

ELUMO 5G – Intelligent Street Lamp



High-speed WEB access with 5G street lamp base station

5G Architecture

- LTE 4.0 standard LTE Speeds on 3.75 GHz
- Cloud Radio Access over optical fiber

5G Service

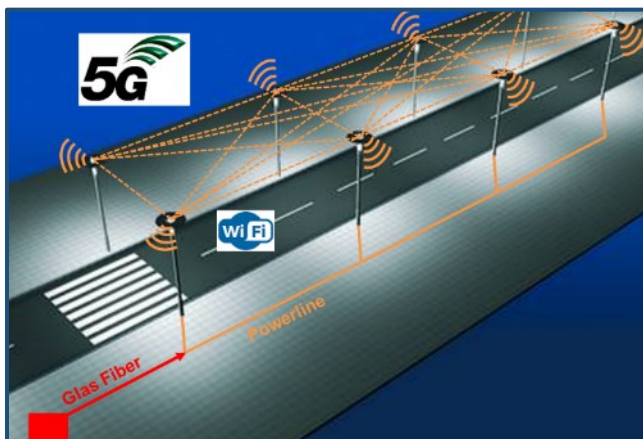
- Ultra-reliable and low latency communication
- Increased user security due to reduced transmit power
- User localization +/- 2 cm
- Gateway for massive machine to machine communication

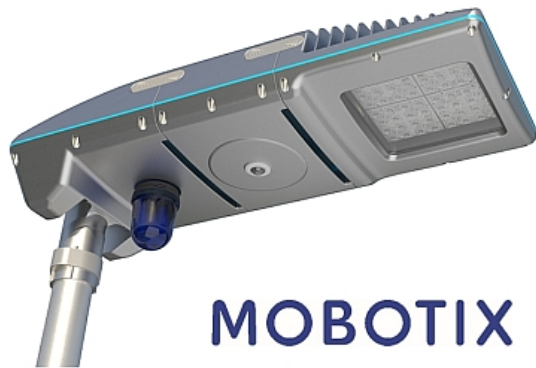


WLAN

- 4x4 AC3100 WLAN
- 2.100 Mbps @ 5 GHz band
- 1.000 Mbps @ 2,4 GHz band

Functions





VMS*-based Analytics

- Object Line Crossing Detection
- Object Enter Area Detection
- Missing Object Detection
- Unattended Object Detection
- People Queue Detection
- Smoke Detection
- Object Line Counting
- People Counting & Face Detection
- Object Based Motion Detection
- Heat Map
- Dwell Time
- Direction Detection
- Automatic License Plate Recognition

Drone Defense System

For highly sensitive security areas with the highest demands on perimeter protection, e.g.

We also offer a drone defense system at airports, factory sites or test tracks for the automotive industry. This is integrated in the middle module of the ELUMO 5G and its performance can be scaled.

