

**BEGA**



Outdoor luminaires with wood and aluminium

## Naturally stylish and durable – outdoor luminaires with wood and aluminium

For more than 75 years, BEGA has been developing and producing high-quality luminaires for almost all areas of interior and exterior architecture. As a family-owned company in its third generation, we develop luminaires that showcase globally renowned architectural projects in the best possible light. We see ourselves as innovators, as pioneers for new products and new technologies. Being open to new things is in our nature. We continuously develop our existing products and services in order to remain one step ahead at all times. And we are now enhancing our product range with a special material that can be sustainably regrown: wood. It's a material as timeless as many of our products. With its many years of expertise, our sister company Aubrilam provides us with the necessary expertise to meet our demand for durability in the field of woodworking.

People have been using wood for innumerable purposes for over 400,000 years. Wood is tough and durable, light yet strong, regulates moisture and is extremely versatile. It is the ideal building material for any architectural style. Indeed, the advantages of wood go far beyond its functionality. Wood elicits emotion, conveys a feeling of warmth and naturalness, has a relaxing effect and yet also creates a vibrant atmosphere. This historically significant material also has the potential to become a material of the future. At a time when it is becoming increasingly clear that most resources are finite, wood's importance as a material that can be sustainably regrown is increasing. As it grows, each tree removes CO<sub>2</sub> from the air and enriches it with fresh oxygen. That means that trees make a valuable and sustainable contribution to protecting the climate.

Especially in combination with other materials, however, wood impressively demonstrates its versatility. We choose a fusion of aluminium and wood, which are extremely durable materials. We combine our light yet high-strength aluminium, whose surface is additionally protected by BEGA Coating Technology<sup>®</sup>, with robust pine wood of the finest quality from sustainable forestry. This includes Accoya<sup>®</sup> wood for BEGA garden luminaires and bollards, laminated wood in compliance with DIN EN 14080 for light building elements and luminaire poles, and Kebony Clear as the seating surface for "benches" and "stools". Wood and metal are combined in a way that is both stylish and functional, while a special treatment ensures that the materials remain highly durable, long-lasting and dimensionally stable. This is guaranteed by both the BEGA name and the expertise of our sister company Aubrilam, a leading supplier in the field of outdoor wood applications for more than 40 years.



Luminaires with Accoya® wood and aluminium.  
Our sister company Aubrilam has more than 40 years  
expertise in outdoor wood applications.







## Garden and pathway luminaires made of Accoya® wood and aluminium

Garden and pathway luminaires illuminate recreational spaces and pathways in the garden with their flat-beam, glare-free light. They unite function and aesthetics and create a harmonious atmosphere in any garden through much more than just their light effect. Particularly when illuminated, the wood truly comes into its own. These garden and pathway luminaires offer much more than just functional lighting. They are a symbol of durability and security, and an expression of a positive connection with nature. They transform the garden into a stylish extension of the living space and create an impressive experience both by day and by night.





LED system bollards  
made of Accoya® wood and aluminium

Depending on the materials used, public spaces are sometimes perceived by people as frigid and anonymous. This is where wood comes in. Wood creates a feeling of warmth and security that is normally associated with private environments. It adds a pleasant, warm and natural element to public spaces.

Squares and other areas where decorative wooden elements are used convince with their pleasant and vibrant atmosphere.

Our system bollards can therefore be used to full effect both in maritime environments as well as in traditional architecture.

Their contrasting effect enlivens and enriches modern urban and landscape design, too, contributing to the successful design of public spaces.



## The system

Leading the way in versatility: BEGA system bollards represent a wealth of possibilities. Thanks to a modular luminaire concept, the high-quality cast aluminium luminaire heads can now be combined with the new bollard tubes with Accoya® wood. The system bollards are versatile enough to define surfaces, structure spaces and light pathways. Day and night, come rain or shine, the robust bollards are extremely tough and can withstand all types of weather and environmental influences. This is down to the BEGA Coating Technology® on the aluminium parts, and the high-quality Accoya® wood used for the bollard tubes.

The Monterey pine wood comes from sustainable forestry and undergoes a complete acetylation treatment. This process makes it extremely dimensionally stable and durable. Not only do the BEGA system bollards set standards in terms of quality, they set visual accents, too. The versatile combination of wood and metal broadens the range of possible applications no end. Be it a Mediterranean marina or a botanical garden in a bustling metropolis, wooden bollards provide the perfect ambience.







