

LED LIGHTING

PREMIUM SYSTEMS



SILBERSONNE

LED SYSTEM

SILBERSONNE was founded in 2007 with a clear vision to replace conventional lighting systems with a superior quality, efficient, LED technology that does not sacrifice light quality or power output. As of today they have successfully implemented their LED systems across the Globe, achieving energy savings of over 50% for their clients.

Always at the cutting edge of the industry, **SILBERSONNE** is constantly working on the R&D of its products, from their inception to incorporating the latest technological innovations and advances into all its manufacturing processes and product testing. This involvement allows them to offer products of the highest quality; that not only meets customer's requirements but also achieves Global Quality Standards CE, TÜV and RoHS.



ZOOM

CONSTRUCTION SOLUTIONS

ZOOM ENTERPRISES Zoom is a global organization trading within 4 unique business areas, Zoom Technology, Zoom Construction Solutions, Zoom INC and Zoom Leisure. Zoom's success has been built on their talented and highly experienced team, as well as their long-standing partnerships with vendors and clients. With their head office in Dubai and further offices and representation in 9 countries worldwide, Zoom is able to offer its clients the highest quality products and services at the best price.

ZOOM CONSTRUCTION SOLUTIONS is a subsidiary of Zoom Enterprises. With over 30 years experience in LED lighting, flooring and construction, they have full representation across the globe. Zoom Construction Solutions is the perfect partner to commercial and

hospitality industries, and now has partnered with SilberSonne to provide LED lighting solutions, perfect for hospitals, restaurants, schools/universities, airports, shopping malls, supermarkets, factories, offices and many more. Zoom Construction Solutions has the capability to distribute globally to customers; its experienced team can help advise clients on their LED lighting projects.

PROPERTIES	INCANDESCENT	COMPACT FLUORESCENT	LED
WATTS PER BULB	60	14	8
LIFESPAN OF EACH BULB	1,200 HOURS	10,000 HOURS	20,000 – 40,000 HOURS
AMOUNT OF ELECTRICITY IN 50,000H	3,000 KWH	700 KWH	400 KWH
CONTAINS TOXIC MERCURY	NO	✓	NO
COLOUR RENDERING INDEX (CRI)	>60	>60	70 – 80
GLOBAL STANDARDS	NO	NO	NO
CARBON DIOXIDE EMISSIONS	2041 KG	477 KG	250 KG
HEAT EMITTED	85 BTU/HOUR	30 BTU/HOUR	3,4 BTU/HOUR
LIGHTING EFFICIENCY	10 LM/W	60 LM/W	90 – 120LM/W
ON/OFF CYCLING DEGRADATION	SOME	✓	NO
AFFECTED BY EXTREME TEMPERATURES	HIGH	✓	NONE
AFFECTED BY HUMIDITY	SOME	✓	NONE

SILBERSONNE
6
50,000 HOURS
300 KWH
NO
>80
✓
205 KG
3,4 BTU/HOUR
>120LM/W
NO
NONE
NONE

WHY

SILBERSONNE LED LIGHTING

SilberSonne LED lights are innovators in energy efficient lighting. LED stands for 'Light Emitting Diode', a semiconductor device that converts electricity into light.

LED lights have many advantages over conventional lighting devices like incandescent, halogen bulbs and fluorescent tubes. SilberSonne products demonstrate LED lighting technology at its very best:

LOWER CONSUMPTION The high efficiency of LED technology can light the same space with a much lower consumption than traditional lighting. Compared with SilberSonne LED lighting, the reductions range from 65% for the fluorescent, to over 80% for halogen and incandescent and 50% for low consumption.

LONGER LIFESPAN The average life of an LED lamp is around 40,000 hours compared to 1,200 hours of an incandescent bulb or 10,000 hours of a fluorescent. SilberSonne LED lights reach 50,000 hours lifespan.

PRODUCT DESIGN SilberSonne is constantly working on the R&D of their LED products to meet the continual changes of the LED lighting market. Their innovative products and solutions continue to exceed the needs and requirements of their customers.

HIGH STANDARDS SilberSonne LED products are designed according to the highest standards of quality and are meticulously controlled and certified by CE, TÜV, RoHS, SAA, DLC and ETL.

CONTINUOUS GROWTH The high quality of SilberSonne LED products and competitive position ensures they maintain a constant and advantageous upward trend.

