



PLDlight®

LIGHT
PAPER
02

PLDlight®

Materials and
their finishes
are our passion

Every step we take is characterized by a deep dedication that goes far beyond the mere technical process. Our work is a combination of precision, experience and an unwavering passion for what we do. With the finest craftsmanship, we give materials an extraordinary beauty that is unique in its perfection and authenticity.

We only use materials of the highest quality, carefully selected with the knowledge of their origin and their special properties. Our raw materials are treated with the greatest responsibility and care, because their origin is just as important to us as their processing. Every step is the result of decades of experience and unrelenting attention to detail.

Handcraft is at the heart of our work. It combines traditional techniques with state-of-the-art know-how to create surfaces that not only meet the highest standards, but also emphasize the unmistakable individuality of each individual product. The result is not just a product – it is a masterpiece that stands the test of time and embodies the values of quality and authenticity.

With every production, we bring the soul of the material to life, creating objects that are not only functional, but also an unmistakable statement of personality. Our work is a sign of quality that can be felt and seen – in every detail, in every surface, in every product.



MATERIALS

Materials are an emotional decision.
They have their own language and influence
the perception of objects and surroundings.

BRASS



Brass is a preferred material in luminaire construction due to its high-quality appearance, excellent corrosion resistance and versatility. It combines functionality with elegance and is suitable for use in modern as well as classic designs.



ELEGANT OPTICS

Brass has a warm, golden color that gives a luxurious and timeless aesthetic. It is ideal for classic, modern and decorative luminaire designs.

HIGH STABILITY

Brass offers an excellent combination of strength and robustness. It is stable enough to ensure long-lasting luminaire structures.

TRADITIONAL LOOK AND FEEL

Brass is often associated with traditional craftsmanship and high-quality workmanship. This makes it the preferred choice for vintage or retro luminaires and antique designs.

VIBRANT MATERIAL

Brass changes over time, develops a patina and therefore tells its own story. This living surface makes it so unique and gives it a timeless elegance.

EXCELLENT MOLDABILITY

Brass is easy to machine, whether by turning, milling, casting, or forging. This allows for the creation of complex and detailed designs.

GOOD THERMAL CONDUCTIVITY

Like aluminum, brass also conducts heat well. This is particularly advantageous for luminaires that need to dissipate heat from LEDs.

DURABILITY

Due to its high resistance and robustness, brass is a very durable material that retains its quality even after many years.

RECYCLABILITY

Like aluminum, brass is fully recyclable and can be reused without any loss of quality, making it a sustainable choice.





ALUMINIUM

Aluminum combines technical, aesthetic and ecological benefits that make it a preferred material in luminaire construction, especially for modern and energy-efficient designs.



AESTHETIC DESIGN

Aluminum offers a modern, elegant look and can be easily machined to create complex and appealing designs. It can be polished, anodized or coated to achieve different finishes and colors.

CORROSION RESISTANCE

Thanks to its natural oxide layer, aluminum is very resistant to corrosion. This is particularly advantageous for luminaires for outdoor use or damp environments such as bathrooms.

HIGH STABILITY WITH LOW WEIGHT

Aluminum is robust enough to provide structural stability without adding unnecessary weight. This is particularly advantageous for large or delicate luminaire designs.

EXCELLENT MOLDABILITY

Aluminum is easy to shape and can be processed using various methods such as casting, punching, milling or extrusion. This allows versatile and individual luminaire shapes to be produced.

HIGH THERMAL CONDUCTIVITY

Aluminum conducts heat very well, which makes it ideal for use in LED lights. It helps to efficiently dissipate the heat generated, thereby extending the service life of the LEDs.

RECYCLABILITY

Aluminum is almost completely recyclable and retains its properties. This makes it an environmentally friendly choice for luminaire construction.

STAINLESS STEEL



Stainless steel combines robustness, durability and high-quality aesthetics with outstanding material properties such as corrosion and heat resistance. These properties make it a first-class choice for indoor and outdoor luminaires as well as for demanding applications.



