



**LIGHTING SOLUTIONS** FOR DEMANDING CONDITIONS

# LIGHTING DESIGN WITH A DECADES-OLD TRADITION

The roots of I-Valo's lighting design extend back to the famous Iittala Glass Factory, which is located just a stone's throw away from I-Valo's factory. Design is still an important part of I-Valo's products, and it has increasingly been invested in.

In Finland, the development of industrial lighting for demanding conditions began in the 1970s, when the major Finnish steel factory Rautaruukki required lighting that was suited for a rough factory environment. Together with the customer, I-Valo developed its first horizontally burning industrial luminaire – and the rest is history. Some factories still use the I-Valo luminaires installed in the 1970s.

The I-Valo luminaires are manufactured in a production facility located in Iittala, Hämeenlinna. The majority of the produced products are exported all around the world. I-Valo is part of the international Fagerhult group, which operates actively with 13 brands in over 20 countries.



# MAKING THE WORLD **BRIGHTER**

I-Valo has its sales force in Scandinavia and Europe.  
Market areas include Russia, the Middle East, China,  
South America and the US.



# FOR INDUSTRY, HOMES, AND PUBLIC SPACES

I-Valo provides energy-efficient and customer-oriented high-performance lighting products and solutions for extremely demanding industrial conditions, homes, and public spaces. The tailored high-quality solutions are supplied quickly and flexibly.

## FINNISH DESIGN & DURABILITY

The right kind of lighting contributes to the well-being of the employees, which is then directly reflected in the productivity and operations of the company. I-Valo is continuously developing its products in collaboration with its customers and co-operation partners - with over 50 years of experience.









## FOR EXTREMELY DEMANDING CONDITIONS

Hot and cold industrial buildings, such as dirty and dusty pulp and paper mills and steel plants, are extremely demanding locations from the point of view of lighting design. Process areas where the temperature constantly remains even in over +100°C or under -40°C fall squarely within the core competence areas of I-Valo.



**HOT**



**COLD**

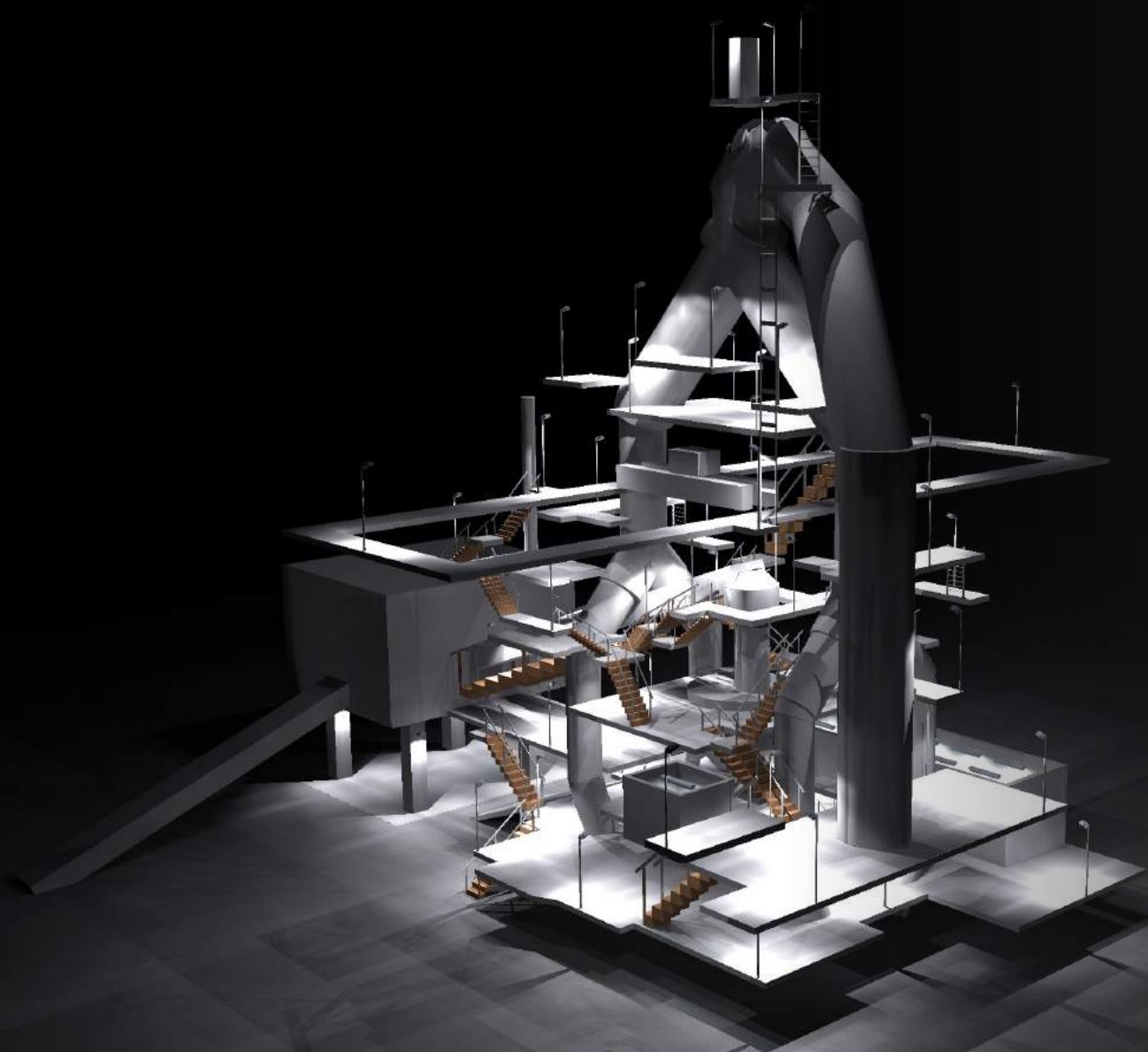


**DUST**



**DIRT**







## LIGHTING PLANNING

I-Valo provides lighting according to the needs and requirements of the area or process. Knowledge of the facilities and processes utilised in different sectors is the prerequisite for designing an optimal lighting solution. The personnel of I-Valo have extensive experience in carrying out demanding indoor and outdoor lighting design projects.