RELIABLE INVESTMENT Switching to SilberSonne LED lighting ensures a greater return on a client's investment, making LED lighting the definitive choice.

EXTENSIVE GUARANTEE SilberSonne is so confident in the quality of their products that they offer a guarantee of up to 5 year on manufacturing and material malfunctions.



HOTEL LIGHTING

ENDLESS POSSIBILITIES



HOTEL LIGHTING SOLUTIONS

The hospitality industry is one of the sectors with the largest energy savings potential. With the amount of burning hours that light sources are used for and the huge spaces that need to be lit, it is easy to understand why changing to LED lighting uses up to 90% of less energy, making considerable cost savings for hotels.

Lighting is also a key aesthetic to transform a room or a restaurant into a place where the guests feel relaxed and like a home from home. SilberSonne offers an extensive range of efficient, customizable and high-performance luminaires for dynamically illuminating guest rooms, dining rooms, hotel lobbies, casinos, museums, kitchens, laundries, or any other hospitality spaces.

AREA	INCANDESCENT	HALOGEN SPOT	SILBERSONNE
EFFICIENCY >100LM/W			✓
+ 5 YEARS LIFESPAN			✓
DIMMABLE AND AUTOMATION POSSIBILITIES		✓	✓
REGULATION COLOUR TEMPERATURE			✓
WATERPROOF			✓
FIRE RATED			✓
EMERGENCY OPTIONS			✓
CREATE AMBIANCES			✓
ANTI GLARE SOLUTIONS			✓
CRI >80		✓	✓
SAVINGS ON MAINTENANCE			✓

RETAIL LIGHTING

CREATING AMBIANCES



RETAIL LIGHTING SOLUTIONS

Optimum lighting is essential in retail environments. Well-designed lighting solutions enhance the look of the merchandise, leading to increased sales and saving energy. Flexible, efficient, high-quality light, powered by enabling technologies can help stores to effectively profile their products to maximize the customers shopping experience.

SilberSonne's versatile retail lighting solutions create warm and welcoming atmospheres, as well as an environmentally friendly ambience.

AREA	HALOGEN SPOT	COMPACT FLUORESCENT	SILBERSONNE
EFFICIENCY >100LM/W		✓	✓
+ 5 YEARS LIFESPAN			✓
REDUCED ENERGY COSTS			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓	✓	✓
REGULATION COLOUR TEMPERATURE			✓
SMART LIGHTING COMPATIBLE			✓
ULTRA SLIM SOLUTIONS			✓
DIRECTIONAL LIGHT FLOW			✓
FIRE RATED			✓
EMERGENCY OPTIONS			✓
CRI >80	✓		✓
SAVINGS ON MAINTENANCE			✓

DRESSER LIGHT

INSPIRING CUSTOMERS



DRESSER LIGHT SOLUTIONS

Changing rooms that create an inviting atmosphere, help make customers feel comfortable within the store. Studies show that 60% of buying decisions are made inside the fitting room. The right lighting can change the intention of a shopper, by providing a flattering light it makes customers look and feel good, helping influence their buying behaviour.

SilberSonne's high quality Dresser-Light solutions help flatter customers and the garments they are trying on. High quality lighting with a high colour rendering index is recommended, as it provides form and texture to merchandise. It also makes colours appear natural and realistic. The right colour temperature will maximize the appearance of the garment and show shoppers what the garment looks like under different lighting conditions.

AREA	HALOGEN SPOT	FLUORESCENT	SILBERSONNE
EFFICIENCY >100LM/W		✓	✓
+ 5 YEARS LIFESPAN			✓
POWER FACTOR >0,9			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓	✓	✓
REGULATION COLOUR TEMPERATURE			✓
FLICKER-FREE			✓
EASY TO INSTALL	✓	✓	✓
CREATING PRE-DEFINE AMBIANCES			✓
NATURAL LIGHT SIMULATION			✓
HIGH COLOUR RENDERING CRI >80	✓		✓
SAVING ON MAINTENANCE			✓

OFFICE LIGHTING

PROVIDING SOLUTIONS



OFFICE LIGHTING SOLUTIONS

Creating a comfortable working environment is key for many businesses. Installing the right lighting solutions helps increase employee productivity and their overall well-being.

