Flagmore®

Light weight champions - Now helping light up 2025

LIGHTING COLUMNS

Introducing InfraLite D108

Light Weight Fibreglass composite Lighting Columns 3-6 m

Using our extensive experience working with fiberglass composite flagpoles, dating back to 1958, we have now developed a new range of lighting columns. Flagmore's lighting columns are made of a fiberglass composite with a gelcoat finish, offering a lightweight, strong and durable product. Designed for public spaces where safety is a priority, including residential areas, parks, parking lots, and pedestrian and bicycle paths.

Production at our facility in Estonia complies with both our quality and environmental management systems and the European standard EN 40-7:2002.

Our composite lighting columns are significantly lighter than columns made of conventional materials as well as non-corrosive and non-conductive.
They require minimal installation time & effort, while offering a long lifespan.

Benefits

Lightweight

Provides up to a 70 percent weight reduction compared to conventional steel columns, streamlining the installation process.

Easy Transport & Installation

Low weight combined with high durability and long lifespan helps reduce project development cost by simplifying transport & handling as well as installation.

Environmentally friendly

Composite lighting columns offer a lower carbon footprint than traditional steel lighting columns. Both due to its low weight and energy efficient production process.

Non-conductive

Fibreglass-reinforced polyester is non-conductive, making it a safe material for lighting columns.

Corrosion-proof

The material composition we use does not rust or corrode. Providing benefits from maintenance, safety and environmental perspectives. While also making it ideal for coastal areas or harsh climate.

Long lifespan

Our composite columns have an expected lifespan of 50 years or more.

Durable color & finish

Our columns are pigmented during the manufacturing process and finished with a GEL COAT layer. This Gel Coat is applied directly to the column, providing a smooth, durable surface with superior resistance to acids and saline conditions. Additionally, it offers unmatched light stability that cannot be achieved with any post-manufacture paint application.

Choose color

Our attractive design is available in a wide range of colors. Besides our standard colors we offer a wide range of colors from the RAL scale, to suit any project. With a service door of the same high-quality finish, providing a sleek look.

Conical design

Our production process allows for an attractive conical design as standard.

Certifications

Flagmore is certified in accordance with ISO 9001 regarding quality management. Annual production control is carried out by RISE Research Institutes of Sweden in accordance with Harmonized standard: EN 40-7:2002.

Maintenance-free

No maintenance needed, except cleaning that can easily be performed with warm water and soap.

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Lengths

Our lighting columns are available in lengths from 3 to 6 meter, suitable for parks, residential areas, pedestrian and bicycle paths, parking lots and more.

Standardized top/bottom diameter

With a top diameter of 60 mm they are compatible with many commonly used lamps on the market.
The bottom diameter is 108 mm, suitable for 108 bases commonly used for conventional steel lighting columns.

Service door, sleek & offering easy installation

Service doors are 300 x 85 mm, allowing room for easy installation of connection kits, while maintaining a sleek look in the same high quality finish as the column itself.
The door is installed using a secure Torx screw (M6).

Color & characteristics

Lighting columns are of a conical shape with a durable high-quality UV-stable gelcoat finish that maintains its color over time.
Choose your color from the RAL scale giving you a wide range of colors to choose from. Or choose one of the standard colors: Black, Grey & White.

Optional Add-ons

If needed we can offer add-ons, to provide flexibility.

This includes:

- Steel Foot plate, installed to the bottom of the lighting column, where in ground installation is not an option.
- Top insert, allowing for use of 50mm lamps if needed.
- Cable entry slot, offering an extra hatch below ground, for cable installation.

Model	Top Ø	Bottom Ø	Weight	Service door width/height	Suitable base	Std colors	Custom colors
3 m	60 mm	108 mm	8 kg	85 / 300 mm	108/700 108/900	black/grey/ white	from RAL scale
4 m	60 mm	108 mm	10 kg	85 / 300 mm	108/700 108/900	black/grey/ white	from RAL scale
5 m	60 mm	108 mm	16 kg	85 / 300 mm	108/900	black/grey/ white	from RAL scale
6 m	60 mm	108 mm	22 kg	85 / 300 mm	108/900	black/grey/ white	from RAL scale

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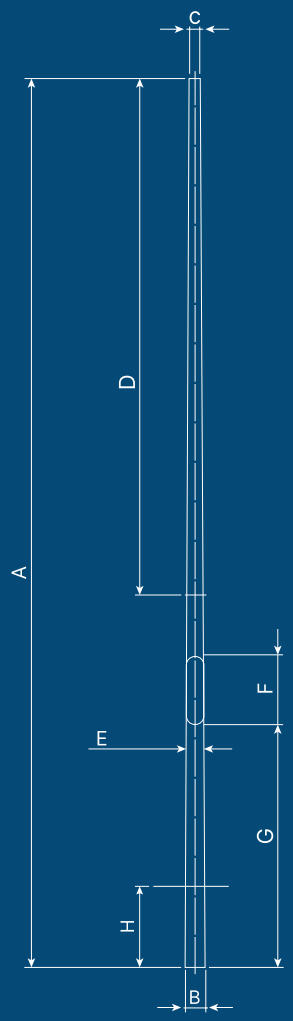
Lighting column InfraLite D108 - Technical data

Model		3 m	4 m	5 m	6 m
Total height	A	3500 mm	4500 m	5500 mm	6500 mm
Bottom diameter	B	108 mm	108 mm	108 mm	108 mm
Top diameter	C	60 mm	60 mm	60 mm	60 mm
Tapering height	D	1600 mm	2400 mm	3400 mm	4400 mm
Cylindrical height		1900 mm	2100 mm	2100 mm	2100 mm
Service door width	E	85 mm	85 mm	85 mm	85 mm
Service door height	F	300 mm	300 mm	300 mm	300 mm
Service hatch distance from bottom	G	1500 mm	1500 mm	1500 mm	1500 mm
Burial depth	H	500 mm	500 mm	500 mm	500 mm
Lighting column weight		8 kg	10 kg	16 kg	22 kg



Performance

Covered by: Certificate of Constancy of Performance No: 0402-CPR-SC0024-14 -issued by RISE

Model	Wind velocity	Deflection class	Partial load factor	Typography factor	Terrain class	Max lantern size	Max lantern weight
3 m	34 m/s	2	A	1	I	0,12 m²	12 kg
4 m	34 m/s	3	A	1	I	0,12 m²	12 kg
5 m	32 m/s	3	A	1	I	0,09 m² 0,1 m² 0,095 m²	12 kg 6 kg 9 kg
6 m	28 m/s	3	A	1	I	0,095 m² 0,11 m² 0,105 m² 0,1 m² 0,35* m²	12 kg 6 kg 8 kg 10 kg 21* kg

* - 21 m/s referenced wind velocity

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