



Certificate of constancy of performance

0402 - CPR - SC0024-14

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

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

Fibre reinforced polymer composite lighting columns

as specified in appendix to this certificate.

Intended use: Road lighting columns for circulation areas

Product name: Formenta lighting column 3 - 6 m

produced by or for

Formenta International AB

Box 525

331 25 VÄRNAMO

Sweden

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 performances set out in this certificate are applied and that

the construction products fulfil all the prescribed requirements for these performances.

This certificate was first issued on 2014-07-01 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

2014-07-01

**SP Technical Research Institute of Sweden
Certification, Notified Body No. 0402**



Lennart Aronsson
Product Certification Manager



Susanne Hansson
Certification officer

Certificate of constancy of performance

0402 - CPR - SC0024-14 appendix

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

Formenta - Fibre reinforced polymer composite lighting columns with top mounted lanterns

Classification: Resistance to horizontal loads

Column height	Technical classes	Maximum size of the lantern attached to the column
3 m	Wind speed 34 m/s Terrain class I Partial load factor class A Horizontal deflection class 2	max 0.120 m ² , 12 kg
4 m	Wind speed 34 m/s Terrain class I Partial load factor class A Horizontal deflection class 3	max 0.120 m ² , 12 kg
5 m	Wind speed 34 m/s Terrain class I Partial load factor class A Horizontal deflection class 3	max 0.100 m ² , 6-7 kg max 0.095 m ² , 8 -10 kg max 0.090 m ² , 12 kg
6 m	Wind speed 28 m/s Terrain class I Partial load factor class A Horizontal deflection class 3	max 0.110 m ² , 6 kg max 0.105 m ² , 7-8 kg max 0.100 m ² , 9 -10 kg max 0.095 m ² , 12 kg

Classification: Performance under vehicle impact

Performance under vehicle impact (passive safety) according to EN 12767:2000	Value
Columns 3 – 6 m	Class 0 (No value available)

Certificate of constancy of performance

0402 - CPR - SC0024-14 appendix

Classification: Durability

Characteristic and part	Description Durability
Pigmentation	Inked polyester
Surface finish	Gelcoat
Cut edges	Pigmented top coating. Reinforcement frame glued to door opening

Product description

Materials, dimensions etc	Description
Column material	Glass fibre reinforced polyester
Column height	3, 4, 5, and 6 m
Column base diameter	108±1 mm
Column top diameter	60±1.2 mm
Material thickness at bottom	5.0 mm
Distance into soil	0.5 m