SilberSonne's modern lighting solutions satisfy these demanding environments by creating the perfect conditions for the relevant visual tasks. The combination of natural daylight, artificial light and light management systems provides optimal lighting and a specially adapted light control system maximizes energy efficiency.

AREA	HALOGEN SPOT	FLUORESCENT	SILBERSONNE
EFFICIENCY >100LM/W			✓
+ 5 YEARS LIFESPAN			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓	✓	✓
REGULATION COLOUR TEMPERATURE			✓
SMART LIGHTING COMPATIBLE			✓
ROTATIVE END CAP SOLUTIONS			✓
FLICKER-FREE			✓
ANTI GLARE SOLUTIONS			✓
ULTRA SLIM SOLUTIONS			✓
FIRE RATED			✓
EMERGENCY OPTIONS		✓	✓
CRI >80			✓
SAVINGS ON MAINTENANCE			✓

INDUSTRIAL LIGHTING

EFFICIENCY & AUTOMATION



INDUSTRIAL LIGHTING SOLUTIONS

High, hard-to-reach ceilings, expansive spaces, hot or cold temperatures, long operating hours and unique building characteristics can create lighting challenges and inefficiencies. That is why so many industrial Facilities Managers turn to SilberSonne for customized LED lighting solutions that maximize savings and improve performance throughout their facilities.

SilberSonne offers a comprehensive range of affordable and reliable products, not only for industrial areas but also for non-visible areas like corridors, kitchens, rest rooms and other service areas. LED lighting from SilberSonne saves maintenance time and energy over conventional HID and fluorescent lighting systems.

AREA	METAL HALIDE	SODIUM VAPOUR	SILBERSONNE
EFFICIENCY >100LM/W		✓	✓
+ 5 YEARS LIFESPAN			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓		✓
SMART LIGHTING COMPATIBLE			✓
ROTATIVE END CAP SOLUTIONS			✓
OPERATIONAL IN EXTREME TEMPERATURES			✓
TURNS ON INSTANTLY			✓
WATERPROOF			✓
DUST PROOF			✓
EMERGENCY OPTIONS		✓	✓
CRI >80			✓
SAVINGS ON MAINTENANCE			✓

SPORT FACILITIES

ENHANCING EXPERIENCES



SPORT FACILITIES SOLUTIONS

Optimum lighting solutions for sports activities can transform a simple sports complex into a wellness centre.

In terms of efficiency at a sports complex, lighting ranks third in energy expenditure, after air conditioning systems and hot water. Lighting accounts for 15% of the total energy consumed in this kind of facility. Improvements in energy efficiency mean considerable cost savings and, if the replacement contributes to optimizing the quality of light, the change will be definitive. This combination is infallibly accomplished by SilberSonne LED systems.

AREA	METAL HALDE	SODIUM VAPOUR	SILBERSONNE
EFFICIENCY >100LM/W		✓	✓
+ 5 YEARS LIFESPAN			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓		✓
FLICKER-FREE			✓
OPERATIONAL IN EXTREME TEMPERATURES			✓
COMPACT SOLUTIONS			✓
MULTIPLE LIGHT ANGLES			✓
WATERPROOF			✓
DUST PROOF			✓
EMERGENCY OPTIONS		✓	✓
CRI >80			✓
SAVINGS ON MAINTENANCE			✓

CAR PARK LIGHTING

SAFETY & VISIBILITY



CAR PARK LIGHTING SOLUTIONS

Well-lit car parking spaces create a safer environment for the public. With many car parks operating 24/7 they offer significant opportunities for energy cost savings and long life maintenance cycles through LED lighting upgrades.

With the ability to deliver the right amount of light when and where it's needed, SilberSonne's lighting saves energy whilst keeping people safe, reducing shadows and eliminating dark corners. In addition to providing high-quality light LEDs offer a long life, meaning you will change lamps less often, reducing maintenance costs.