HIGH CORROSION RESISTANCE

Stainless steel is extremely resistant to rust, moisture and aggressive environmental influences. This makes it ideal for luminaires outdoors, in damp rooms or in maritime environments.

VERSATILE SURFACE FINISHING

Stainless steel can be polished, matt-finished, brushed or coated, which opens up a wide range of design options. This allows adaptation to different aesthetic requirements.

TIMELESS AESTHETICS

The shiny, modern surface of stainless steel gives lights an elegant and high-quality appearance. The look of the material suits minimalist as well as industrial designs.

ROBUSTNESS AND STABILITY

Stainless steel offers high strength and is resistant to mechanical stress. This makes stainless steel luminaires suitable for demanding applications, such as in industrial plants or public areas.

DURABILITY

Stainless steel is an extremely durable material that retains its properties and appearance for years, even under adverse conditions.

RECYCLABILITY

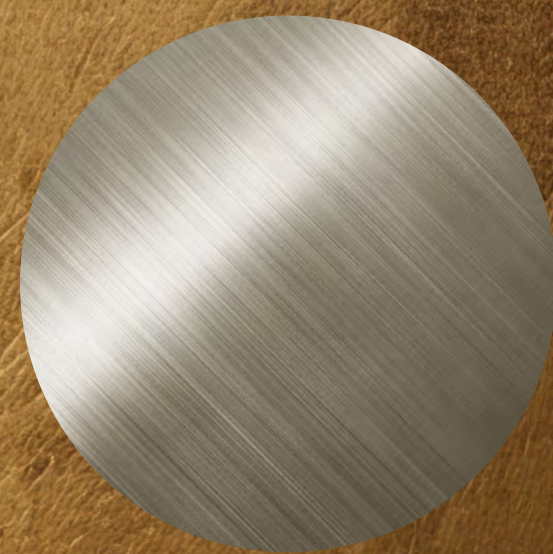
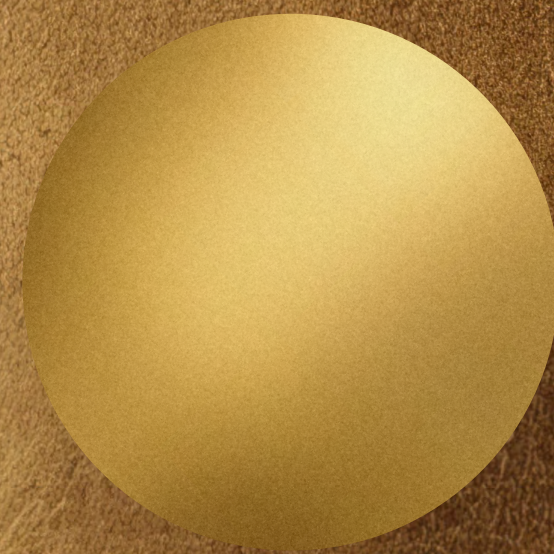
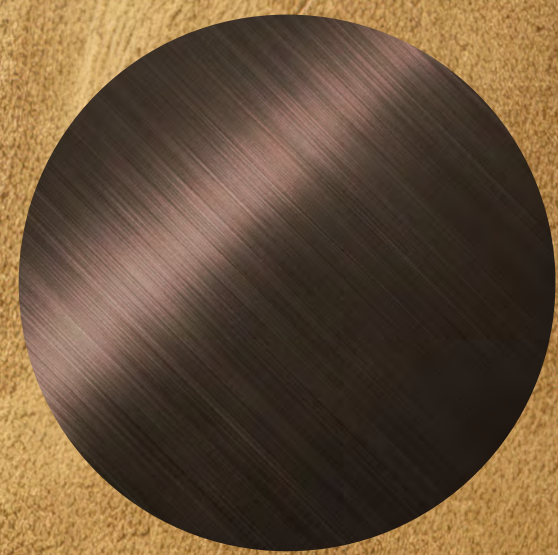
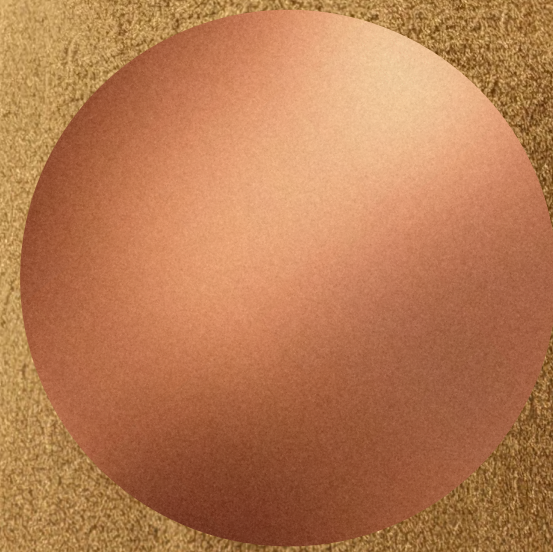
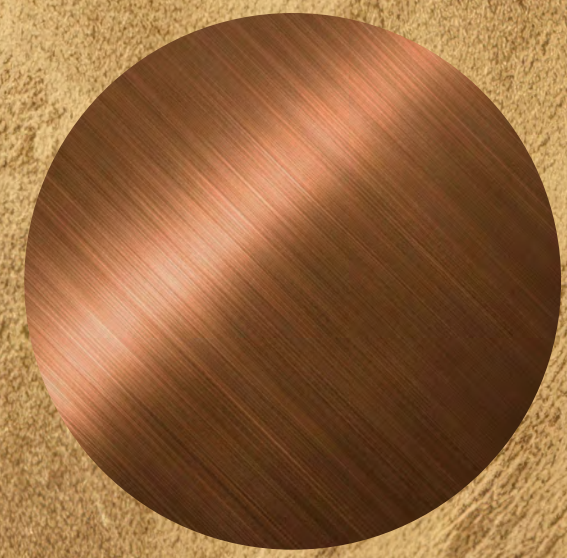
Stainless steel is fully recyclable and therefore an environmentally friendly choice of material for luminaire construction.



