Libelium Brings New Smart Lighting Sensor Solution to Smart Cities

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Libelium [1] (Spain) has announced the availability of a new Smart Lighting solution for Smart Cities deployments based on the modular Waspmote Plug & Sense wireless sensor network platform.

Measuring ambient light (luminosity) with a new set of directionable sensor probes, Libelium's Smart Lighting device also includes temperature and humidity sensors, and is capable of monitoring conditions inside buildings or in tunnels, and outside in the streets.

"Smart Lighting is one of the key Smart Cities applications," says David Gascón, CTO of Libelium. "It allows municipalities to save money and energy by dimming lights during low traffic hours and to enhance security by lighting dark areas when people are passing."

- Sensor accuracy: can measure precise light intensity information ranging from 0.1 to 40,000 lux. What makes it able to detect sunrise, sunset or small variations in cloud appearance and trigger actions for smart control of lighting
- Directionable sensor probe to be easily adjusted in the desired direction, even pointing directly to the sky, for the best accurate results.
- Device combines a broadband photo-diode to detect visible + infrared light; and an infrared-responding photo-diode on a single CMOS integrated circuit to provide a near-photopic response over an effective 20-bit dynamic range, with 16-bit resolution
- High sensitivity is appropriate for indoor and outdoor use; capacity for real-time monitoring response makes Libelium's Smart Lighting solution attractive for use in Smart Cities, intelligent buildings and security systems.

For more information visit http://www.libelium.com [1].

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http://www.wirelessdesignmag.com/product-releases/2013/03/libelium-brings-new-smart-lighting-sensor-solution-smart-cities?qt-digital_editions=0

Links:
[1] http://www.libelium.com