

The Better Choice.
NNI⁸⁰⁰Light and NNI¹⁰⁰⁰Light.
Lamps to purify our water.

NobleLight

 **excelitas**[®]

NNILight disinfection lamps with superior output.

Best purification for clean water.

The **NNILight** series is a highly cost-effective way to disinfect water due to its higher UVC output and lower maintenance costs. End users benefit from a significantly lower total cost of ownership compared to other low pressure lamps as a result of longer operating lifetime and decreased downtime.

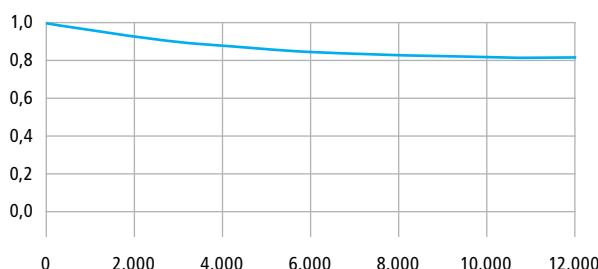
The result: Cleaner drinking, waste and industrial water, in agriculture, aquaculture, or food and beverage production.

NNI⁸⁰⁰Light and **NNI¹⁰⁰⁰Light** (800 W and 1000 W) are not only state-of-the-art solutions, but come with all the advantages of a technology leader and tested supplier. We are proud to provide you with the expertise you need for the best possible water disinfection by being innovative, reliable, and, of course, a true partner. Therefore, our product portfolio is a reflection of our close collaboration with our customers.

Longer Lifetime.

The **NNILight** series outperforms other lamps on the market with its high output and robust design. This makes the **NNILight** the preferred choice not only in economical terms, but also in environmental terms.

UVC, a.u.



Longer lifetime: more than 12,000 h at high UVC output



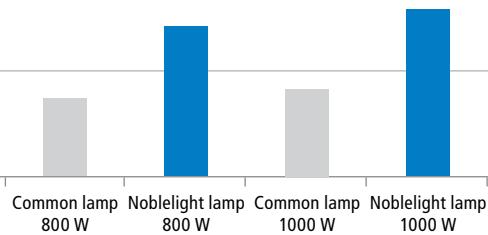
More power: higher UVC output for a given lamp length

Lamp Efficiency

40%

35%

30%



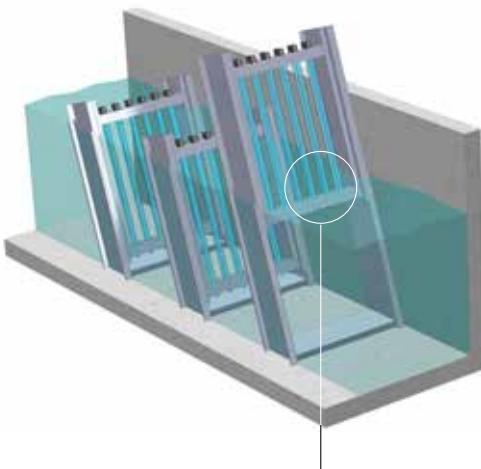
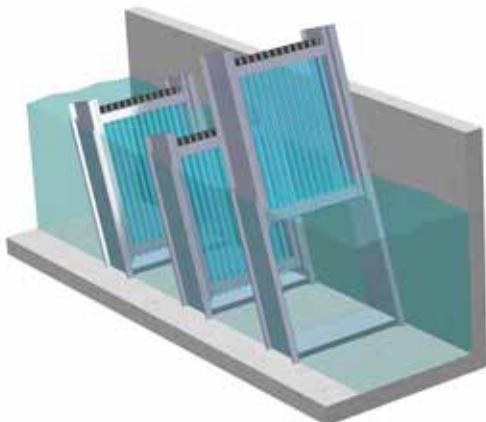
More Efficiency, Lower Maintenance Costs.

