

Lighting control for SMART CITY

40% electricity savings

SEAK



Compatibility

Any luminaire (LED, HID or HPS) can be managed by SEAK over existing powerline.



Remote control

With our user-friendly software you get access to full city lighting management and complete view of your lighting infrastructure.



Dimming schedule

Define pre-set dimming schedules, automatically adjusted based on astronomical sunset/sunrise with a click of your mouse.



Energy measurements

Know exactly how much you spend on your lighting.



IoT platform

Besides lighting, SEAK controls provide connectivity also for electric vehicle chargers and other IoT devices.



Great ROI for smart cities

Save 40% of energy with automated smart dimming schedules. Also after changing to LED.



Automated notification

Receive messages of faults concerning your city lighting via email or SMS. Detect vandalism or power theft.



Lifespan

Dimming prolongs the lifespan of your LED lamps.



User-friendly application StreetLite

StreetLite is a simple and user friendly application that manages city-wide lighting configuration, communicates with control unit and performs automated diagnostic, alarms and provides data for reporting.

Savings and ROI Comparison with Seak SMART

The municipality considers changing old lighting for modern LED with smart control.

Base parameters (Example)	Savings	Old luminaires	LED	LED + Seak Smart
El. cabinets: 3				
No. of el. Lines for lighting (total): 9				
Total of original discharge luminaires: 350				
Daily hours of lighting on: 12				
Price of electricity (incl. VAT): 0,15€/kWh				
New LED lighting expected lifetime: 13 years				
	Average power [kW]	57,5 kW	34,5 kW	22,4 kW
	Yearly el. consumption [kWh]	252 023 kWh	151 214 kWh	98 289 kWh
	Yearly electricity costs	37 803,38 €	22 682,03 €	14 743,32 €
	Yearly maintenance costs	36 000,00 €	18 000,00 €	5 400,00 €
	Yearly savings	- €	33 121,35 €	53 660,06 €
	Project costs	- €	76 200,00 €	103 648,00 €
	Total cost in 13 years	959 443,88 €	605 066,33 €	365 511,11 €
	Total savings in 13 years	- €	354 377,55 €	593 932,76 €
	ROI if financed by customer		2,3 years	1,9 years

References

Over 500.000 luminaires controlled by Seak technology in the world.

Spain

Barcelona, Sevilla, Huelva
Valencia, Malaga, Alicante

Israel

Tel Aviv, Atlit, Hadera

Ukraine

Kiev, Mena, Kharkov

Russia

Uralskyj, Astrachan

Slovakia and Czechia

70+ cities in CZ and SK

„SEAK technology gives us a competitive edge in smart lighting projects in Israel.”

Malkiel Hagbi, CEO Eneltec (Israel)

„Effective management of public lighting from Seak company has been used in Ptruksa since 2015. The main motivation was to make savings at several levels: reduction of electricity consumption, reduction of the burden on the environment as well as the reduction of the operating costs on street lighting. We have used the saved money for the reconstruction of sidewalks and roads in our village. The big advantage was that during the installation of control system no excavation work was needed. The existing power lines were used.”

Alexander Takacs, Mayor of Ptruksa (Slovakia)

„In all LED luminaires are used products for smart lighting control manufactured by Seak Energetics. Products are point of view of quality and reliability in full compliance with our requirements. We will be happy to use Seak products for lighting control in our LED luminaires in other project and applications in the future.”

Lukianenko A.V., CEO Radiy Ltd (Ukraine)