SURFACES



The design of surfaces is the
fine art of material refinement.



Electroplating brass represents the highest level of finishing. This demanding process requires precise expertise and craftsmanship to ensure a high-quality, uniform coating, making electroplating a true masterclass in metal finishing.



Explore a wider selection and the latest color options on our website.

BRASS PLATED



Electroplating is a surface finishing process, popular for certain architectural finishes, in which a metal is coated with a thin layer of another metal. Two main methods are used:

electroplating and electroless plating, both using different principles but pursuing the same goal – to improve the properties of the base material by applying a layer of metal.





In addition to our special editions, we refine our lights entirely according to your personal ideas. In this way, you not only receive a unique luminaire, but also your very own individual design – a truly unique piece that fits perfectly into your interior and matches your personal style.



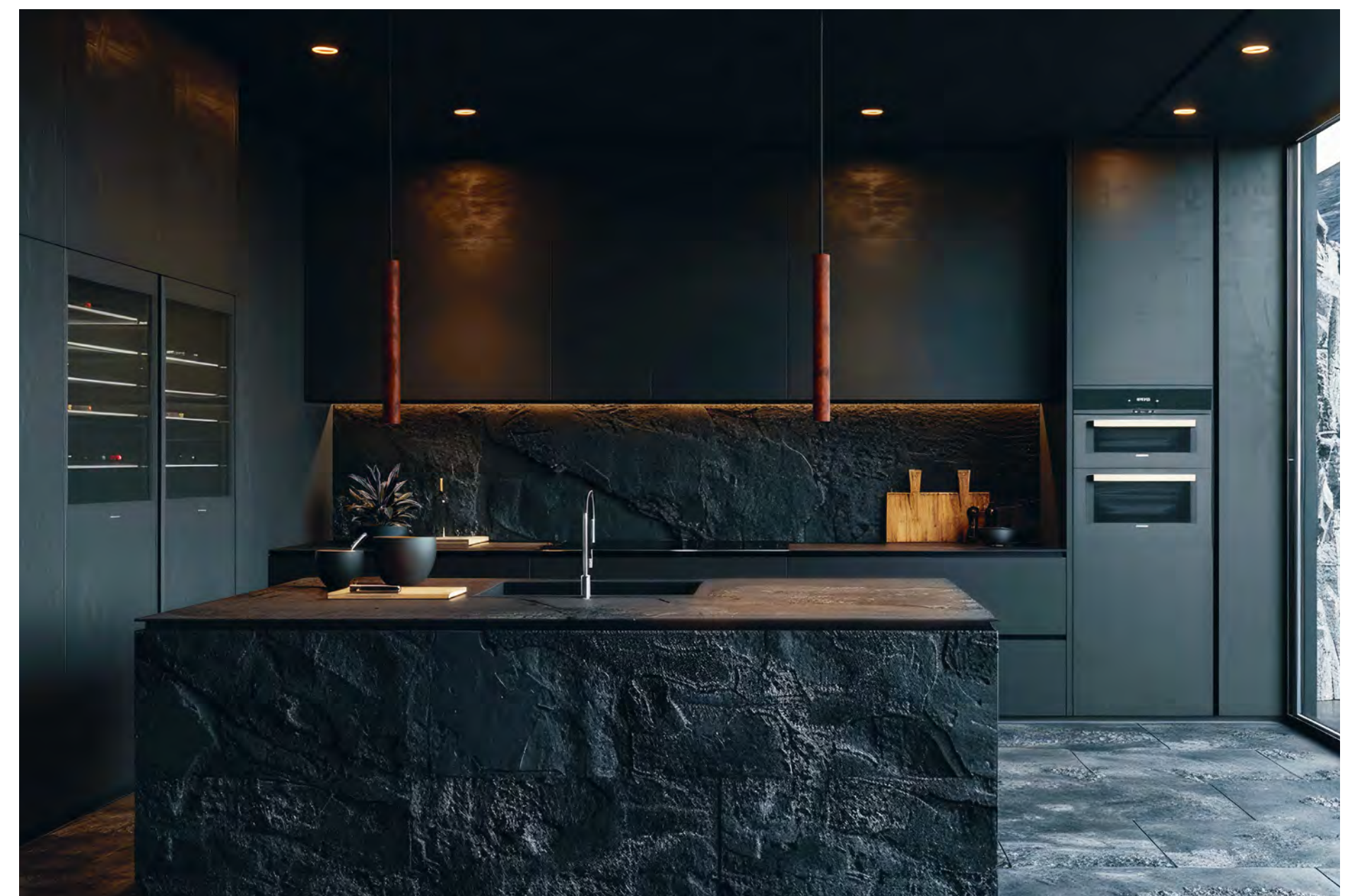
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LIQUID METAL



The liquid metal coating is an innovative technology for the high-quality finishing of surfaces with a thin layer of real metal. This opens up new design possibilities and provides an exclusive, elegant finish. A particular advantage of this technology is the ability to create even coarse structures by hand with high precision. This creates

unique surfaces with an impressive level of detail and feel. Thanks to its high flexibility and excellent corrosion protection, liquid metal coating is particularly valued in yacht building. It not only offers aesthetic benefits, but also protects against the demanding conditions of the maritime environment.



We use a precisely coordinated combination of glass bead blasting, a special stain and the anodizing process for our anodized products. The result is an elegant, velvety soft and matt surface. The aluminum we use is specially produced for us to ensure this standard of quality.



Explore a wider selection and the latest color options on our website.

ALUMINIUM AA ANODISED

Anodizing is an innovative and versatile process that enhances aluminium surfaces visually as well as functionally.

