

## Connect & Control

# Locally controlled lighting

## Control and adjust the light level according to the need on site

Choose locally controlled lighting if residents experience light nuisance, in areas where flora and fauna deserve peace and on quiet roads with little traffic where it would be a waste to illuminate all night. Locally controlled street lighting is dimmed as much as possible and only illuminates when there is a need for light.

### LIGHTS OFF FOR AS LONG AS POSSIBLE

In the case of bespoke street lighting, also known as on-demand lighting, the light level goes up as soon as the motion sensor detects the road user. As soon as the road is empty again, the light dims automatically. Because the lighting is dimmed as much and as long as possible, up to 80% energy will be saved and the light nuisance for local residents and nature will be minimized.

### SMART LIGHT CONTROL

A link between Luminizer Connect & Control and motion sensors, external communication systems or traffic measuring equipment results in locally controlled lighting. For example:

- A motion sensor on each lighting column, enabling the light level to increase as soon as someone approaches and to dim immediately as soon as the he has gone by. With an smart motion sensor the road is being illuminated ahead of the road user.
- Luminaires with multiple light compartments which can be dimmed independently; more light on the street-side, less light in the living room.
- An infrared sensor or Doppler radar, for detecting slow and fast traffic at intersections, at traffic lights and pedestrian crossings.
- Activating streetlighting by text message or proprietary systems used by the police or emergency services.

### Increase the light level using motion sensors

In a residential area in the city of Helmond, all street lighting is equipped with motion sensors. Each sensor ensures that the light level of that particular lamppost goes up as soon as someone approaches. Shorter or longer, depending on the speed of the road user. The 'light bubble' goes ahead of him and each streetlight dims again as soon as the road user has passed by. In this way he has good visibility and local residents experience as little light nuisance as possible.

### Illuminate only in specific directions

In the city of Hengelo, a street has been illuminated with luminaires consisting of four independently controllable light compartments. By dimming the compartment on the house-side, a good night's sleep is guaranteed. On the street-side, a higher light level ensures good visibility and safety for traffic.

### Extra streetlighting for safety in case of incidents

In the city centre of Haarlem extra lighting has been chosen in the nightlife area for the purpose of social safety. As soon as the cafes close, the light level of the goes up and in case of incidents, the light percentage increases to 100 percent, activated by text message or the police communication system.

### MORE INFORMATION

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