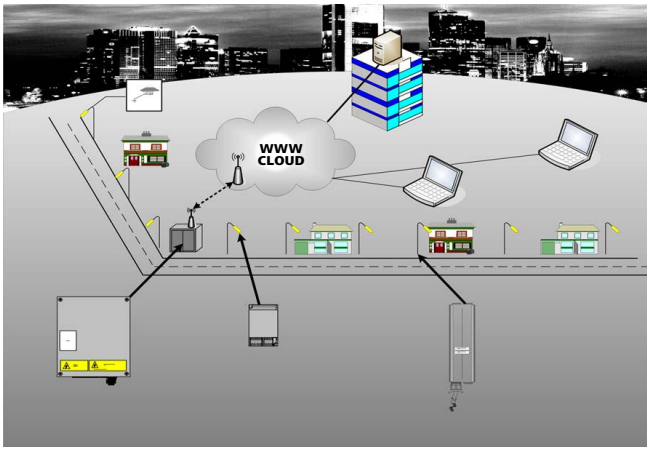

Managet night

Control and monitoring

Data concetrator
in the distribution board

Controller integrated in the luminaire
head or pole + Light sensor (optional)

Components for use	
LMS CU VS LUMINAIRE NODE	Intelligent Luminaire Controller (CODE: 2500708KR000)
LMS CD VS POLE CONTROLLER LI	(CODE: 5502183KR000)
LMS CD VS POLE CONTROLLER SE RAD	(CODE: 5502115KR000)
LMS CD VS DATA CONCENTRATOR	Intelligent Data Controller (CODE: 2500709KR000)
LMS SE VS LI	Intelligent Lux Meter with Power Line Interface (CODE: 2500711KR000)
LMS CD VS COUPLING UNIT	Intelligent, Capacitive Coupling Unit (CODE: 5502113KR000)
LMS CD VS WIRELESS BRIDGE	Intelligent Wireless Bridge (CODE: 2500713KR000)
LMS SE VS MO RAD STREET	Intelligent High-Frequency Sensor (CODE: 2500715KR000)
LMS IT VS STREET CENTRUM	Intelligent Luminaire Information Centre (CODE: 2500714KR000)

POWERLINE OUTDOOR SYSTEM

Many street lighting facilities are outdated and are therefore highly inefficient. This not only results in higher energy requirements, but also more maintenance work and higher investment costs. All this adds up to street lighting accounting for approx. 30-50% of the entire power consumption recorded by municipal and other types of local authority - which amounts to a huge cost factor for public budgets to cover.

The lighting solutions provided SLE ensure that local authorities can save energy, achieve sustainable cost reductions and at the same time make a valuable contribution to reducing CO2 output. Using various lighting situations as examples, energy savings of up to 80% can be achieved. SLE`s light management systems enable centralized control of individual luminaires with the advantage of a constant online link and the ability to monitor the lighting system. But these intelligent, multifunctional SLE controllers provide the same savings potential and high flexibility even without online connectivity.

Typical Applications

- General lighting in public spaces
- Lighting in the vicinity of buildings
- Lighting in tunnels
- Lighting for sports' venues

Targeted Use of Light and Optimization of Maintenance Processes

SLE`s Street Lighting system makes it possible to dim individual luminaires or entire luminaire groups. Depending on the requirements, the degree to which the lighting level is dimmed can be sensorcontrolled or can comply with a preset level (the burn-in periods of discharge lamps can also be taken into consideration). Considerable savings potential can be harnessed by need-driven programming and/or lighting control. Thanks to the system's convenient remote monitoring functions, it is possible to optimize maintenance processes as well as better plan maintenance work and budget for it in more detail.

Flexible Structure

The complete Street lighting system is suitable both for new installations as well as for classic retrofits. The particularly flat designs of the controllers enable installation in almost all luminaires, especially luminaires featuring LED technology. The system enables control of luminaires operated with magnetic ballasts as well as luminaires with up to four dimmable electronic ballasts with a 1-10 V or DALI interface.

Managed Night

Power-line technology enables bidirectional data transfer using the 230 V supply line. As a result, controllers can be grouped together to form a high-performance network using just the cables provided (without needing any additional control lines) in almost any environment. Data can thus be transferred to each controller connected to the network with a very high degree of reliability; if necessary, signal strength is automatically boosted, thus removing any restrictions in terms of distance.

LMS IT VS STREET CENTRUM - intelligent Luminaire Information Center

The luminaire information center is the central control instrument of a light management system. All connected luminaires can be controlled, monitored and displayed using a web-based server application. As the software is a wholly web-based application, system maintenance can be carried out via the web.

The following actions can be controlled:

- Switching individual luminaires on or off ahead of defined luminaire groups
- Defining the most diverse timer settings
- Evaluation and display of the lighting system status depending on various types of error message
- Evaluation of energy consumption at individual luminaire and luminaire-group level
- Graphic display of all acquired data over time (voltage, current, power, temperature, power factor, lighting hours, ...)