Professional lighting planning creates solutions with affordable life-cycle costs and low costs in energy, installation and maintenance. Luminaires are placed according to the needs of maintenance and use. I-Valo uses the independent DIALux lighting planning software. Dirt accumulation and the situation after the luminaire has been used for a year are taken into account in the lighting design.

# STUNNING LIGHT DESIGNS

Unique ideas as well as design and engineering aspects are an important part of I-Valo products. In addition to totally new designs, the existing proven solutions are kept up to date. The construction is developed to meet current quality requirements and standards in terms of functionality and design.







## SUPERIOR TECHNIQUES

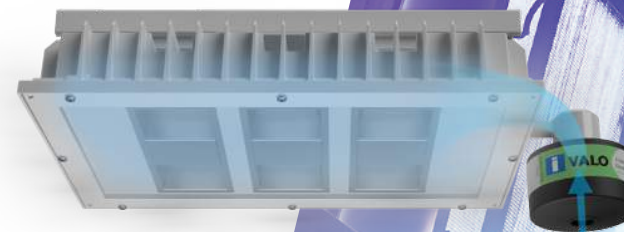
I-Valo's efficient and unique filtering technique keeps the inner parts of the luminaire clean and filters dirt and gas: the luminaire retains its luminosity even in demanding conditions. I-Valo products are designed by lighting experts, meeting the requirements of high energy efficiency, great functionality and tested reliability.

I-Valo's modern production technology enables various luminaire options and combinations, with the aid of which standard products can be tailored into unique and creative assemblies with competitive prices.

THE LUMINAIRE IS **TURNED ON**  
AND HEATS UP INSIDE.



THE LUMINAIRE IS **TURNED OFF**  
AND COOLS DOWN.







# CERTIFIED QUALITY FROM TOP TO BOTTOM

I-Valo has certified quality and environmental systems (ISO 9001:2015 and ISO 14001:2015). As a result, operations are consistent and of uniform quality. Customers can rely on the fact that the product is a safe solution, suitable for its purpose and will function reliably for years.

## TESTED COMPONENTS FROM RENOWNED MANUFACTURERS

All I-Valo luminaires are made from high-quality materials and tested components. Both functionality and air tightness are tested in order to ensure the controlled breathing of the luminaire, as well as the enclosure class (IP) of the luminaire. I-Valo guarantees the declared performance characteristics in extreme conditions.

I-Valo uses only components from renowned quality manufacturers. In component selection and procurement, we look for reliable partners.

**I-Valo always guarantees the performance values in the given ambient temperature range, including lumen output, product lifetime and wattage.**





## FLEXIBLE SOLUTIONS

The entire magic of production takes place in the modern premises of the Iittala lighting factory, from the aluminium raw material to the final product. This includes powder coating, assembly of premium components in clean-room conditions, state of the art testing and inspecting processes. All products can be tailored to meet different requirements, and every single product is tested and approved before shipping.



# CHALLENGE ACCEPTED

I-Valo passion. That's what we call finding lighting solutions for even the most difficult applications. I-Valo doesn't just deliver luminaires. We also guarantee that the illumination levels are maintained and that the products have a long lifespan. Feel free to challenge us - together we can find the best possible way to solve your lighting problems.



Pulp & paper and wood industry



Energy, bio and recycling industry



Metal industry



Infrastructure



Construction materials industry



ATEX area lighting



Mining and minerals industry



Area and outdoor lighting, parking garages



Food processing industry



Exit and security lighting



Sports and exercise facilities



Warehouses and logistics



## FIT FOR THE FUTURE

Along with energy-efficient lighting I-Valo provides long-term solutions. In order to support green thinking and minimising waste, the Fit for the Future concept was launched.

Typically LED luminaires are marketed as 'maintenance free' products, which could critically be perceived as 'disposable'. So once the luminaires reach the end of their life-cycle, they need to be replaced with new ones.

I-Valo wants to provide something else; I-Valo's Fit for the Future products can be upgraded to always reflect the latest LED technology. The luminaire body structure, which is still intact due to excellent mechanical quality, can be retained, and only the LED module with its driver is updated.

This possibility can also be utilised if repair is needed. Also, if needed, it is possible to change the closing cover, as often the harshest industrial conditions strain the cover over time.

I-Valo filters can be changed as spare parts as well. The filtering technique ensures that the luminaires' inner parts stay clean, which prolongs the product lifespan.

### **Replaceable**

- LED module
- Closing cover
- Filter



## I-VALO FACTORY IN FINLAND

Over  
**50 YEARS**  
of experience in  
industry lighting

Exporting in over  
**40**  
countries

**42**  
employees (2022)

Part of **FAGERHULT** Group

**12** brands in  
**28** countries

Head office in  
**SWEDEN**

**4,250**  
employees



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