The anodic oxide layer created by anodizing is particularly resistant to corrosion and wear, as it is fully integrated into the material instead of just adhering to it.





Our concrete surfaces not only look and feel like concrete, but actually consist of a cementitious finish – it's real concrete, not an imitation.



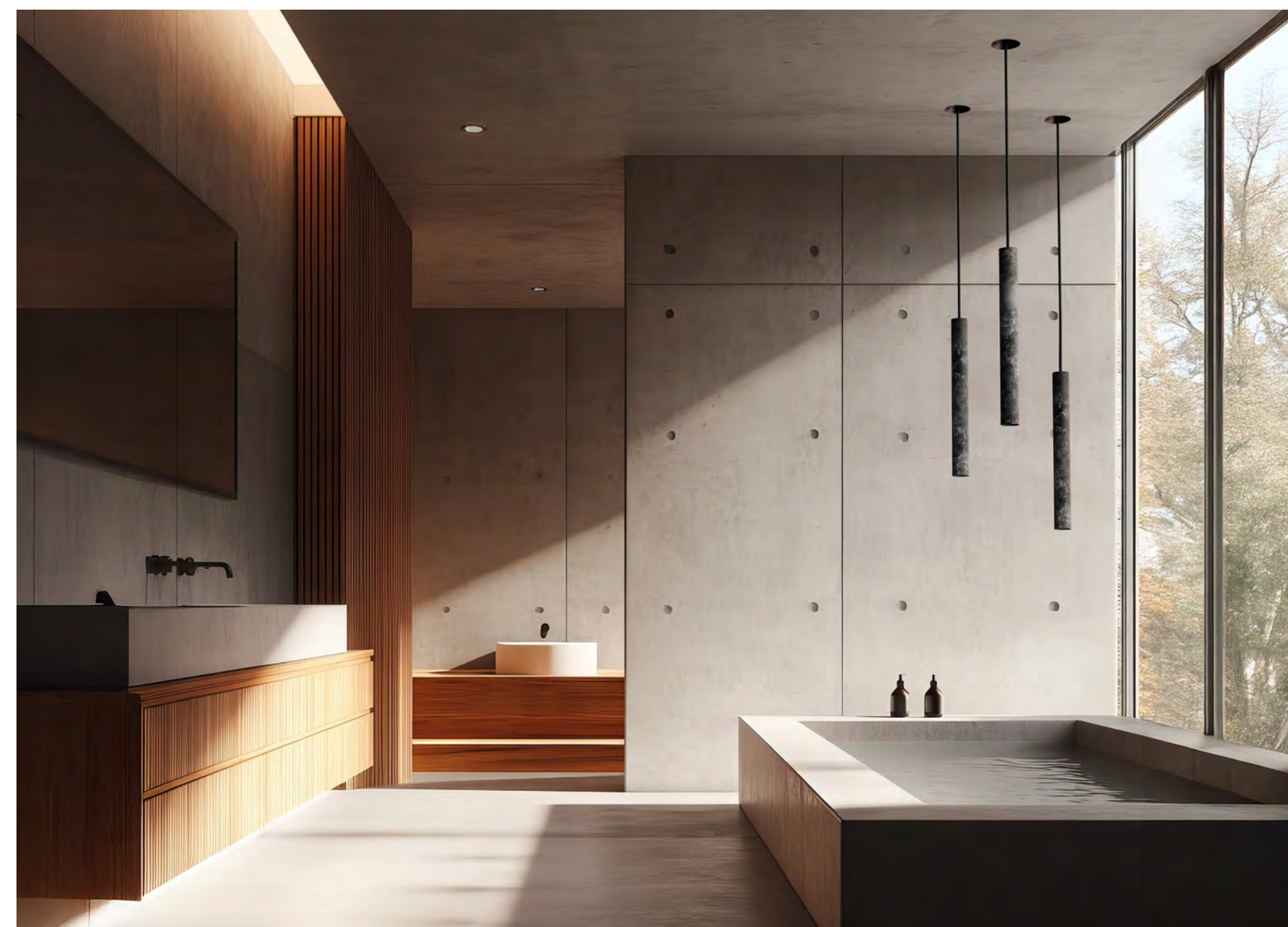
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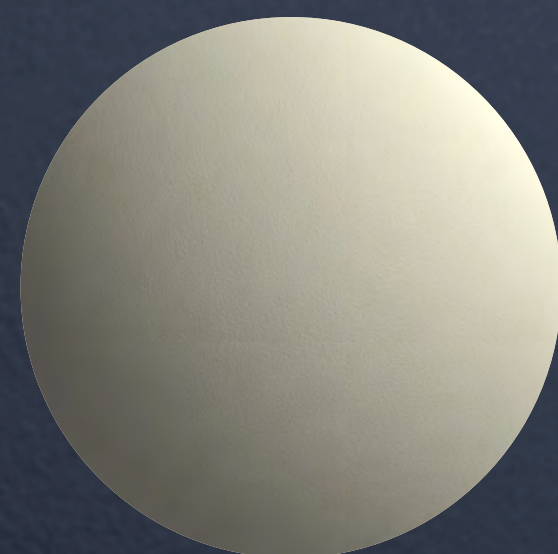
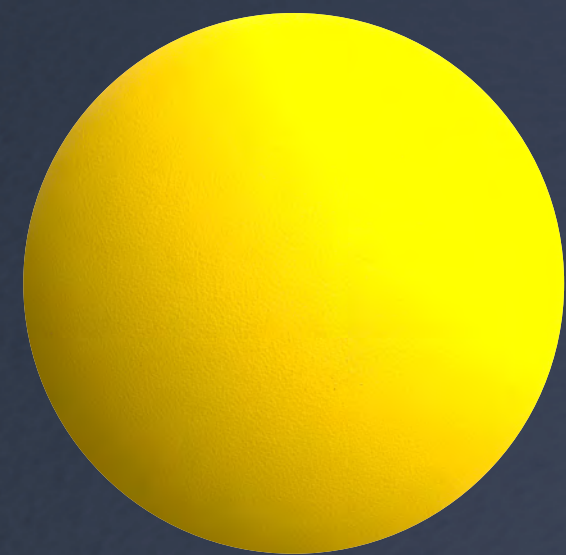
REAL CONCRETE



