

Smart lighting

The right technology for each area

## Dynamic street lighting with specific functions

A city consists of different types of roads and areas, such as residential areas, ring roads, rural areas and cycle paths. All have different requirements for public lighting. Luminext offers a complete range of smart lighting systems, which you manage and control with Luminizer CMS.

### BUSY AREAS IN THE CITY CENTRE

Sometimes more light is needed to ensure safety and comfort on the street. Think of the moment that the pubs close and everyone is going home or a crowded event in the city centre. The remotely activated spotlights and event lighting provide extra light when it is needed.

### MAIN ROADS

On highways and main roads the street lighting can often be dimmed during the night. On these roads the traffic volume is continuously measured by traffic loops in the road and in case of a traffic jam or an accident, these measurements will show the actual situation. By connecting the traffic information system to the street lighting the light intensity automatically increases when something occurs.

### TUNNEL OR UNDERPASS

To prevent drivers from entering darkness or being blinded by sunlight when leaving a tunnel, sunlight-controlled lighting is applied. A light sensor determines the light intensity; more light at the beginning and end of the tunnel, less in the middle.

### NATURE RESERVE

Bats are sensitive to light interference, especially blue LED. In the habitats of bats, near nature reserves and in residential areas, dimmable, colour adjustable, bat-friendly lighting ensures that the animals are not blinded.

### DANGEROUS CROSSINGS AND ROUNDABOUTS

At intersections and roundabouts in quiet outdoor areas it is a good idea to dim the street lights when there is no traffic. In case a car or cyclist arrives, more light ensures good visibility and a safer situation on the road. A sensor or radar activates the lighting adjusted to the speed of the road user.

### RESIDENTIAL AREA

If residents are annoyed by street lighting shining in their living room or bedroom, street lighting with sensor detection is an appropriate solution. The sensor activates the light as soon as someone approaches. As soon as the road user is out of sight, the light dims automatically. A luminaire with multiple light compartments that you can dim independently is also available. The compartment on the house side, for example, can then be lowered or even switched off.

### BICYCLE PATH

Riding a bicycle must be a comfortable and safe activity. Good visibility is important, in the city, but also in the remote and industrial areas. Dynamic bicycle path lighting, possibly in combination with sensors, radar or a push button, illuminates the bicycle path as soon as there is a cyclist and dims straight after the cyclist is out of sight.

### MORE INFORMATION

**Luminext,**

Schoudermantel 37, 3981 AE Bunnik, The Netherlands

Tel. +31 30 207 2017 - [info@luminext.eu](mailto:info@luminext.eu) - [www.luminext.eu](http://www.luminext.eu)