



Smart Lighting in Parking Garages

A new era of lighting has begun with Mymesh Professional Wireless Light Control. Lighting in a parking garage also requires a sustainable solution for lighting. Due to extensive opening hours or required 24 hours accessibility, the light in a parking garage is usually on. This results in a very high number of burning hours per year, corresponding energy bills and a short lifetime of the lighting installation.

By switching the lighting automatically, dimming flexibly and remote monitoring, your lighting installation performs optimally and lasts much longer. Wireless light control is an easy-to-use solution contributing to 80% energy and CO₂ reduction and improving the functionality of your parking garage.

With the use of sensors the movement direction of vehicles and pedestrians is anticipated, creating dynamic lighting in your parking garage. From orientation lighting to filling the entire parking garage with light

Functionalities

Which light control functionalities are applied in parking garages?

- During opening hours automatic switching from 10% orientation light level with no movement to 100% with detected movement in the parking garage.
- During closing times other light levels may apply such as 0% with no movement and 50% with detected movement.
- Manual functions to turn on the lights in the entire parking garage during maintenance work, emergencies or to switch off the lighting when the parking garage is out of use.
- Automatic dimming or switching of the lighting when there is sufficient daylight, for example on a parking roof.
- Monitoring energy consumption and lighting failures.
- Ready for automated self-testing of emergency lighting, reducing costs on emergency

Installation

The installation of wireless light control is very simple, because only an electrical supply cable has to be connected to the lighting fixtures. The wireless light control is built into the luminaire. All sensors are battery powered (lifetime up to 15 years), do not need to be wired and are wirelessly controlled. The solution for 1-on-1 replacement and the application of separate luminaires in parking garages.



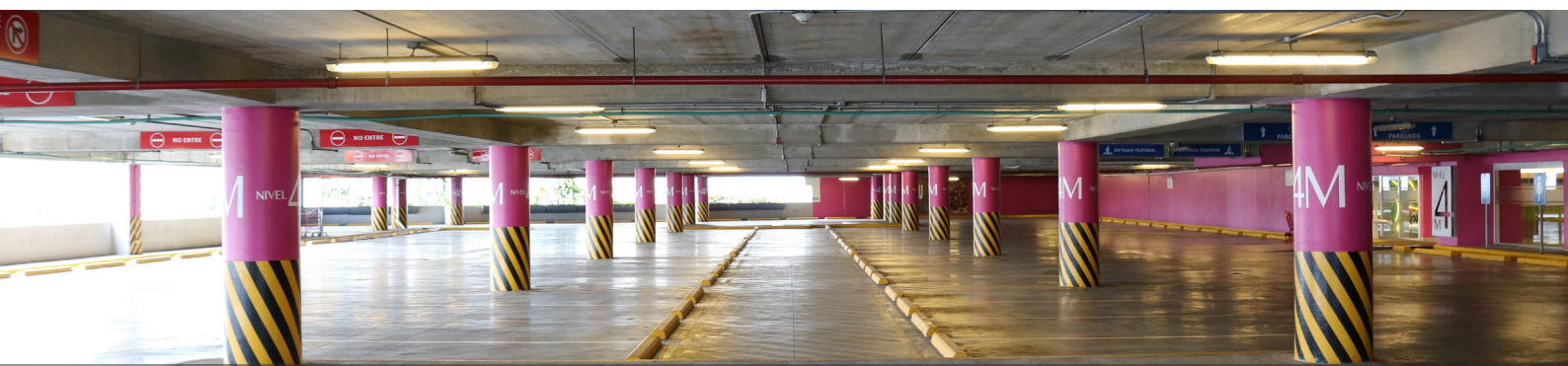
Sensor Plan

A parking garage consists of one or more logically arranged lighting zones, for example a parking deck, level or separate area. Sensors (motion detectors) are placed at all entrances and exits of the parking garage such as the ramp, entrance, exit, elevator hall and the staircase. If a parking garage is divided into several zones, sensors are also placed on the zone transitions.

Remote Management

If desired, you can remotely manage, monitor and operate your lighting system. The installation provides information on, among other things, energy consumption, malfunctioning of lamps and sensors and burning hours. The energy consumption, maintenance and lifetime of the installation can be optimized in this way.

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Contact information

Chess Wise B.V.
www.chess-wise.eu
info@chess-wise.eu
Tel: +31 (0)23 51 49 149

Visiting address

Oudeweg 115B
2031 CC Haarlem
The Netherlands

Shipping address

Oorkondelaan 65
2033 MN Haarlem
The Netherlands