The reliability of the **NNILight** series saves money due to fewer lamp replacements and lower maintenance costs. Their improved efficiency results in a higher UVC output compared to common lamps. Therefore, implementing the **NNILight** series, means you will need fewer lamps for the same UVC output.

Lowest Total Cost of Ownership.

The result is a very favorable total cost of ownership, compared to other low pressure lamps. In addition, the innovative light is environmentally friendly due to its sustainable production process.

- Same UVC power with fewer lamps
- Less maintenance
- Less electrical power needed
- Less downtime due to fewer repacements
- Less material/wiring needed
- Less spare parts
- Less head losses



Same UVC power with fewer lamps

Reliable and temperature stable.

The **NNILight** series is not only efficient and longlasting, but also robust and reliable. It is highly stable even amid fluctuation water temperatures.

The best Ability is Availability.

Our customer focus makes the difference: We are always at your side, with our know-how, experience and consulting. That makes us a true and reliable partner. Our high production capacities ensure a stable supply chain.

NNI⁸⁰⁰ Light Technical data

Lamp Power	800 W
Operating Position	horizontal to vertical
Tube Temperature	max. 150°C
Tube Diameter	38 mm
Arc Length	1600 mm
Radiation Flux at 254nm	290 W
Available as	ozone generating/ozone free
Customizing Options	lamp bases, connectors

NNI¹⁰⁰⁰ Light Technical data

Lamp Power	1000 W
Operating Position	horizontal to vertical
Tube Temperature	max. 150°C
Tube Diameter	38 mm
Arc Length	2000 mm
Radiation Flux at 254nm	370 W
Available as	ozone generating/ozone free
Customizing Options	lamp bases, connectors

Customized Solutions.

As a technology leader and proven experts, we are committed to finding the best solution for each individual environment. Together, we look at your challenges and tasks and consult with you using our detailed know-how and long-term experience.

The Best Way to Purify Water.

The NNILight is not only a reliable and cost-effective solution, but comes with all the advantages of Noblelight OoA amalgam lamps. As an effective solution for water disinfection, they provide an excellent economic and ecological choice due to their maximum lifetime and optimized energy consumption. The lamp temperature stability over a wide water temperature range – while dimming as well – makes your disinfection system highly efficient. Furthermore, NNILight can be used not only as UVC-lamps for disinfection or AOP applications. As an ozone generating version our lamps produce ozone to destroy chemical pollutions in air or generate OH-radicals in water in TOC-applications.

Therefore, the NNILight series fits perfectly for:

- Drinking, waste and surface water treatment
- Aquaculture
- Agriculture
- Process/industrial water (food/beverage, dichlorination)
- Air treatment

Your NNILight Advantages:

- More efficiency
- Lowest head loss
- Lowest maintenance costs
- Best purification for clean water
- Lowest total cost of ownership
- Customized solutions
- Sustainable (reduction of manufacturing material)