AREA	METAL HALDE	FLUORESCENT	SILBERSONNE
EFFICIENCY >100LM/W		✓	✓
+ 5 YEARS LIFESPAN			✓
REDUCED ENERGY COSTS			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓	✓	✓
FLICKER-FREE			✓
SMART LIGHTING COMPATIBLE			✓
OPERATIONAL IN EXTREME TEMPERATURES			✓
WATERPROOF			✓
DUST PROOF			✓
EMERGENCY OPTIONS		✓	✓
CRI >80			✓
SAVINGS ON MAINTENANCE			✓

EXTERNAL LIGHTING

GREATER PROTECTION



EXTERNAL LIGHTING SOLUTIONS

External LED lighting is fundamental for helping to enhance quality of life and improve infrastructure in an efficient and cost-effective manner. SilberSonne's fixtures enhance illumination on streets, as well as buildings, squares and stores during the night. They also provide savings through increased energy efficiency, decreased maintenance needs and longer lifetimes.

By delivering the right level of lighting when its needed, streets become safer by bringing previously dark corners to life.

AREA	METAL HALIDE	SODIUM VAPOUR	SILBERSONNE
EFFICIENCY >100LM/W		✓	✓
+ 5 YEARS LIFESPAN			✓
POWER FACTOR >0,9			✓
DIMMABLE AND AUTOMATION POSSIBILITIES	✓		✓
SMART LIGHTING COMPATIBLE			✓
OPERATIONAL IN EXTREME TEMPERATURES			✓
COMPACT SOLUTION			✓
SURGE PROTECTION			✓
WATERPROOF			✓
DUST PROOF			✓
CRI >80			✓
SAVINGS ON MAINTENANCE			✓

OTHER SERVICES FROM ZCS

PLEXICOAT MMA resin is a hard wearing, durable, flexible, 100% seamless hygienic flooring system that can be used on walls as well as floors, giving a full hygienic, seamless room with no joints.

With Zoom's joint venture with Plexicoat MMA and Corrotech, Zoom can offer clients over 400 different flooring products worldwide. With over 350 employees and its own research and development laboratories, Zoom's joint venture has the capabilities to deliver bespoke flooring solutions from large-scale projects to smaller projects. MMA is stronger than concrete, flexible and comes in 160 different colours. Zoom can even blend different colours to match existing ones.

MMA flooring's performance against Epoxy and Polyurethane is unrivaled, Zoom is so confident in their flooring that they offer up to a 20 year guarantee on every floor they lay. Plexicoat MMA flooring is fully dried and cured within one hour, reducing disruption to the flooring area.

Zoom's MMA hygienic flooring is the perfect solution for hotels as it is hard-wearing and versatile. It can be typically used in reception areas, corridors, back of house, kitchens, swimming pool areas, car parks and loading bays, restaurant areas, walls, toilet/changing room areas, laundry room areas, freezers and chillers and plant rooms.

PLEXICOAT

PROPERTIES	PLEXICOAT MMA RESIN	EPOXY RESIN	POLYURETHANE RESIN
WALK ON FLOORS	15 MINUTES	24 HOURS	24 HOURS
DRY FLOOR	1 HOURS	3 DAYS	3 DAYS
CURED FLOOR	1 HOURS	12 – 24 DAYS	12 – 24 DAYS
GO OVER FAILED TILED OR RESIN FLOORS	YES, WILL BOND TO CERAMIC, MARBLE, ECT.	NO BOND	NO BOND
CHEMICAL RESISTANCE FOOD ACIDS	EXCELLENT RESISTANCE	VERY POOR	POOR
CHEMICAL RESISTANCE TO ORGANIC ACIDS	EXCELLENT RESISTANCE	POOR RESISTANCE	POOR RESISTANCE
BOND TO STAINLESS STEEL	EXCELLENT BOND	POOR NO BOND	POOR NO BOND
FLEXIBLE PROPERTIES	HIGH FLEXIBILITY	NO FLEXIBILITY	REASONABLE FLEXIBILITY
LOW TEMPERATURE (35°)	EXCELLENT IN FREEZERS	VERY POOR	POOR
SENSITIVE TO MOISTURE	EXCELLENT TO MOISTURE	REASONABLE TO MOISTURE	VERY POOR TO MOISTURE
THICKNESS	1,5 MM – 4 MM	5 MM – 10 MM	4 MM – 9 MM
100% SEAMLESS FLOOR	100% SEAMLESS	WILL CRACK NO FLEXIBILITY	PIN HOLES DUE TO GAS
WEATHER UV RESISTANCE	EXCELLENT	REASONABLE	OKAY
MUNICIPALITY APPROVED	YES COMPLIES	?	?
GUARANTEE'S	UP TO 20 YEARS	PRODUCT ONLY?	PRODUCT ONLY?

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