



**Reliable, secure and safe**

Sapa supplies the columns according to all the relevant standards and regulations regarding strength standards. Also all the products comply with ISO 9001 and ISO 14001 and all products are CE-certified (No. 336-CPD-09686). Sapa also has a wide range of aluminium lighting columns that comply with the new European passive safety norm, the EN-12767. So you are always sure of receiving a top quality product.

**Sustainable and environmental friendly**

Aluminium columns are completely recyclable. Since the recycling of aluminium consumes little energy, 95% of the energy that would be consumed to make primary aluminium is saved. Aluminium can be recycled time after time endlessly with no loss of quality. Another positive aspect is the fact that recycling is also financially advantageous. Historically, the recoverable value at the end of a columns life is 15% of the initial purchase price. All Sapa columns consist of a minimum of 95% recycled aluminium.

**Vandal proof**

A column is designed according to the standards mentioned above, including the lantern, geographical position and the material properties of aluminium. Normally, columns that are up to a height of 6 meters have a wall thickness of 2,5 mm to 3 mm. If vandalism poses a problem, we can supply a column with an extra strength wall thickness: the Bulldog. This column has been independently tested, with results showing that it is indeed stronger than its steel equivalent.

**Maintenance free**

The natural properties of aluminium mean that no additional surface protection such as painting is necessary. This represents a considerable saving in maintenance costs and also makes a positive contribution to the environment. Experience tells us that aluminium lighting columns can have a life expectancy of over 45 years.

**Easy access**

With the introduction of the double sliding lock, Sapa has put an end to doors that stick or jam. The door section of our column is easy to operate and last the lifetime of the column. A doorlock with our special development vandal-proof Alulock can only be opened with a special Alulock key.

**The strongest option**

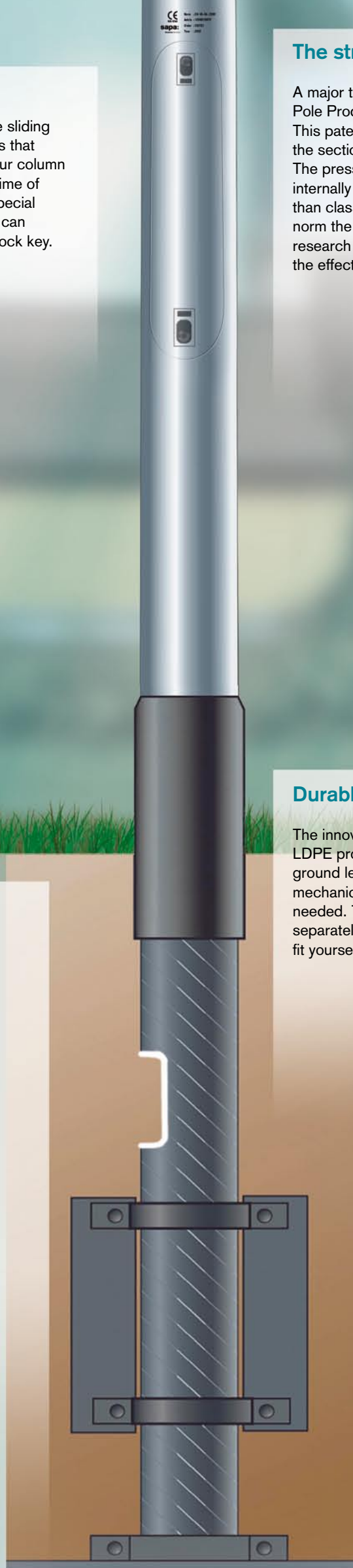
A major technological development by Sapa Pole Products is the reinforcement profile. This patented profile gives extra strength to the section around the door. The press stressed reinforcement profile is internally welded. This solution is stronger than class 5 as stated in the European norm the EN 40-3-3. Independent scientific research shows that besides the tension, the effect of torsion is also reduced.

**Long life expectancy**

Working in cooperation with the internationally recognized institute for scientific research, TNO, Sapa has conducted a series of investigations. Our exaggerated testing program (Report 2003-BC-R0035/MLJ), which simulated 25 years in ground over an 8 week period, compared a wide range of different types of root protection solutions. The results proved that the best alternative is the use of corrosion protective tape combined with a polypropylene protective cap on the foot of the column.

**Durable solutions**

The innovative, environmentally friendly LDPE protector, provides the column at ground level with extra protection against mechanical damage where it is most needed. The LDPE protector is also available separately (for Sapa columns) and is easy to fit yourself.



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**sapa:**  
Shaping the future

If you are interested in aluminium lighting columns, we are happy to help.

I would like more information:

- Please contact us
- Please send me your comprehensive literature
- Please put me on the list to receive your E-newsletter

Name: ..... Company: .....

Postal address: ..... Postal code + Town: .....

Telephone: ..... Fax: .....

E-mail: .....



