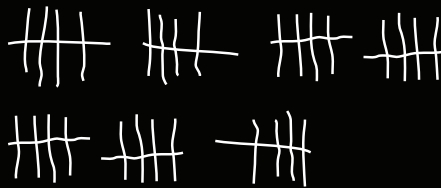


BlueLight® Hygienic System:
The new solution for reliable
surface disinfection of food
packaging.



**The Natural
Germ Killer.**



NobleLight

EXCELITAS
TECHNOLOGIES®

Time for germs to pack up.

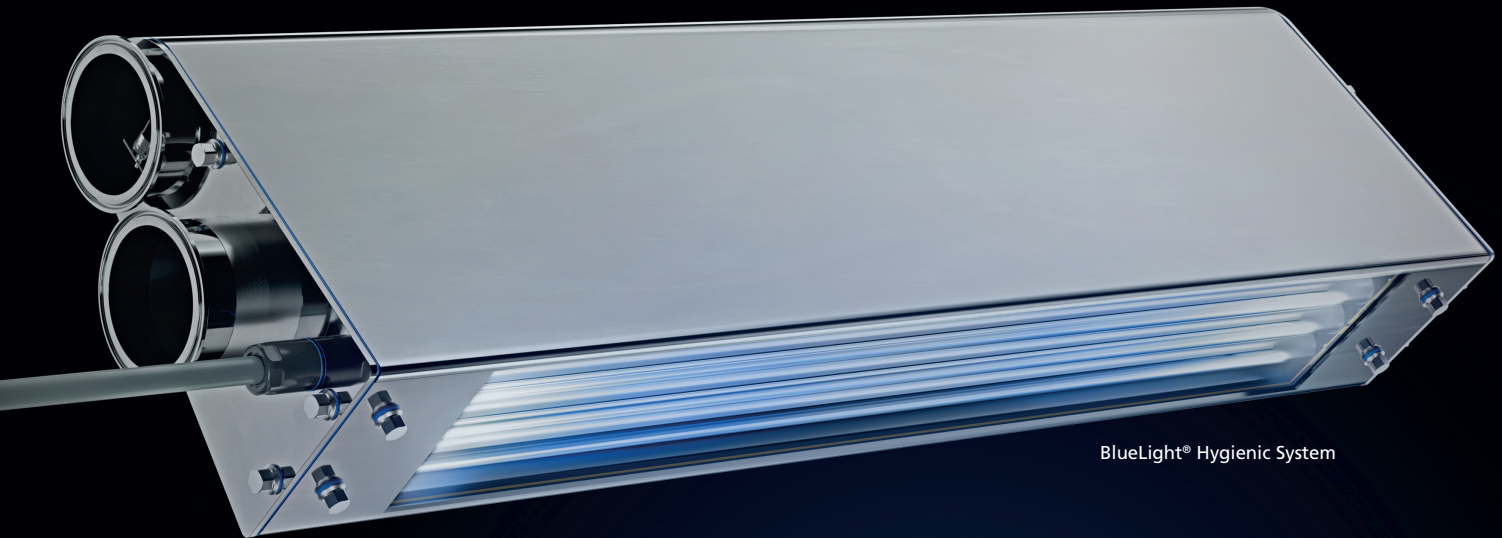
100 %
hygienic
UV!

The new solution for best surface disinfection of food packaging: The innovative BlueLight® Hygienic System exterminates germs and minimizes energy costs – with extraordinary reliability (LOG3 reduction) and energy savings of up to 90 % !

Other facts that scare germs and delight customers: high UV intensity, cold radiation, no water cooling and low investment costs of the industry 4.0 ready BlueLight® Hygienic System.

Bad news for germs !

The best of different worlds.



BlueLight® Hygienic System

With BlueLight® Hygienic System, you get the best out of different worlds. First, the smart hygienic design with its guaranteed high killing rate gives germs no chance: Microorganisms like bacteria, yeasts and molds are killed within seconds by intensive UV light.

But BlueLight® Hygienic System not only is a natural germ killer with a deadly accuracy to please the food industry – enabling you to develop new areas of business. It also has a significantly higher output than conventional low pressure lamp systems. And if you are comparing it to medium pressure lamp systems, you'll save an unbelievable amount of up to 90 % of energy with BlueLight® Hygienic System !

1 Your hygienic design advantages:

Simply turn on the light

From invention to prevention: Microbiologically sensitive bulk products, such as foodstuffs, demand hygienic packaging materials. To significantly extend the shelf life of products simply turn on the BlueLight® Hygienic System.

Guaranteed high killing rate:

The increased germ level reduction has the highest UV LP-intensity in the market. According to the tests of the renowned Fraunhofer Institute, Excelitas BlueLight® Hygienic System easily reaches LOG3 reduction and has an excellent efficiency fighting the reference germ *Apergillus brasiliensis*. The number of returns is substantially reduced, saving food manufacturers time and money.

No chance for germs: the smart hygienic design

of Excelitas BlueLight® Hygienic System makes products more hygienic and increases the quality level of your food products. Thanks to its innovative hygienic design it is easy to clean and ensures the required process safety.

Excelitas BlueLight® Hygienic System is not only designed according to the EHEDG guidelines created to enhance food safety, but also meets EU and US standards like DIN norms (ISO14159 / DIN EN 1672-2:).

2 Your low pressure lamp advantages:

Higher output

As good as it gets: The advanced lamp technology with its minimum waste of stray light, dimmable lamps and air cooling stands for an optimal use of energy and UV. The convincing result: a much higher output than before. Furthermore, the 5,000 hour lifetime of the UV bulbs results in low service and maintenance efforts.

