



Photo credit: TVILIGHT Projects BV

Smart street lights have been around for quite some time now and they are helping cities across the globe to become smarter, safer, and energy-efficient. They give complete control of public lighting infrastructure to the municipality/ lighting operator; cut energy cost and help limit operating and maintenance costs. Smart street lighting even contributes toward the planet – helping lower light pollution and carbon emissions and benefiting local flora and fauna. Now, thanks to new innovations, smart street lights also help create the right ambiance on the streets!

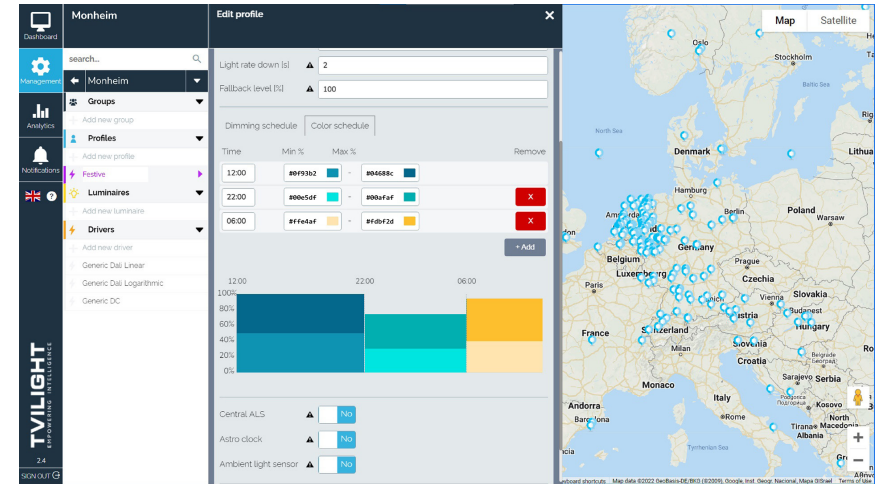


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The town of Monheim am Rhein in Germany, home to 40,000 citizens, sets an excellent example of such human-centric intelligent street lighting. The administration always believed in making the town better and more attractive place where citizens enjoy a great quality of life and tourists experience a wonderful stay. To achieve this, Monheim made a wise investment in a state-of-the-art RGBW (colour) smart street lighting solution, which gave the administration the ability to create a pleasing ambiance for the citizens, tourists as well as local businesses.

“Using modern digital solutions, such as smart streetlights, we are improving the quality of life of our citizens as well as Monheim’s attractiveness as a location for business,” said Daniel Zimmermann, Mayor of Monheim.

Through a central management system, the administration can monitor, control and manage individual IoT-connected street lights from a centralized location. They can easily set the on / off timings, lamp brightness, and even the colour of street lights. Further, the colour of street lights can be scheduled well in advance for specific days or certain festive events, helping the administration to plan in advance. The administration also has the option to pair such street lights with motion sensors, which help tune the colour based on human movements.

It is truly a future-proof smart city solution that helps the town of Monheim to:

- Remotely create colourful light scenes to match special events in the town
- Inspire citizens to spend more time outdoors
- Attract tourists
- Benefit local businesses
- Achieve exceptional energy savings
- Reduce operating and maintenance costs
- Prevent light pollution and CO2 emissions
- Protect local flora and fauna
- Create a foundation for IoT and Smart City applications to realize its “Monheim 4.0” goals

#### PROJECT DATA

**Project Name:** Monheim Town  
**Project Location:** Monheim am Rhein, Germany  
**Client:** Stadt Monheim am Rhein // Lehner Leuchten  
**Lighting Product Supplier:** TVILIGHT Projects B.V.  
**Lighting Products:** Tvilight’s RGBW (colour) smart street lighting solution  
**Completion:** 2022

The RGBW smart street lighting solution is offered by TVILIGHT, Europe’s leading company for street light motion sensors, street light controllers, and a central management system. They have over 800 projects across the globe and believe that more cities will adopt RGBW smart street lighting to make citizens happy and the planet greener.

“Colourful street lights create a pleasing environment for citizens and visitors. Colours inspire citizens to spend more time outdoors. This is the first-of-kind RGBW smart street lighting project, and Monheim is perhaps the first town in Europe to have such a solution. We are convinced that Monheim implementation will inspire other towns and cities to adopt smart lighting solutions,” said Heide Jeuken, CEO, Tvilight.