



Future-Proof
lighting specialists


SAVA
DEDICATED FOR
WARSAW

we
light up
Warsaw



over
30
years
of experience

70 markets worldwide
600 employees
Traded at the Warsaw Stock Exchange
Member of the World Economic
Forum New Champions Community



We are implementing innovative projects in the smart city area. We are helping Polish and European cities save electricity, minimise their negative impact on the environment and increase the safety of citizens. In our search for climate neutrality and in preparing our cities for the challenges of transformation, we are not just focusing on the efficiency parameters of infrastructure modernisation – we are also implementing placemaking projects in accordance with the living light philosophy that allow us to rediscover the identity of cities and build a civil society based on open smart city systems.

This is particularly important right now, when in the new normality we will face the challenge of redefining interpersonal relationships in urban spaces.

We are proud to be part of a project to modernise lighting in Warsaw. It's the largest single modernisation project in Poland and one of the largest in European history, which will bring the city significantly closer to energy neutrality. We're deeply convinced that the SAVA luminaire we've designed, produced and delivered for this project will become the foundation for smart changes in the urban infrastructure tissue.

it's time for a smart change.

One partner for all application areas.

Street
lighting



Horeca
facilities



Public
areas



Art and
culture
buildings



Retail and
shopping
centres



Sport
facilities





Office
buildings



Park
lighting

Industrial
facilities



Medical
facilities



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The Luminaire for Warsaw

We have designed, manufactured and delivered nearly 40,000 innovative future-proof SAVA luminaires for the City of Warsaw. This is one of the largest public lighting modernisation projects in Europe. It will significantly reduce the city's carbon footprint – together we will reduce electricity consumption by almost 28 GWh! This is especially important today, when electricity prices for European cities are rising so much.

Meet SAVA, a luminaire prepared for the challenges of the future. Find out how it can help you meet your city's goals!



ZARZĄD
DRÓG
MIEJSKICH



biuro architektury
i planowania
przestrzennego



Unleash the energy of the city and get ready for the challenges of the future!

- ✓ immediate savings
- ✓ maintenance and service simpler than ever
- ✓ smart-ready technology
- ✓ excellent city light



smart-ready



future-proof



modularity



placemaking

Conventional luminaire in Warsaw

Luminaire power [W]	270
KWh / year	1134
Energy price	0.18 EUR

204.61 EUR

total energy cost of conventional luminaire

SAVA

Luminaire power[W]	80
KWh / year	336
Energy price	0.18 EUR

60.63 EUR

total energy cost of the SAVA luminaire



143.99 EUR

savings per year on one SAVA luminaire and PLN 25 million
on the scale of modernization of the entire contract

An aerial photograph of a lush green park with a winding path and a lake. In the background, a city skyline with several tall buildings and construction cranes is visible under a clear blue sky. The park is filled with dense trees and grass, with a few people walking along the path. The lake has some water fountains spraying water into the air.

Strengthening
the nature of space.
From idea to implementation.

Placemaking

Urban diversity makes challenges in front of us. With LUG you will illuminate even the most demanding space - from squares and alleys, streets, through campuses, promenades to playgrounds and entire parks. Build valuable space in accordance with the idea of placemaking and reclaim the city for its inhabitants. At any time of day or night.

p



place
making

Create valuable space.
Without compromises.

we light up Warsaw

SAVA is already in the first districts of Warsaw!

Approximately 750 new luminaires appear on Warsaw's streets every week. The easy installation of the luminaires allows the installation work to proceed smoothly according to schedule.



We will install nearly

40 000

modern LED lighting luminaires!

The modernization of lighting in Warsaw
is the largest project of this type in Poland
and one of the largest in Europe.

The scope of work completed to date on Warsaw's streets.

	Street and section	Number of luminaires replaced	Estimated energy saving	Estimated financial savings
Ursynów	Puławska (Wyścigi - administrative junction border of the city)	398	652,25 MWh	569 416,52 PLN
Śródmieście	Jana Pawła II Avenue (Zgrupowania AK "Radosław" roundabout - ONZ roundabout)	284	241,94 MWh	211 214,49 PLN
Białołęka	Płochocińska (Modlińska - administrative border of the city)	281	488,49 MWh	426 452,03 PLN
Wawer	Czecha (Sejmikowa - Wawerska)	249	110,26 MWh	96 254,54 PLN
Ochota	Grójecka (Zawiszy roundabout - PKP Rakowiec stop)	189	478,89 MWh	418 069,40 PLN
Praga-Południe	Ostrobramska (Przyczółek Grochowski junction - B. Wieniawy-Długoszowskiego Avenue)	179	334,81 MWh	292 284,92 PLN

state at 19.05.2022

future

Comfortable and safe to service

Open character (LMS)

