

A full-page background image showing a sunset or sunrise from an underwater perspective. The sun is a bright, glowing orb on the horizon, casting long, golden rays of light through the water. The water surface is visible as a wavy line, with small droplets and bubbles scattered throughout. The overall color palette is dominated by deep blues and vibrant oranges/yellows from the sun.

# WATERPROOF SOLUTIONS

LINEAR LED SYSTEMS

MARITIME INDUSTRY BROCHURE

**Döllken** Lighting





## HOLISTIC LED SOLUTIONS MADE IN GERMANY

Döllken Lighting develops, produces and sells highly resilient and flexible lighting solutions for marine and offshore applications. We stand for technological know-how, high quality materials and first-class service. Conductor films made in Germany, encapsulation using extrusion and individually assembled tapes.

As an innovative industrial company with over 30 years of experience in plastic extrusion, we are able to manufacture safe, resilient and intelligently designed systems for each industry. Our portfolio ranges from functional lighting to creative design lighting and all associated mounting and control components.

Sunreef 80  
Sunreef Yachts  
LinearColor Flex 8





## YACHTS

Aesthetics, class and success are not a matter of course, but the results of hard work and the interaction of the best ingredients. Our solutions for yachts meet precisely this requirement: they compliment the luxurious materials and first-class technical components of the finest modern vessels. We offer a complete range of products and services, from the design of unique light scenes to product selection for an individual, safe and almost invisible installation. With many years of experience in equipping individual luxury yachts and sophisticated series models, we are able to skillfully underline vessel exteriors and set clear differentiation points while making private retreat areas into favorite places. Support from our service technicians always ensures a smooth installation processes and flawless results.

Sunreef 80  
Sunreef Yachts  
LinearColor Flex 8





## CRUISE AND FERRY

Ambience, economy and safety are the decisive factors determining our products and services in the Cruise & Ferry field. Light has a significant influence on the well-being of passengers on board a ship, providing orientation and expanding the perception of spaces. Across the entirety of any investment, product selection also incorporates economic considerations. We ensure that target-price oriented development and appropriate installation and operating costs can be met without compromising reliability. Above all, our solutions contribute to a „Safe Return to Port“, providing critical visual cues for passenger safety.

Mein Schiff Series  
TUI Cruises  
MultiColor Flex 14



# NAVY AND SUPPORT VESSELS

Red lights are used throughout the maritime market, specifically as night lights. Using our specialized production methods, we designed a new generation of linear red night lights which can easily be used in both rough outdoor and cramped indoor areas. They can also combine high CRI white with functional red light in one product, reducing installation costs and saving precious space.

Using microbiologically resistant encapsulation material, our products are highly suitable for sensitive applications such as hospital vessels. Additional antibacterial coatings also enable use in operating or patient's rooms.

Understanding the needs and demands of certain areas is key in designing successful products. Our work does not end with meeting specific rules and regulations. We are developing new application areas for linear lighting products such as flexible red night light strips – highly IP and IK protected, easy to install and equipped with high quality electronics.

Where protecting people or land will be the main task to focus on, one must not be distracted. Our light systems function as orientation onboard and from outside the vessel and reliably help to ensure security for crew and passengers.



Our defence solutions are specifically designed for demanding projects on submarines, coastguard and naval vessels. Our current portfolio and technical capabilities include general lighting, red night lights and bespoke products. We work on sensitive projects with the highest level of confidentiality and professionalism as in all our areas of operation.





# APPLICATION AREAS

We draw from our experience across the wider marine industry to find intelligent solutions wherever an innovative approach is required. Our products can be used in wavelength-specific functional lighting, as indirect lighting for orientation purposes or in areas where conventional fixtures simply do not last long enough. With our expertise in developing individual mounting profiles, connection types and combining fragile electronics with highly resistant plastics, we work together with our customers to design systems that perform.



