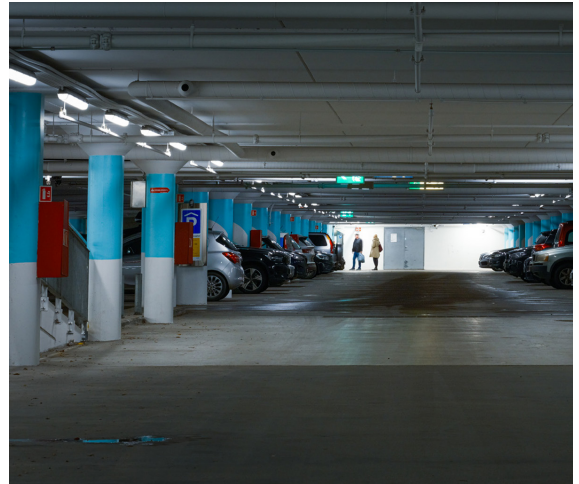


## Finalebanen Parking Facility

- / Trondheim, Norway
- / Wireless luminaires and controls
- / 92% energy saving achieved



### The Brief

The Finalebanen parking facility in Trondheim is a good example of how a lighting control system can provide both safe navigation and a significant reduction in energy consumption. Trondheim Parking, the company who own the busy Finalebanen Car Park, required an efficient, energy saving, modern, lighting system with which to upgrade two of their existing installations. Trondheim Parking also wanted to improve safety and security, ensuring the right light at the right place at the right time.

### The Solution

Our recommendation was to upgrade two of Trondheim Parking's facilities with new [i40 LED luminaires](#) and a wireless lighting control system. At the same time, the new solution would ensure safe passage for both cars and pedestrians using the smart 'Follow me' function of the [wireless control system](#).

Glamox Key Account Manager, Glen Møller explains: "The Glamox wireless system uses a 'follow me' function which means that when a sensor in a luminaire detects a moving car or pedestrian, it transmits the signal to the next luminaire in the network. Each of the luminaires picking up the signal communicates with the surrounding luminaires telling them to increase the light from 10 to 90%. This means that a car or person moving around the car park always has the way ahead illuminated. The facility always has a basic lighting of 10% to provide depth orientation and maintain the feeling of security."

### The Result

In Finalebanen, the largest of the parking facilities, energy consumption has been reduced by up to 92%. Safety and security in the car park has been improved, and due to the efficiency and long life of LED light sources, maintenance costs have also been reduced. The wireless control system allows Trondheim Parking full control of the lighting installation from their offices in the city centre via Glamox's cloud-based solution. The solution includes reports on energy consumption and maintenance status that let the parking company know if a luminaire or a driver is faulty, eliminating the need for staff to complete a visual check.