## Sapa Pole Products

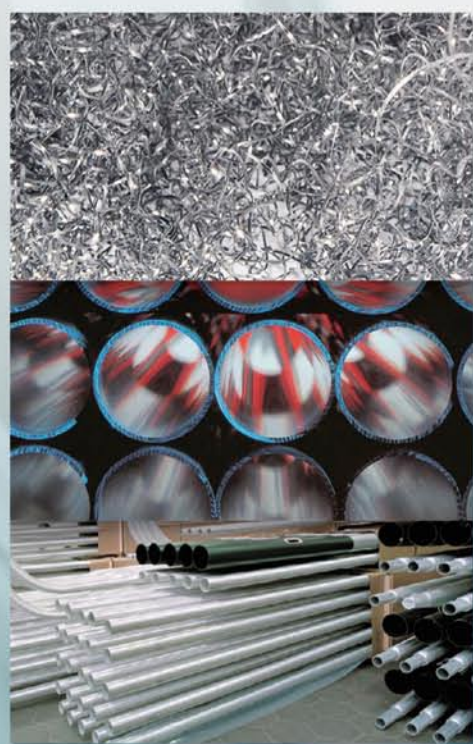
Aluminium lighting columns, flagpoles and complete systems for mounting traffic lights are the main products manufactured by Sapa Pole Products, a division of the Sapa Group. Sapa Pole Products are now market leader in equipping our environment with the necessary infrastructure in a way that is not only safe and environmentally sound but also beautifully designed.

### Sapa

Sapa Profiles is the world's largest aluminium extrusions company with 111 presses in 18 countries and more than 12,000 employees. The concept of Sapa is based upon close cooperation with our customers in Europe, North-America, Central America and Asia.

### Columns

Sapa Pole Products is fully equipped and has the flexibility to produce aluminium lighting columns and flagpoles in practically all shapes and sizes. From a standard lighting column or flagpole 25 meters high to a complete custom-made lighting column, with an excellent fit in public spaces. The engineers at Sapa Pole Products will select the ideal solution for our client, from countless possibilities whilst making the best use of the unique properties of aluminium. This results in a product that complies with the most recent European norms, in combination with all the advantages of aluminium: it is maintenance-free, lightweight, impact-safe and 100% recyclable. On top of that, its decorative possibilities are practically unlimited.



## Aluminium lighting columns



Sapa has over 3000 lighting column models and the number is increasing every day. No question is too challenging for our engineers; we can create a column to match your ideas and imagination.