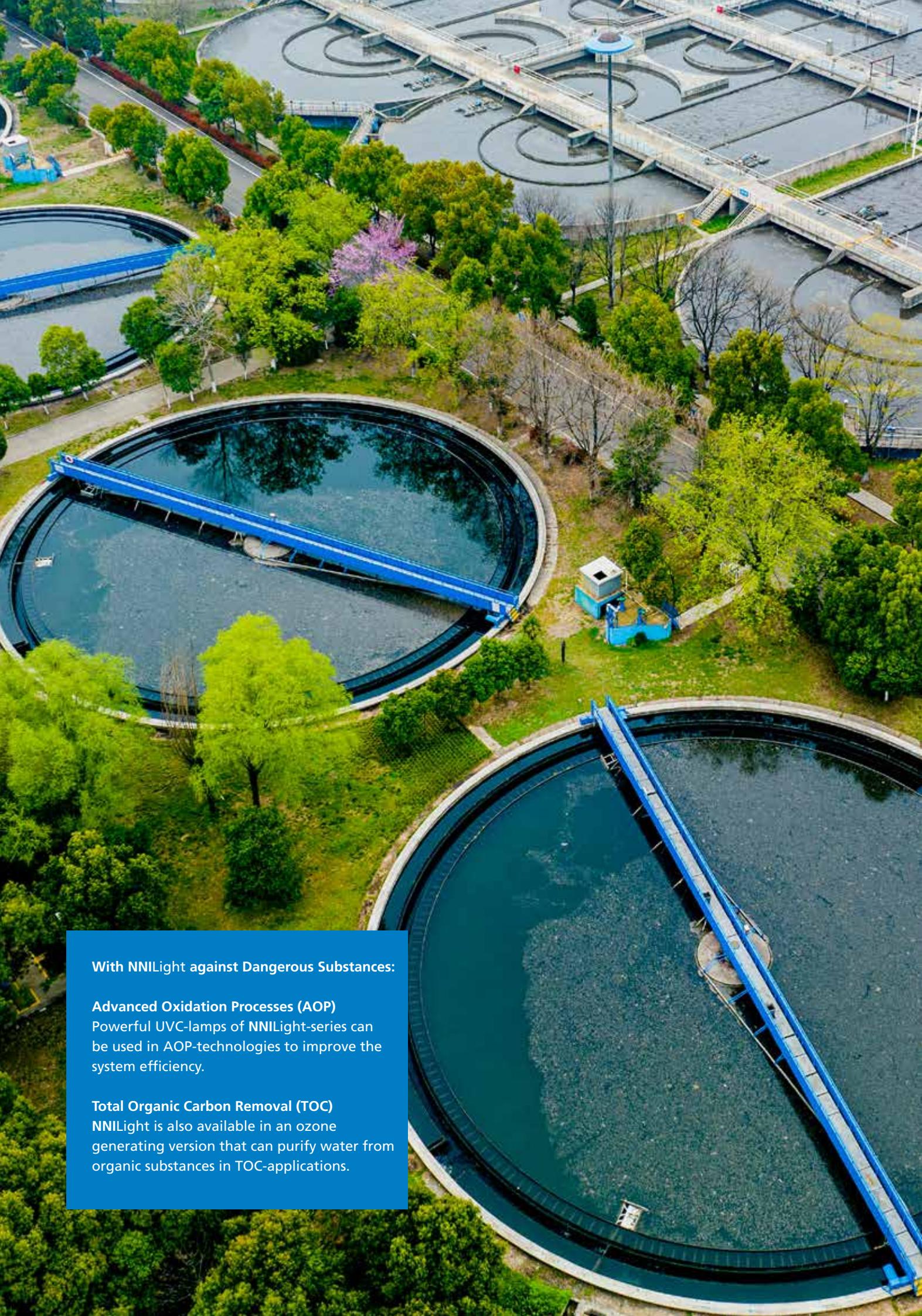
A True Partner.

We strive to make you successful: We packed the most advanced technology into our lamps. With the robust design and reliable quality, we ensure that your customers are satisfied. Based on our many years of experience in water treatment applications and technologies, Noblelight is one of the most innovative companies in the market – from the development of one of the first Mercury quartz glass lamps in 1904 to the development of the NNI¹⁵⁰⁰Light, our 1500 W low pressure UVC lamp.

Bundled solutions with additional components like sleeves and power supplies are also available.

Please ask your Noblelight Expert: We'd be glad to help you.

Lamps contain mercury. Manage in accordance with local, state or federal disposal laws.



With NNILight against Dangerous Substances:

Advanced Oxidation Processes (AOP)

Powerful UVC-lamps of NNILight-series can be used in AOP-technologies to improve the system efficiency.

Total Organic Carbon Removal (TOC)

NNILight is also available in an ozone generating version that can purify water from organic substances in TOC-applications.

About Excelitas Technologies

Excelitas is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor, aerospace and defense end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of photonic technologies, offering leading-edge innovation in sensing, detection, imaging, optics, and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence, connected devices (IoT) and military modernization.

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For a complete listing of our global offices, visit www.excelitas.com/Locations

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