area with their unique Lineo LED fixture, replacing fluorescent fixtures.

The uniform light distribution of this fixture combined with additional accent lighting for signage creates a bright and modern atmosphere and, most importantly, reduces energy costs by 66%.

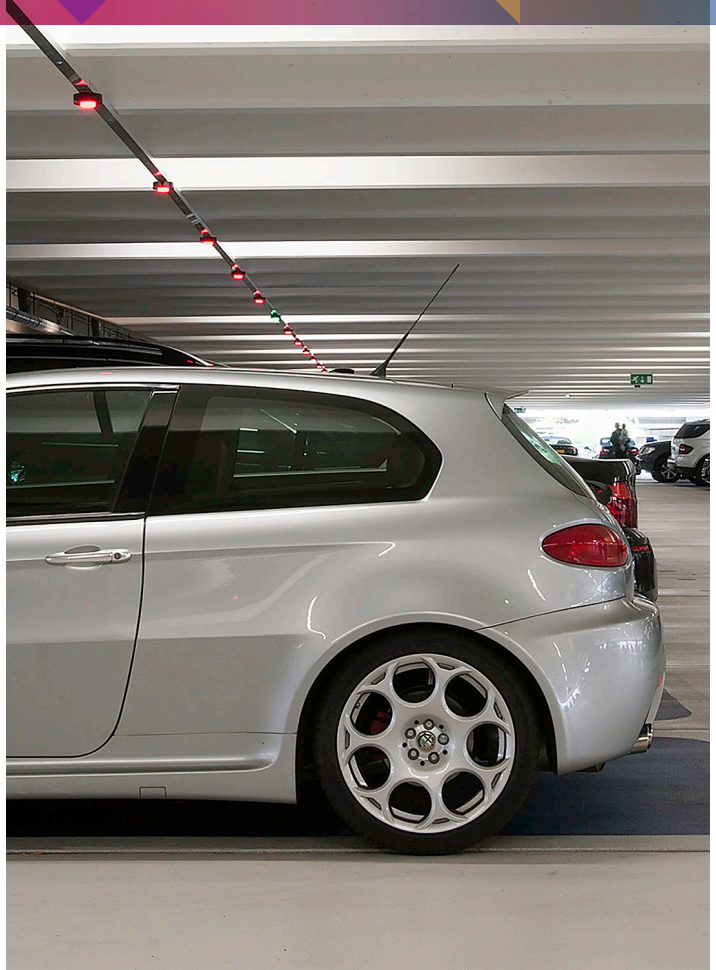
The Lineo system incorporates daylight and presence sensors that adjust the light output to the intensity of the daylight and activity, creating further gains in energy reduction.



Brighter, fresher, safer with Lineo

The unique wide light distribution of Lineo creates a sense of bright, even illumination across the entire garage.

66% ENERGY SAVINGS
PLUS ZERO RELAMPING



Economic benefit car parks

- 66% energy savings
- Yearly cost reduction of £151,763
- 5x longer lamp lifetime
- Brighter space with better light uniformity
- No more maintenance

	T8 Fluorescent	Lineo LED
Number of fixtures	4,000	4,000
Lifetime	10,000 hrs	50,000 hrs
Power consumption	64W	29.4W
Electricity use	2,242,560 kWh	1,030,176 kWh
Savings through Wave system	–	257,544 kWh
Total electricity use	2,242,560 kWh	777,632 kWh
Total electricity cost	£179,405	£61,811
Maintenance cost	€34,169	–
Total cost per year*	**£213,574**	**£61,811**

* Based on 24 hrs per day
£43 Labour cost per hour
Electricity rate £0.08
Including relamping and installation costs.

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