Ø 140 · Ø 190 · Ø 265 mm

□ 160 · □ 220 mm

The different sizes of the bollard tubes allow for solutions tailored to the respective situation.  
You can find out which combinations are possible with the respective LED system bollard heads  
at [bega.com/wood](http://bega.com/wood)





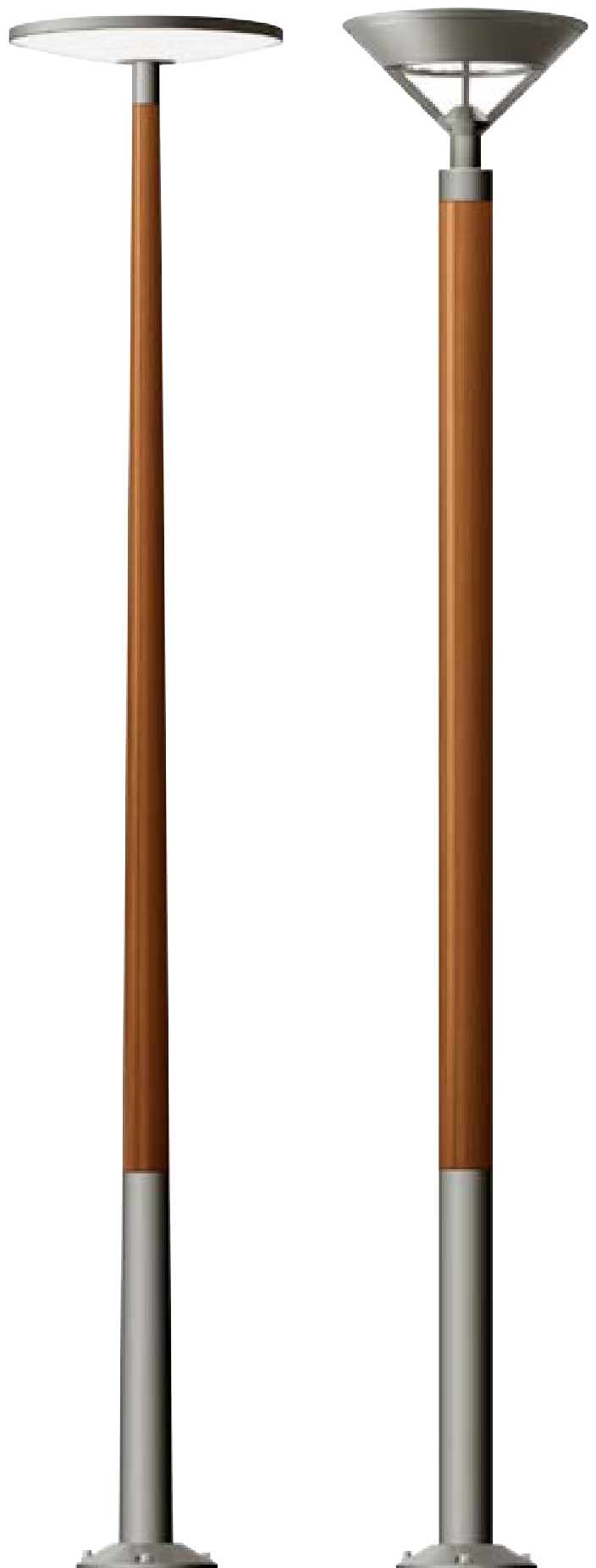
Luminaire poles  
made of laminated wood and aluminium  
in accordance with DIN EN 14080

We encounter pole-top luminaires in many areas of daily life. The corresponding luminaire poles made of hot-dip galvanised steel or painted aluminium often fulfil the requirements placed upon them in an unassuming manner. There are, however, lighting systems in which these luminaires play a more significant role as a design element; they are intended to contribute to a positive perception of the public environment. Alongside our light building elements, our new luminaire poles with laminated wood offer completely new design possibilities for such requirements.

In close cooperation with our sister company Aubrilam, we have created high-quality wooden poles that withstand wind and weather – and which also stand for stylish and timeless design. Aubrilam has been the go-to international specialist for outdoor wood applications for more than 40 years.

These BEGA luminaire poles are comprised of finger-jointed pine wood slats sorted according to strength class. The static characteristic values and the strength classes meet the requirements of DIN EN 14080. The use of high-quality aluminium at the base of the pole means the wood has no direct contact with the ground, while the addition of BEGA Coating Technology® on the aluminium parts provides maximum protection in this critical area.

Many of our pole-top luminaires, combined with the new luminaire poles with laminated wood, blend harmoniously into environments where sophisticated design and the recreational value for visitors are the focus of attention.



