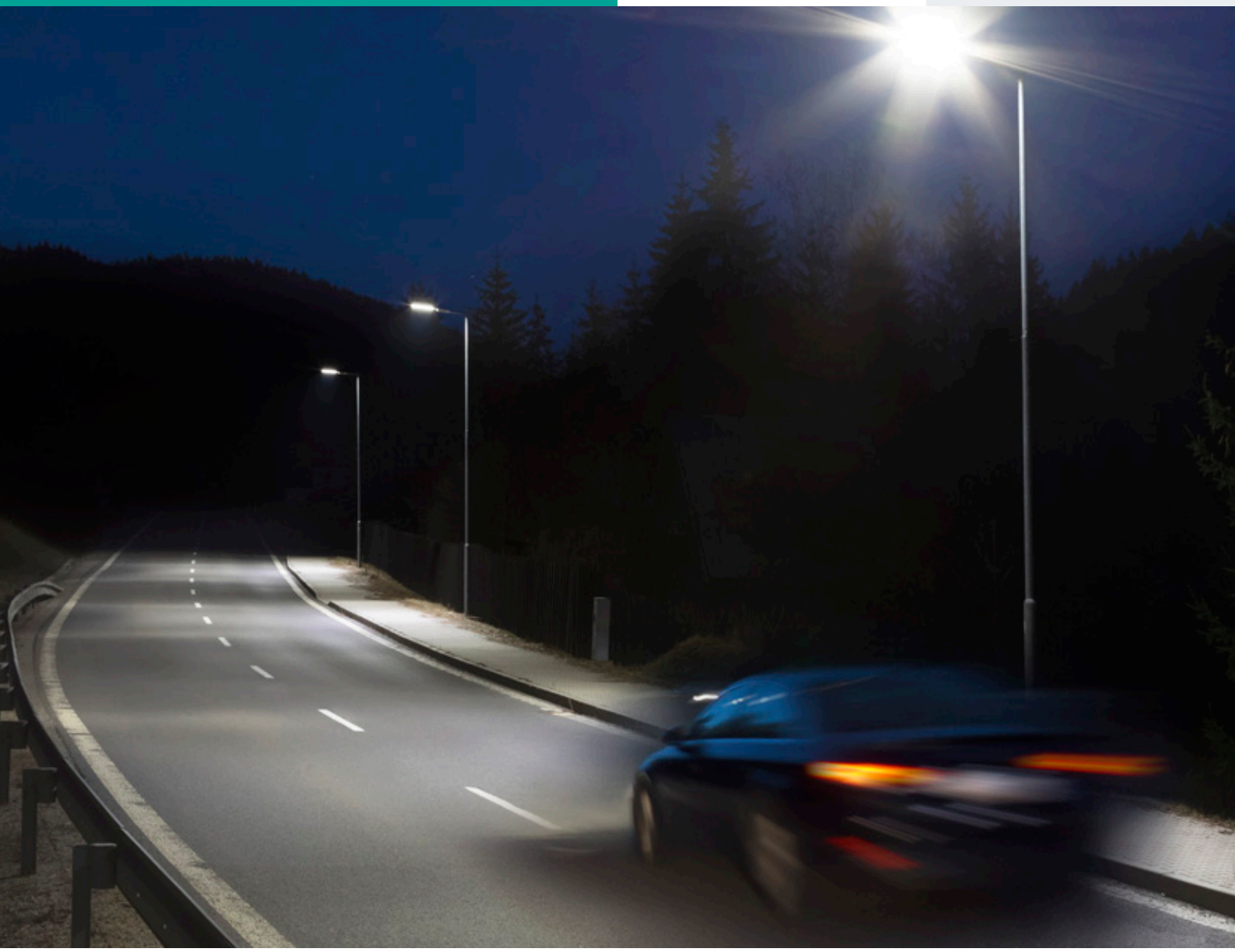
Remote Controlled Lighting.
Partial Function Control.
Target-oriented Safety.

Radar Controlled Light Event

Light-on-Demand
with RadarNative LoD



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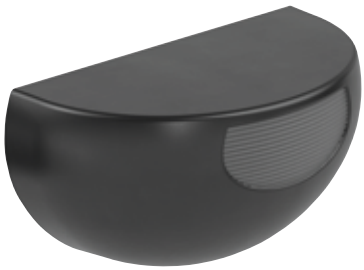
Intelligent Sensor Solutions

Light-on-Demand

Radar Controlled Light Event

The term Light-on-Demand couples two worlds - the world of radar sensors and the world of lighting, which today manifests itself in LED technology.



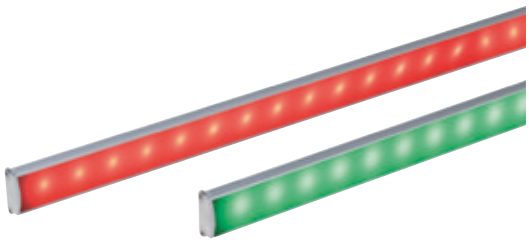
Excerpt of Technical Data	RadarNative
Design printed circuit	board assembly or complete sensor
Power supply	12 V DC-24 V DC
Power consumption	< 2.5 W
Operating frequency	24 GHz
Hardware output	NPN / PNP or relay
Analog output	1 – 10 V PWM = pulse width modulated signal
Digital 2-wire interface	DALI with protocol

The Heart of the Light-on-Demand Lighting System

is the radar sensor **RadarNative**. Thanks to its technology, lighting of streets and pedestrian walkways can be controlled and switched based on demand, ensuring the function for purpose and safety - both out of town and in towns and cities.

Modern radar sensors enable these lighting concepts in direct interaction with lamps or, for example, via radio networks, so that entire areas can be controlled accordingly. In this case it is also possible to direct and configure them remotely from a control center.

In addition to local outdoor lighting, however, rows of shop windows in pedestrian zones, can also be operated and controlled in the same way. By using the radar sensor only those shop windows are fully illuminated which people approach, stay in and leave again.



Excerpt of Technical Data	LED-Stripes
Dimensions	X mm x 17.5 mm x 7 mm
Operating voltage	24 V DC + 25 % / - 30 %
Power dissipation	max. 0.5 W / 100 mm
Operating temperature	-25°C ... +60°C
LED viewing angle (2θ1/2)	100°
Connection cable	10 m long, 3-wire
Protection class	IP67
MTTFd	230 a

LED Solutions

LED illumination can be produced in many designs. For example, LED strips are used in a wide range of applications where signaling is required, such as traffic lights and warning functions; also in logistics for forklift or AGV operation indoors or as supplementary information outdoors in the forwarding environment in the form of a guidance system and docking aid; or simply as a light signal in barrier systems on the barrier beam, etc.

Sensotek offers such customized LED solutions - with suitable mechanical connections.

Advantages of LED Lights:

- Long lifetime, no maintenance costs
- Reduction of CO_2 emissions
- Better electrical performance and luminous efficiency
- Available in various colors, from warm to cold light
- Can be recycled in an environmentally friendly way

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