## Accessories



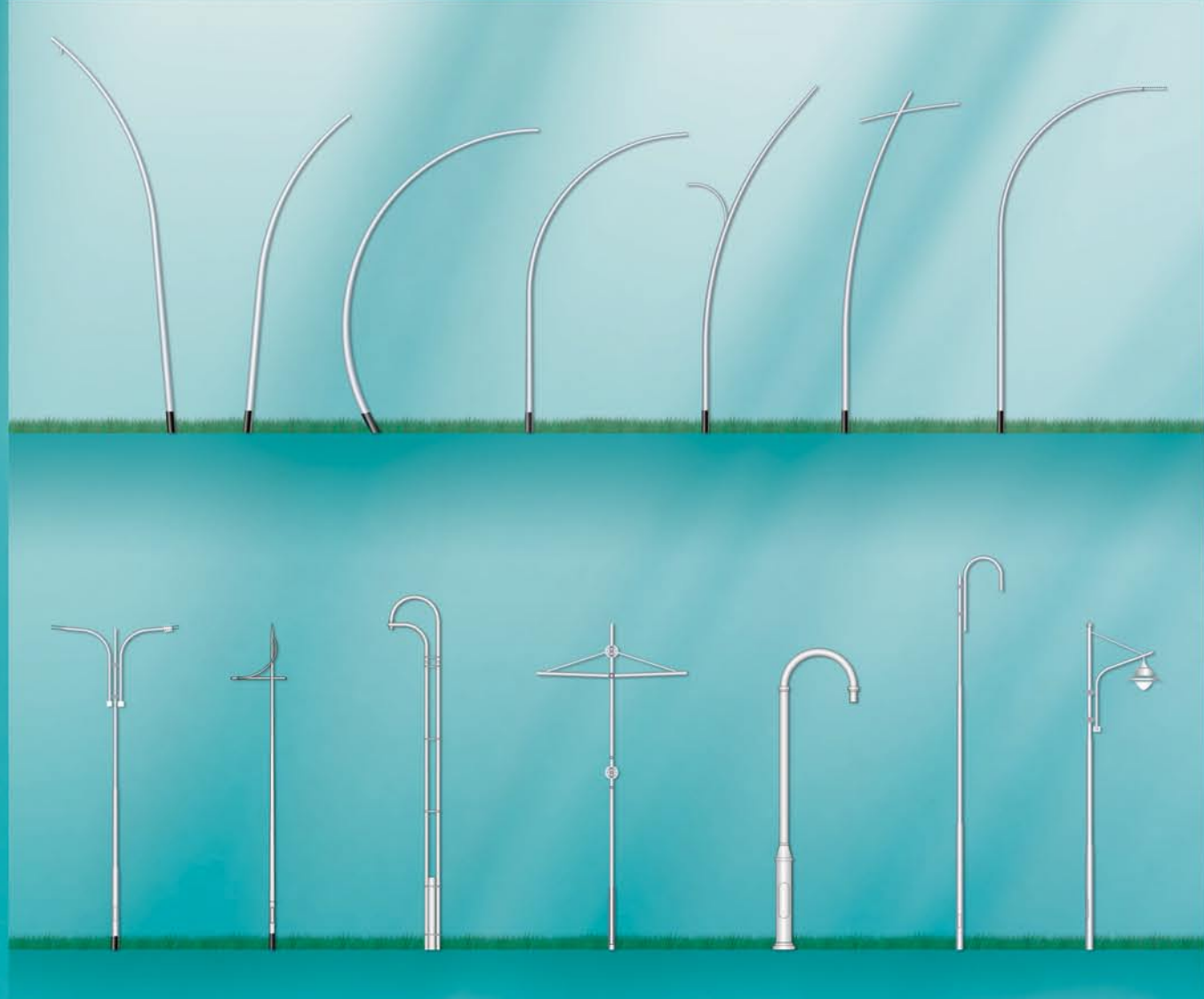
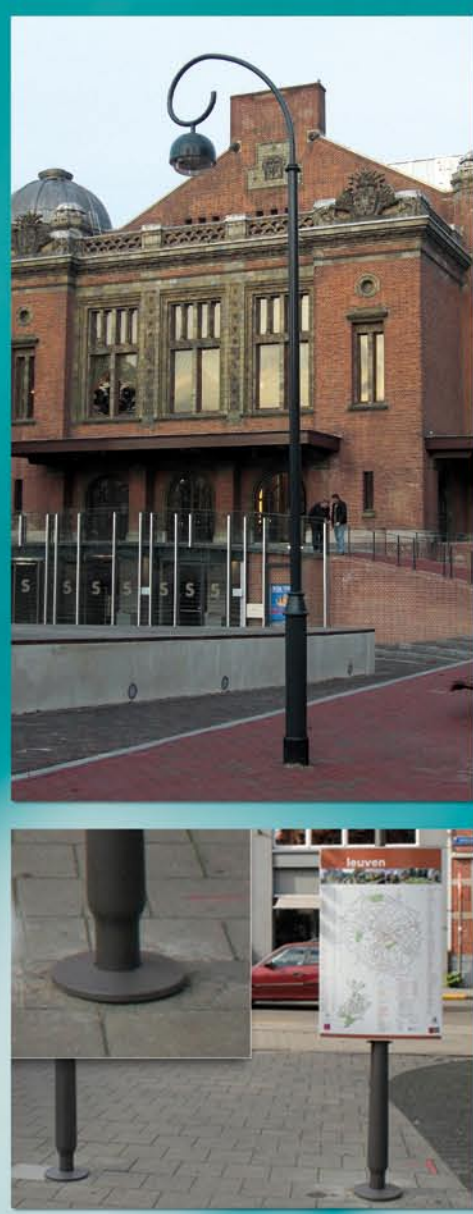
Accessories for various purposes. LDPE protector as additional protection around ground level. Twist-on ground plate and wings for more stable installation. Aluminium base plates like the conical two-parted cast base plate. And the Alulock; the patented vandal-proof door lock.



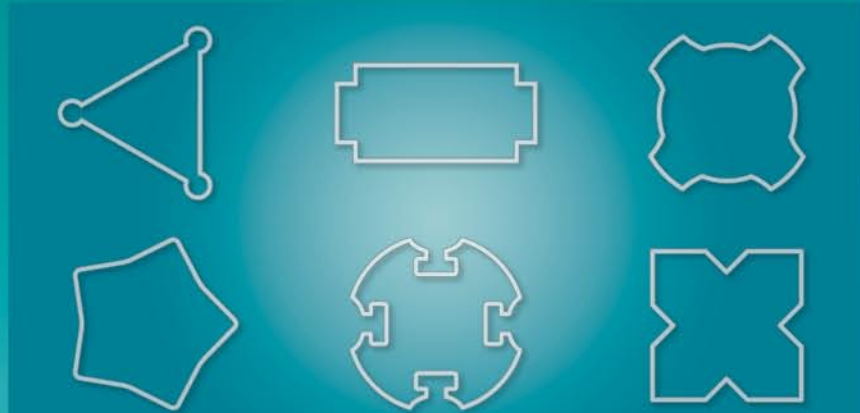
## Custom made products



Sapa Pole Products offers you the option of choosing your own design and turning it into a functional, decorative lighting column. The Application Center of Sapa Pole Products combines the knowledge of aluminium profiles, together with cutting edge lighting column designs, to create a total solution.



## One stop shop



As a one stop shop, Sapa Pole Products produces not only round lighting columns, but also quadrilateral, etc. etc. The Sapa extrusion facilities in Drunen, are able to produce a profile which Sapa Pole Products can turn into a lighting column, in any shape you require.

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