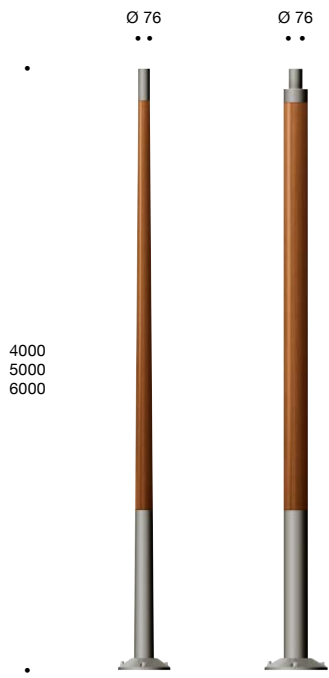
## Pole-top luminaires for poles made of laminated wood and aluminium

The new luminaire poles offer a wide range of design options. They are available in conical or cylindrical designs, in heights of 4, 5 or 6 metres. All aluminium and cast aluminium parts of a luminaire pole come in either graphite or silver to match our pole-top luminaires.

BEGA laminated wood poles can be combined with BEGA pole-top luminaires with a pole-top diameter of 76 millimetres. This opens up a wide range of possible combinations to suit the atmosphere of the location in which they are installed.

The combinations shown on this page provide just a small glimpse of the possible combinations of BEGA pole-top luminaires with BEGA laminated wood poles.









Cylindrical and square light building elements can be fitted with up to eight LED performance floodlights.



### Light building elements made of laminated wood and aluminium in accordance with DIN EN 14080

Light building elements are illuminated steles for public spaces. They form the design unit of a light-generating component and its supporting structure. In public spaces, they structure and organise the space. Light building elements guide and direct both pedestrians and vehicles. At the same time, they can be used as luminous design elements to emphasise the architecture, if required. Particularly in the dark, the illuminated wood truly takes centre stage.

On streets, squares or in traffic-calmed areas, wood creates a pleasant feeling of naturalness and warmth. Rectangular light building elements with light emission on one or two sides, as well as round light building elements, are available for planning work. Round and square luminaire poles with a four-sided profile holder for installing up to eight high-performance floodlights complete the group – for a wide range of situations in which special illumination of this type is required.





## Light design elements

BEGA “benches” and “stools” are much more than just seating. As elements of lighting design, they give structure and atmosphere both to private and public spaces. The glare-free light on the underside discreetly and stylishly illuminates the floor beneath the seats. The use of wood adds a touch of warmth and naturalness to the seating experience — for the long term. That’s because the seating surface is made of knot-free Monterey pine Kebony Clear that is extremely tough and durable. The cell structure of the wood is additionally strengthened by means of an environmentally friendly process, resulting in a degree of hardness that is comparable with that of tropical woods.

The surface is therefore easy to maintain and does not require any further treatment to be permanently protected against fungal attack and rotting. A brush and a little water is all you need. The naturalness of the Kebony-Clear seating surfaces of BEGA “benches” and “stools” is underlined by an attractive silver patina, which develops over time through exposure to sunlight and the elements.



## About our wood and maintaining it

Wood is durable and lastingly attractive. It is a vibrant, emotional material that conveys comfort, warmth and an affinity with nature. At the same time, wood boasts a high degree of durability.

In cooperation with our sister company Aubrilam, who has decades of expertise in outdoor wood applications, we bring the numerous advantages of wood to bear. The wood used for our luminaires and luminaire poles is pine. To achieve its exceptional toughness, the wood – such as Accoya® wood, for example – is subjected to a uniform acetylation treatment across the entire cross-section. This means that not only the surface, but the wood in its entirety, remains optimally protected against environmental influences and the weather – right down to the core. The result is an extremely dimensionally stable and durable wood. The high-quality wood used comes exclusively from forests managed in an exemplary manner with sustainable forestry. It grows back quickly and is continuously available. And it is full of life – and that shows in the course of daily use. Sun, wind, rain and salt water change the appearance of the wood over time, underlining the naturalness of the material and telling its story. Naturally beautiful.

The combination of wood and aluminium sets new accents in the BEGA product portfolio. The creative interplay of the two materials defines a new, extremely exclusive design language that blends harmoniously into different situations and architectural styles. The permanent union of the two materials should not be taken for granted, however. Under normal circumstances, the organic acids in the wood can damage untreated metals. That's where our patented BEGA Coating Technology® comes in. It protects metallic surfaces permanently and effectively. Even under extreme climatic conditions such as constant sunlight, strong temperature fluctuations and high humidity, the metal remains highly corrosion-resistant and stable. In this way, two extremely durable materials can be united to achieve outstanding quality, maximum functionality and a unique style.

As a rule, a brush and a little water are all you need to maintain the wood. If, after many years of use or due to unforeseen damage, the wood needs reconditioning or re-coating, our sister company Aubrilam offers these services.

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## Legal Notice

Published by: BEGA, Menden

Printed by: LUC, Greven

Lithography: RGI, Dortmund

Concept, design and photography are the joint work of our company's designers.

We would like to thank the following people for providing us with images:

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