

Smart Lighting

Dynamic weather based lighting

Product sheet



Sustainer 

Dynamic weather based lighting

Product information

Solution

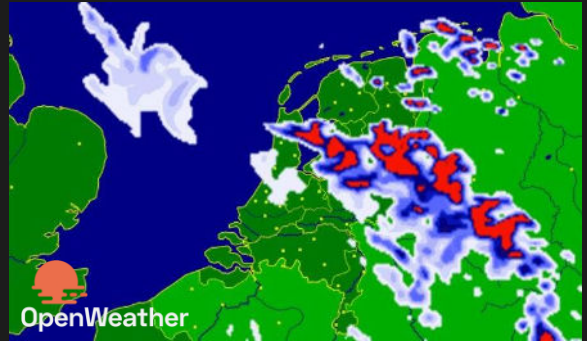
The energy transition is in full swing and all over the world people are looking for new ways to save as much energy as possible to meet climate goals. This is no different for public lighting. In addition to the application of increasingly efficient LEDs, an important trend is the search for solutions using less light.

Solutions such as motion sensors and more economical dimming regimes are increasingly used and these help to reduce energy consumption. An important condition here, however, is that the safety of road users is compromised as little as possible.

No matter how well all chosen technical solutions work, sometimes it is still undesirable to have less light in public spaces. In hazardous weather conditions, for example, safety is paramount. It is a known fact that both PIR- and radar sensors do not function as well during heavy rainfall.

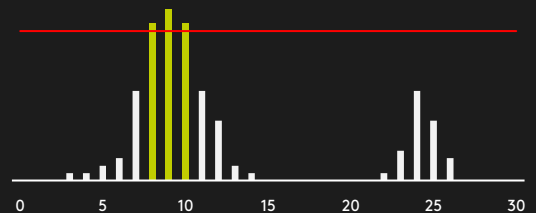
Sustaider is introducing '**Dynamic weather based lighting**' for this purpose. For this service, Sustaider combines standard connectivity with real-time weather data to temporarily increase lighting in case of heavy rain.

The advantage is that motion sensors and/or an economical dimming regime can be applied while still ensuring safety.



Sustaider uses a real-time weather API to load current weather data into its platform. We use this data to control lighting based on expected precipitation. So, thanks to the standard connectivity of Sustaider fixtures, no additional hardware is needed to use this service!

Rain forecast (mm)



When precipitation is predicted to exceed the critical value in the next 15 minutes, lighting is temporarily increased. Once the rain has passed, the lighting returns to the dimmed light level.

Advantages



Maximum energy savings



Existing connectivity



Safety guaranteed



No additional hardware

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