Lighting systems used in fish farms not only increase the growth rate of the stock but also support the health of the animals. Reduced stress and declining risk of infections are just two reasons to use our LED solutions here. With encapsulated strips and IP68 certified connections, permanent underwater use is entirely feasible.



Living on the water is an extraordinary experience itself – with the right lighting it is even more special. When individual design requirements meet high technical demands, we offer solutions to implement your ideas in a unique manner.



Combining the highest safety and resilience demands, airfield ground lighting is one of the toughest applications for lighting fixtures. We are exploiting our product and encapsulation experience to develop innovative new applications in this area.



With high protection grades as well as fuel and salt resistant encapsulation, Döllken Lighting products are chosen both indoors and outdoors in the oil and gas industry. Our R&D division and business engineers support our clients to solve sophisticated needs and adapt products to fit every demand.



## DESIGN & RE-DESIGN SUPPORT

Lighting products can play a significant role in the design of a ship. Where energy saving becomes increasingly relevant, only innovation can release the limits on customer experience in a new-build.

Our products are also versatile enough to integrate into existing environments. Re-equipping with the latest lighting technology can bring great results, enhancing user experiences and adapting existing spaces to new design requirements.

With our innovative LED solutions, we offer efficient and durable products that are perfectly matched to the requirements of the marine industry, be it indoors or outdoors, whether on a newly built ship or one that has been re-designed.

Our LED strips are highly flexible. The shape of the strips is based on the form of the yacht, framed in a continuous mounting profile.

Our products are not only suitable for outdoor applications but also for interior lighting. Even indoors, LED strips are confronted with dust, chemicals and mechanical influences so our IP- and IK-certificated solutions are the best choice.



There are many possible applications for our LED solutions on board a ship: Be it functional lighting for stairs or pathways, or the subtle illumination of the pool or other public areas.

Since 2016, our LED strips accentuate most of the vessels in TUI Cruises *Mein Schiff* fleet as well as ships of various other operators such as Color Line or Hurtigruten. Working as orientation and ambient lighting, the products generate a recognition factor of these cruise ships from far away.

The illumination of stairs is not only a question of safety but also an eye-catcher for the passengers of the yacht. Elegant lighting creates a unique atmosphere.





## OUR PRODUCTS

We produce high-quality LED strips which are perfectly suited for your vessel – simultaneously flexible and robust, resistant to water, mechanical impact as well as salt, fuel and chemicals. Completely manufactured in Germany, we deliver a product tailor-made for your requests and needs.

### COREFLEX 14

Completely encased in transparent TPU material, our CoreFlex provides accents, particularly in indirect applications. IP68 and IK08 protection ensures that it withstands even the most adverse environmental conditions and external influences.

sleek design for  
space saving indirect  
applications

### MULTICOLOR FLEX 14

The MultiColor Flex 14 is encased in white or coloured TPU material. Its low profile still provides it with a visible pitch, and it is therefore particularly suited for indirect lighting installations where the conductor film should not be visible.

countless coloured  
variants

### LINEARCOLOR FLEX 8

With its sleek shape and completely homogenous and diffuse luminous output, the LinearColor Flex 8 is the right choice for direct lighting in design-sensitive installations. Because of its design, it is highly flexible along its horizontal axis, while also enabling vertical radii in excess of 1000 mm.

### IP68 SOLUTION – NOT ONLY A PRODUCT, BUT A SYSTEM

Our products are individually assembled based on their intended application. Our patented connector tools enable us to manufacture IP68-certified connectors and hence guarantee secure all-round protection. On-site tasks such as cutting, welding and additional castings are done away with.