Real concrete coating is a specialized technique in which a cementitious layer is applied to the surface to create the authentic and natural look of real concrete. This type of coating is mainly used in modern design concepts to create an industrial aesthetic that combines both functional and decorative elements.

The rustic charm of concrete is enhanced by the unique texture and color of each individual piece. The entire process is crafted by hand, giving each luminaire an individual touch that makes it truly unique. No piece is the same as another, which adds to the charm and exclusivity of the products.





Powder coating not only gives luminaires a protective finish, it also adds character. It creates surfaces that you can see and feel – silky matt, velvety or with a fine structure. Colors appear richer, shapes clearer, every detail depth.



Explore a wider selection and the latest color options on our website.

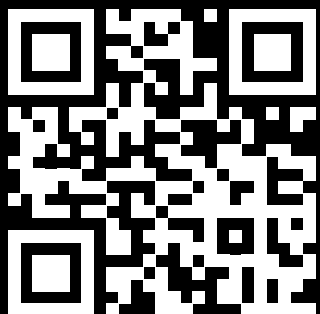
POWDER COAT



Powder coating not only offers a particularly resistant surface for luminaires, but also maximum design freedom. It provides reliable protection against scratches, corrosion and the impact of the weather – ideal for both indoor and outdoor luminaires. At the same time, the process enables a flawless, uniform appearance in almost all colors and effects, without any solvents. The result: durable, high-quality surfaces that perfectly combine design and function.



A new lighting experience



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