

# DECLARATION OF PERFORMANCE

No. 1

1. Product Type: Formenta **Lighting Columns 3–10 m**, Article Group 10
2. Intended use: Road lighting columns, walking and cycling roads, parks, parking lots and the like.
3. Manufacturer: **Formenta AB**, Box 525, SE-331 25, Värnamo, Sweden ([www.formenta.se](http://www.formenta.se))
4. The system of assessment and verification of constancy of performance: **System 1**
5. Harmonized standard: **EN 40-7:2002**  
SP Sveriges Tekniska Forskningsinstitut, Notified body no. 0402  
Certificate of Constancy of Performance No: **0402-CPR-SC0024-14**
6. Specified performance: **Terrain Class I; Partial Load Factor Class A**

Column height	Base diameter	Wind speed	Horizontal deflection	Max. size of lantern attached to column	
3 m	108 mm	34 m/s	Class 2	0.120 m <sup>2</sup>	12 kg
4 m	108 mm	34 m/s	Class 3	0.120 m <sup>2</sup>	12 kg
5 m	108 mm	34 m/s	Class 3	0.100 m <sup>2</sup>	6–7 kg
				0.095 m <sup>2</sup>	8–10 kg
				0.090 m <sup>2</sup>	12 kg
6 m	108 mm	28 m/s	Class 3	0.110 m <sup>2</sup>	6 kg
				0.105 m <sup>2</sup>	7–8 kg
				0.100 m <sup>2</sup>	9–10 kg
				0.095 m <sup>2</sup>	12 kg
6 m	127 mm	24 m/s	Class 2 or 3	0.35 m <sup>2</sup>	10 kg
	179 mm	24 m/s	Class 2 or 3	0.41 m <sup>2</sup>	21 kg
7 m	127 mm	24 m/s	Class 2 or 3	0.28 m <sup>2</sup>	10 kg
	179 mm	24 m/s	Class 2 or 3	0.40 m <sup>2</sup>	21 kg
8 m	127 mm	24 m/s	Class 3	0.13 m <sup>2</sup>	10 kg
	179 mm	24 m/s	Class 3	0.54 m <sup>2</sup>	21 kg
9 m	179 mm	24 m/s	Class 3	0.45 m <sup>2</sup>	21 kg
10 m	179 mm	24 m/s	Class 3	0.47 m <sup>2</sup>	21 kg

## Classification: Performance under vehicle impact

Performance under vehicle impact (passive safety) according to EN 12767:2000

Value

Columns 3–6 m  
Columns 7–10 m

Class 0 (no value)  
Class 0 (no value)

## Classification: Durability

Characteristic and part

Description durability

Pigmentation  
Surface finish  
Cut edges

Inked polyester  
Gelcoat  
Pigmented top coating  
Reinforcement frame glued to door opening

## Product description

Materials, dimensions etc

Description 3–6 m

Description 7–10 m

Column material	Glass fibre reinforced polyester	Glass fibre reinforced polyester
Column height	3, 4, 5 or 6 m	7, 8, 9 or 10 m
Column base diameter	108, 127 or 179 mm (± 1 mm)	127 or 179 mm (± 1 mm)
Column top diameter	60 mm (± 1,2 mm)	60 mm (± 1,2 mm)
Material thickness at bottom	5.0 mm	4.5, 5.0, 6.0, 6.5, 7.0, 8.0 or 9.5 mm
Distance into soil	0.5 or 0.8 m	0.5 or 0.8 m

7. This declaration of performance is available on [www.formenta.se](http://www.formenta.se)

The performance of the above product complies with the specified performance. This declaration of performance is issued in accordance with Regulation (EU) No **305/2011** on responsibility of the manufacturer listed above.

Signed on behalf of the manufacturer of:  
Värnamo 2020-11-11



Peter Nyholm, Technical Manager