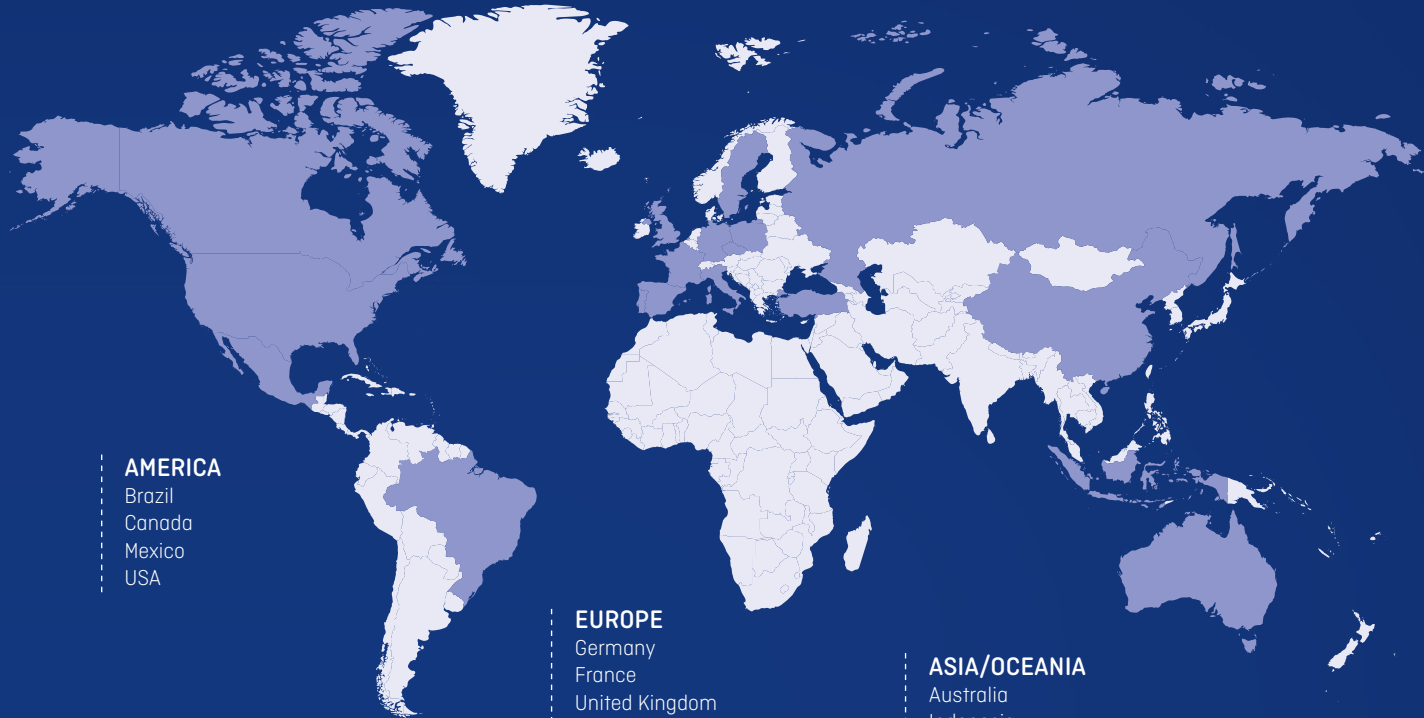
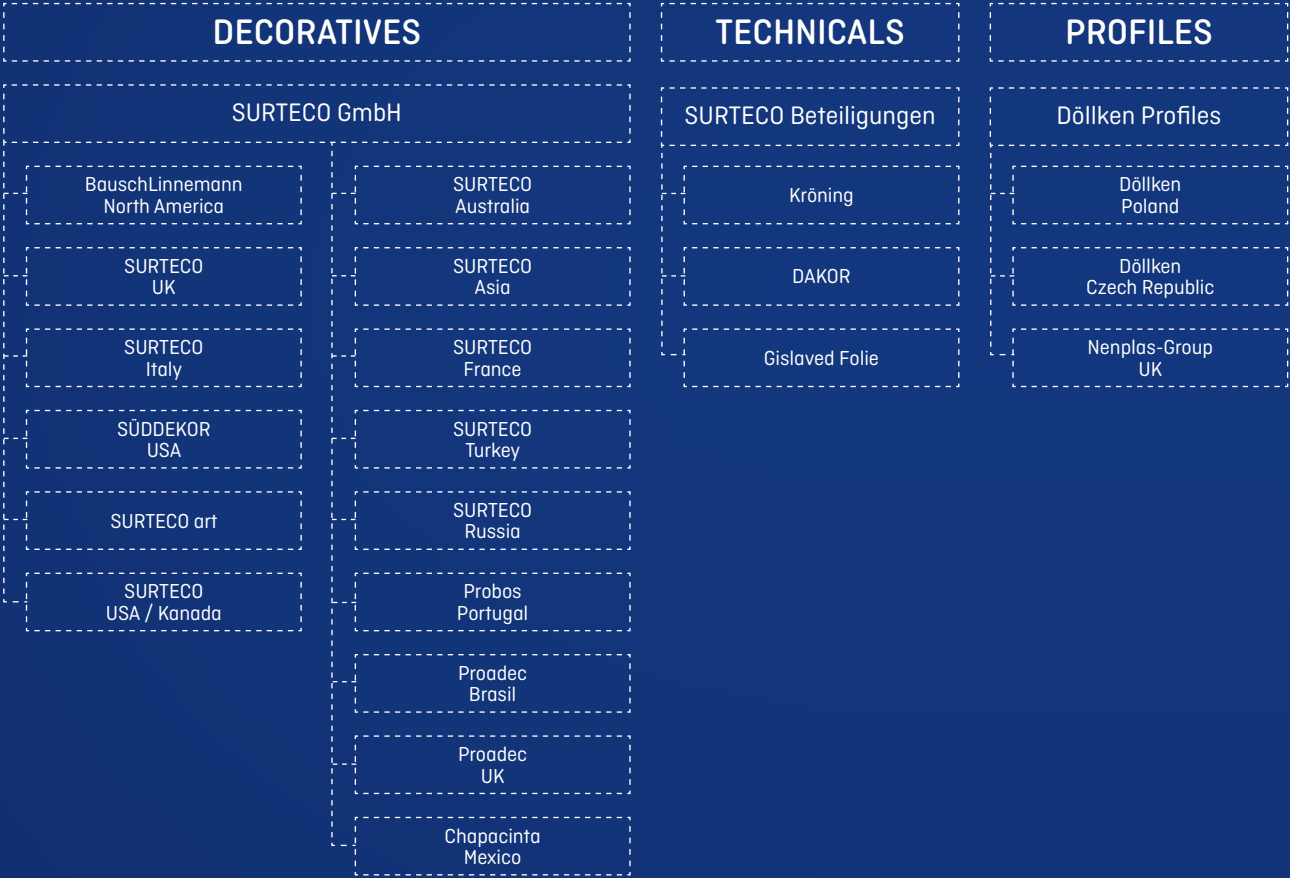
diffuse light output



# SURTECO GROUP SE

## – FACTS AND FIGURES

We are a proud member of the SURTECO GROUP family, a holding company of mutually complementary entities operating world-wide to ensure fast customer support everywhere.





# SURTECO GROUP SE

## – BUSINESS UNITS & PRODUCTS

Group operations management is based on a cross-product sector approach. The DECORATIVES Division offers a holistic approach for wood-based and furniture industries while the PROFILES Division, with its skirtings and technical plastic profiles, concentrates on the interior decoration sector. Companies for individual special applications are grouped in the TECHNICALS Division.

Our product portfolio includes various applications within the maritime sector, such as linear lighting, technical and decorative profiles, cabin wall panel and furniture foils as well as decorative papers and roller shutter systems.

DECORATIVES	TECHNICALS	PROFILES
Edgebandings based on paper and plastic	Impregnated products	Skirtings
Finish foils based on paper	Plastic foils	Technical extrusions
Decorative printing	Hybrid and genuine metal foils	LED strips
Release papers		

Cabin wall panels



LED skirtings



Decorative papers



LED strips



Fire-retardant foils





# Döllken Lighting

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