



# ICON

*The world's most sustainable lighting column*

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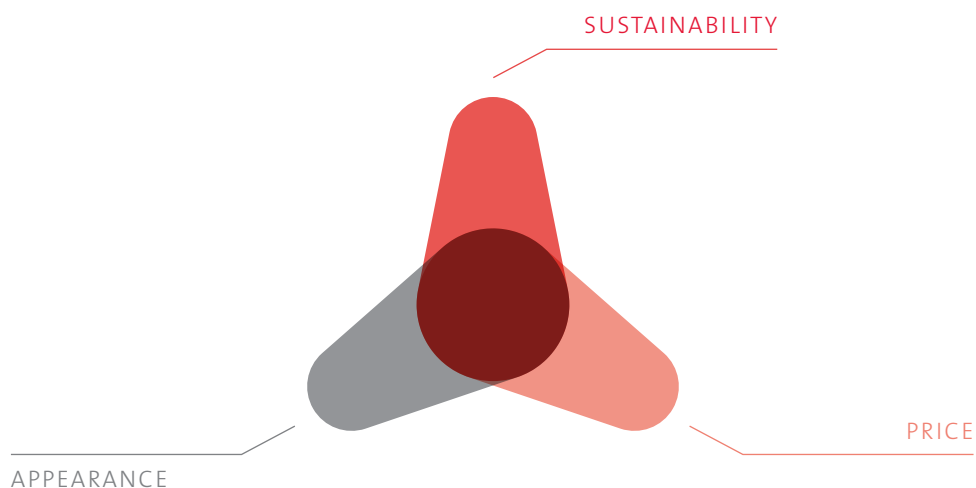
*The world's most sustainable lighting column*

## *Icon of sustainability, appearance and price*

- The **ICON** marks a new phase in the development of lighting columns. Sustainability plays a vital role: the **ICON** is without a doubt the world's most sustainable lighting column. From raw material to production method, and from coating to root protection: the most sustainable solution was selected in every area.

- However, the **ICON** is much more than that. This lighting column makes an impact with regard
- to its appearance and the level of investment. The innovative production method also provides new possibilities when it comes to design and efficiency.

The **ICON** is thus a lighting column that signals a new era and one which lives up to its name in every respect.



## *The most sustainable raw material: steel*

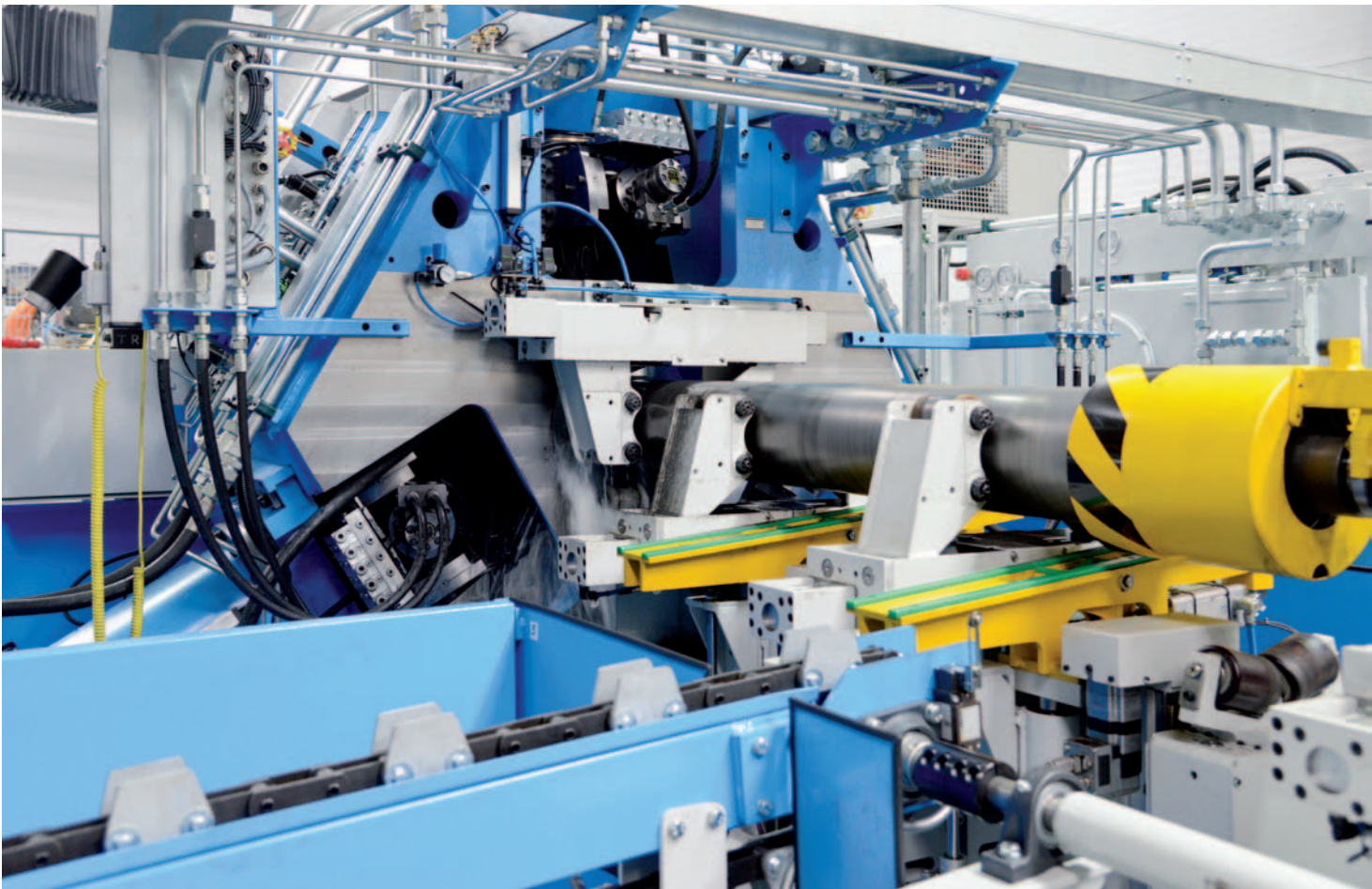
□ The sustainability specialists at Search Consultancy conducted research into the environmental impact of steel and aluminium as a raw material for lighting columns. In this context, they analysed all of the available, relevant studies that had been conducted around the world. The conclusion is crystal clear: 'Steel lighting columns have a much lower environmental impact than their aluminium counterparts.'