3 Your medium pressure lamp advantages:

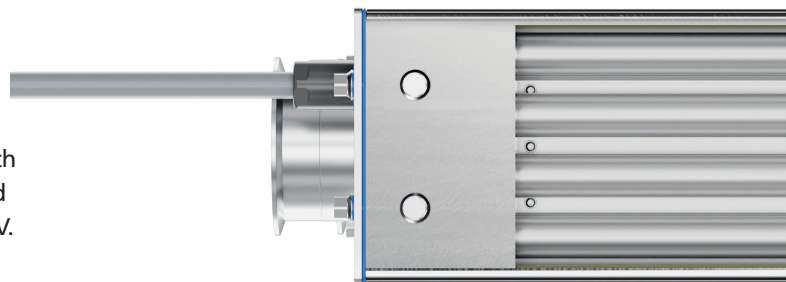
Energy savings of up to 90 %!

Due to the special lamp technology, Excelitas BlueLight® Hygienic System needs only 3 kW power compared to the 50 kW of alternative technologies like medium pressure or flash. This means an almost unbelievable energy saving of 90 % !

Sample calculation:

Machine run time: 3,500 h/year*
Energy costs: HBS = 1,260 €/year
(3 kW power) vs.
MP System = 21,000 €/year
(50 kW power)
Savings of energy costs per year: 19,740 €/year

(*two shift operation 0,12 €/kWh/3,500 h)



4 Your industry 4.0 advantages:

BlueLight® Hygienic System makes things easy for you
Excelitas BlueLight® Hygienic System is ready for **industry 4.0**. It can easily be installed into existing machines, due to its compact modules. The handy touch display at the control cabinet enables a smart maintenance and UV control. The exchange of the lamps could not be easier.

5 Your ecological advantages:

Green and clean

The smart UV system reduces waste, improves hygienic conditions and leads to a longer shelf life of food. Its superior efficiency, relatively cold radiation, easy-going maintenance and absence of chemicals or solvents result in a reduced CO₂ footprint. The IP 67 protection class ensures a safe and clean process under w

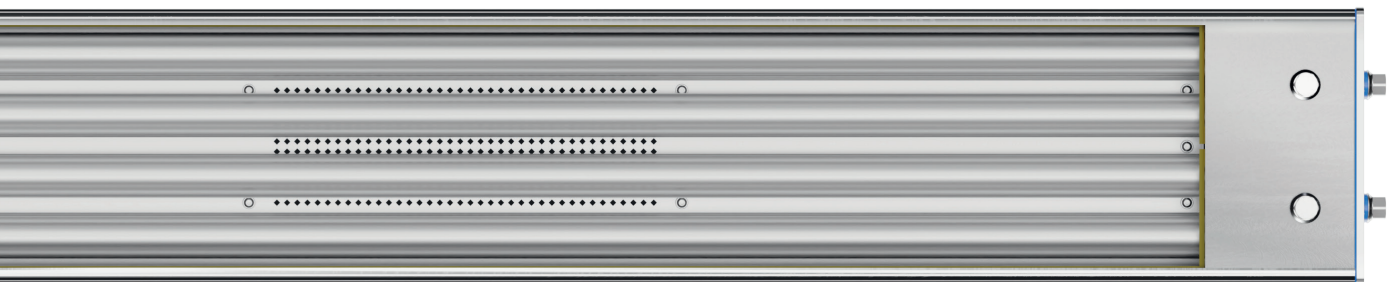
6 Your Excelitas advantage:

All you need from a single

Your strong and reliable partner provides everything you need to achieve tailor-made solutions, fascinate highly motivated staff easily and become reality.

We are UV.





BlueLight® Hygienic System

- UV module made of material and components according to hygienic standards for specific challenges
- Standardized flange for stainless steel pipe
- 1 air cooling module and 1 control module for easy maintenance and service
- 1 cable (5 m)
- Additionally:
 - Kit with extension cable (25 m)
 - Hoses (3 m)

The UV module

- UV module with 4 high power bulbs for very high UV intensity
- Large UV window with narrow frame
 - Compact design to place modules easily next to each other for homogenous radiation and challenging applications
- Hygienic design:
 - Sloped housing: no water or germ pool
 - Tri-clamp hose connections for standardized mechanical interface
 - Hygienic cable connectors and screws

Excelitas BlueLight® is different:

- The higher UV intensity, IP67 and its hygienic design are what differentiate it from other low pressure lamps
- The reduced CO₂ footprint, no water cooling, the high energy efficiency of 29 %, the cold radiation and low investment costs are what differentiate it from other medium pressure lamps
- The low investments costs are what differentiate it from flash systems
- No use of chemistry is what differentiates it from H₂O₂ systems
- Lower costs and higher UV efficiency are what differentiate it from LED systems
- The air cooled system for easier and better maintenance is what differentiates it from water cooled systems



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.

Contact us here:

Phone +44 1223 423324
hnl.customerservice@excelitas.com

Visit our website:
www.noblelight.com



www.excelitas.com

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

© 2022 Excelitas Technologies Corp. All rights reserved. Excelitas®, Excelitas Technologies® and the Excelitas logo and design are registered trademarks of Excelitas Technologies Corp. All other products and services are either trademarks or registered trademarks of their respective owners. Excelitas reserves the right to change this document at any time without notice and disclaims liability for editorial, pictorial or typographical errors.

Inhouse XNG UVP124 11/24

Stay Connected

