Certificate of constancy of performance

0402-CPR-C500521

In compliance *with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction products

Lighting columns – Part 7: Requirements for fibre reinforced polymer composite lighting columns

Road lighting columns for circulation areas, with specification and performance as specified on page 2-3 in this certificate.

Product name: InfraLite D108

placed on the market under the name or trademark of

AS Flagmore

Põlluaasa, Kolu küla Kose vald Harju maakond
EE-75121 Harjumaa Estonia

and produced in the manufacturing plant

same as above

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard

EN 40-7:2002

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 2024-11-29 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402.
The validity of this certificate can be verified at RISE homepage.

Martin Tillander
Director Product Certification

2023-01-21

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Specification

InfraLite D108
Fibre reinforced polymer composite lighting columns with straight circular base with conical upper part.

Column height, [m]	3.5 m, 4.5 m, 5.5 m and 6.5 m height
Column base diameter [mm]	108
Column top diameter [mm]	60
Material thickness at opening [mm]	3.5 m height: 5.4 4.5 m height: 6.0 5.5 m height: 6.2 6.5 m height: 7.5
Top insert	Option one: Pipe diameter 48.3 mm Thickness: 3.2 mm Material: Stainless steel Option two: Pipe diameter 50 mm Thickness: 3 mm Material: Aluminium
Service Hatch	Cut out: 50×150 mm Positioned 100 mm from the bottom of the column
Foot plate	For column heights 3.5, 4.5 and 5.5 m: Plate: 200 × 200 mm Thickness: 15 mm Pipe: Diameter 92 mm Thickness: 4 mm Length: 505 mm Material: Steel S235 Bolts: 4 × M20 class 8.8 For column height 6.5 m: Plate: 200 × 200 mm Thickness: 15 mm Pipe: Diameter 83 mm Thickness: 4 mm Length: 505 mm Material: Steel S235 Bolts: 4 x M20 class 8.8

Performance

Resistance to horizontal loads	
Basic reference wind velocity [m/s]	3.5 m and 4.5 m height: 34 5.5 m height: 32 6.5 m height: 28 or 21
Topography factor	1
Terrain category	I
Partial load factor class	A
Maximum size of lantern	3.5 m and 4.5 m height: max 0.12 m² and 12 kg 5.5 m height: max 0.09 m² and 12 kg, max 0.1 m² and 6 kg, max 0.095 m² and 9 kg 6.5 m height: max 0.095 m² and 12 kg, max 0.11 m² and 6 kg, max 0.105 m² and 8 kg, max 0.1 m² and 10 kg, max 0.35 m² and 10 kg with 21 m/s as basic reference wind velocity
Horizontal deflection class	3.5 m: class 2 4.5 m, 5.5 m and 6.5 m height: class 3

Performance under vehicle impact (passive safety)	Class 0
Durability	
Pigmentation	Inked polyester
Surface finish	Gelcoat
Cut edges	Grinded and sealed with parent resin