The **ICON** will only be constructed in steel.

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Would you like to know more about this research?  
Let us know and we can tell you all about it.

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## *The most sustainable **production method:** cold forcing technique*

- The researchers at Search Consultancy also examined studies that have been conducted into the environmental impact of forcing techniques. Their conclusion: cold forcing techniques are the best.

The **ICON** is the only conical lighting column in the world that is produced using this cold forcing technique. This production method not only requires substantially less energy than the traditional hot forcing technique, but also leads to significant savings in materials.

The cold forcing technique permits a reduced wall thickness as the conical column reduces in diameter. The **ICON** is thus lighter than conventional lighting columns. And the fact that the yield point of the material increases with cold forcing means the column is stronger and the designer can reduce the weight even further.

The **ICON** thus represents a unique performance when it comes to sustainability: a much lower CO<sub>2</sub> footprint and a significant saving in terms of materials compared to conventional columns.

## *The most sustainable **coating:** Kaal DCC*

- Every **ICON** lighting column is given a Kaal DCC Coating as standard. Kaal DCC is an extremely strong and durable coating that is applied in a CO<sub>2</sub> neutral manner. The application of this coating leads to lower maintenance requirements and extends the lifetime of the column. Kaal DCC Coating retains its gloss longer than any other coating and also retains its colour for an extremely long time.

Kaal DCC Coating is therefore not only a choice for quality but also for limited maintenance, a lower Total Cost of Ownership and a greater degree of sustainability. The coating is graffiti-resistant and is available in all RAL colours.

## *The most sustainable **root protection**: HMR*

Chemical and mechanical damage can also occur to the lighting column under the ground and just above ground level. To prevent this, we equip the **ICON** with a special HMR ground treatment. As a result, the section that comes into contact with the ground has high mechanical resistance (HMR). In practice, this means that it is extremely resistant to wear-and-tear and can cope with chemical substances. In addition, the ground-piece is air and watertight.

HMR extends the life expectancy of your lighting column considerably. This solution contains no substances that could damage the environment. Thanks to HMR, quality and sustainability go hand in hand.



## *Top quality appearance*

- Let's not skirt around the issue: a lighting column must also be the right aesthetic choice. The **ICON** offers a range of options in this regard.

Thanks to the forcing process, the diameter and wall-thickness can be managed independently of one another. This gives the designer maximum design freedom. Fully conical, cylindrically conical, multiple conical, parabolic and increasing/decreasing diameters: it's all possible. Additionally, the **ICON** is perfectly round and the fit of the doors is sublime thanks to laser precision.

These elements are not just aesthetically relevant but also functionally relevant. Round accessories thus connect perfectly into the column and a perfectly cylindrical upper side can serve as the ideal connection point for fittings and cameras, for example. The connection between the cylindrical and conical elements runs smoothly and seamlessly.

The **ICON** therefore also lives up to its name in terms of aesthetic considerations.

## *Sustainable investment*

- Thanks to its efficient production method and high quality materials, the **ICON** has a competitive price. And perhaps even more importantly: the lower Total Cost of Ownership makes the **ICON** an investment that is sustainable in every respect.

## *Kaal Masten*

Kaal Masten is devoted to creating sustainable, safe and attractively designed public spaces. We do this with a complete range of quality lighting columns and a distinctive approach: we take our clients' worries off their hands, from design to manufacture and from installation to inspection.

Mobility, lighting, communication, sustainability and safety: we have all markets under one roof. For new and complex issues, we will happily function as your expert partner and work with you to come up with ideas, achieve solutions and deliver customisation.

Our approach is characterised by a solution-focussed and cost-conscious working method. The basic principle is always the same: the provision of service at every step of the process: from A to Z.

Sustainability is the guiding light. We are ISO 14001 certified, work in a CO2 neutral manner and encourage the use of climate-neutral lighting columns at every possible opportunity.



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