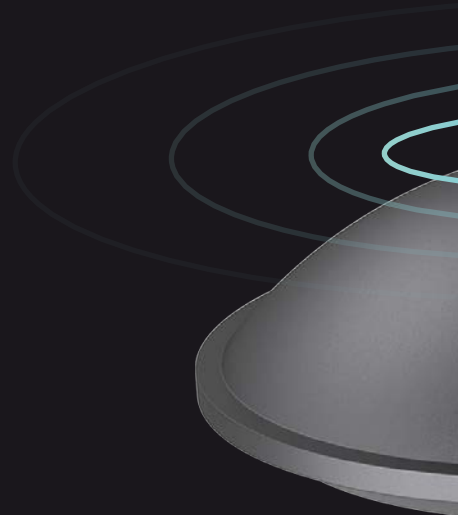
Prepared for the challenges of the future

Putting people at the center

Minimizing Total Cost of Ownership

Environmentally responsible

the easiest path
towards smart city



proof



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Special mounting bracket

Easy and quick, one-person installation
of the luminaires Flexible mounting
options Safety and lifetime guarantee



Automatic solution

Signaling of the
activation of the SPD
- 10kV as a standard

Modular LED module

Replacement LED
modules ensure
long service life

Security

knife switch
as a standard

Specifications



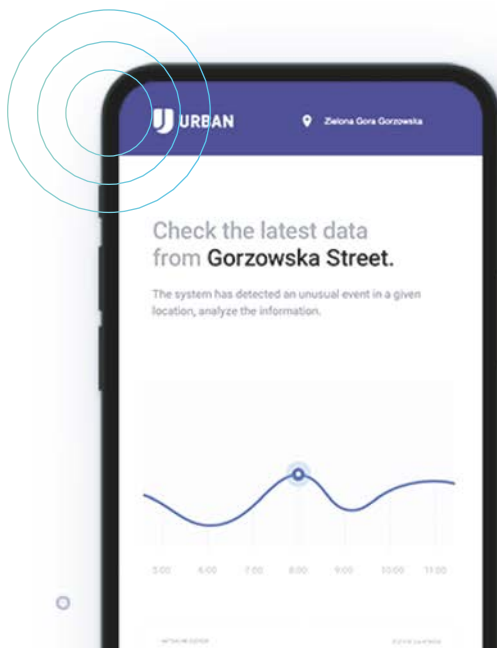
luminaire power	11 - 163 W
efficacy	up to 169 lm/W
luminaire flux	1450 - 25000 lm
colour temperature	2200 K, 2700 K, 3000 K, 4000 K
CRI	> 70
mounting	on pillar, on outrigger 48 mm, 60 mm, 76 mm
dimensions [W x L]	M: 521 x 165 mm, L: 619 x 184 mm
mass	M: 9,4 kg, L: 12,6 kg
optics	7 dedicated urban distributions

Certification Zhaga D4i

Certification ENEC+

Tool-less
service

two sizes
available



NFC

easy contact-less
programming



LUG URBAN

The energy of the city in one place

Meet the original LUG URBAN smart city platform,
designed and developed to monitor and manage
infrastructural lighting and attached sensors!

Smart City workplace

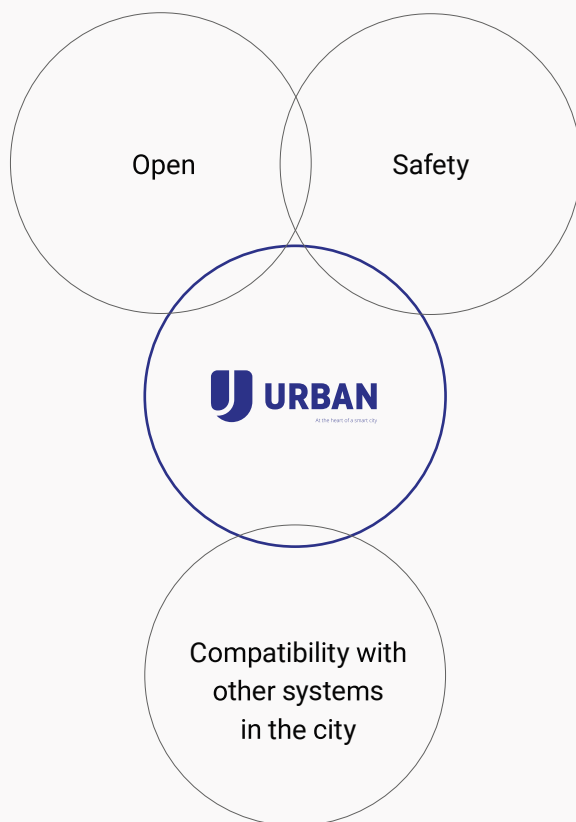
Regain control of the city's infrastructure with the flexible
LUG URBAN system! Location of the luminaires on a map,
luminaire control, measuring electrical parameters,
defining alerts, generating reports and much more.

Smart sensors

Innovate and develop the LUG URBAN system based on
the dedicated Smart sensors! Air quality measurements,
traffic volume measurements, waste management,
parking space management – tell us what you need.

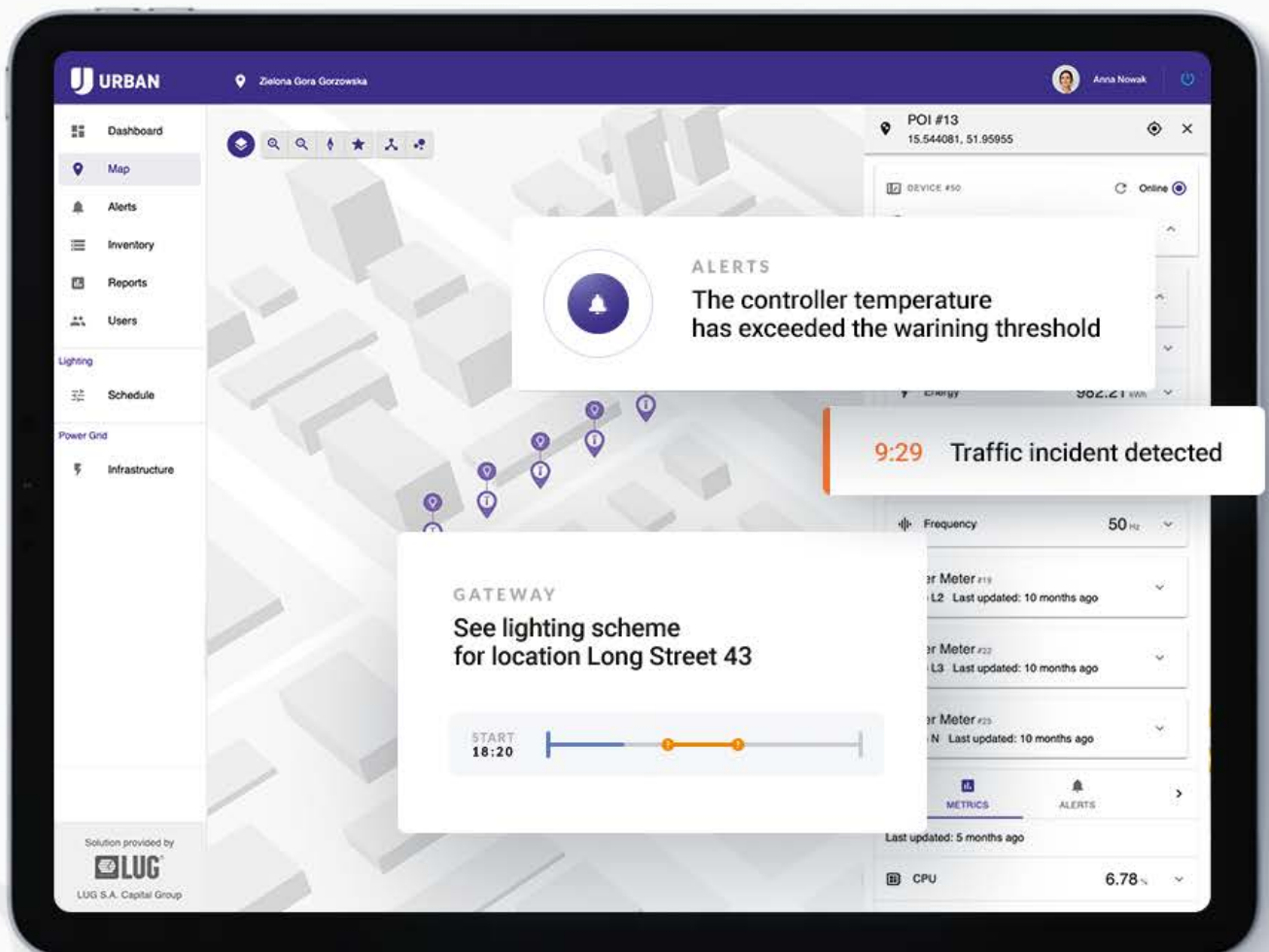
Services

Benefit from our experience and create reliable systems
adjusted to the needs of your city! Design, consulting,
integration, maintenance, updating, retention – because
every city is unique.



The smart platform for you

URBAN Smart System



- 
- ✓ Traffic safety
 - ✓ Comfort
 - ✓ Low operating costs

**Your city.
Only the best solutions.**

Infrastructure projects that directly improve the relationship between residents and their cities are our speciality. Take advantage of more than 30 years of experience of LUG's designers and engineers included in the complete portfolio of professional luminaires for infrastructure lighting – prepare for future challenges and design the infrastructure with us. On point!

Street junction, Gocław, Praga-Południe

The lighting of Warsaw's junctions improves road safety.
Illuminating pedestrian crossings significantly increases
their visibility.

We Light Up Warsaw!

We have been participating in the positive changes in Warsaw for many years. Together we have illuminated kilometres of roads, buildings - both the smallest and the most prestigious ones, as well as metro stations. We create numerous urban stories written by light, thanks to which the city is closer to its inhabitants!





S7 express road

Low operating costs and easy management thanks to delivery of luminaires with the LUG URBAN system.



"Młynów" metro station

Lighting a couple of Warsaw's underground stations with luminaires specially designed for the project.



Raffles Europejski Warsaw

The illumination designed by a team of architects and designers from LUG Light Factory, which highlights the beauty of historic facades.



"Świętokrzyska" metro station

The central section of the second metro line was awarded in the competition for the Best Lighting Project organised by the Polish Lighting Industry Association.





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