

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 5: Requirements for steel lighting columns

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

Product name: VikØrsta RS mast PL 240

placed on the market under the name or trademark of

Vik Ørsta AS

Postboks 193
NO-6150 Ørsta, Norway

and produced in the manufacturing plants

Ørsta (Hovden and Ura), Norway

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

EN 40-5:2002

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 2009-04-08 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 on our website.

Martin Tillander
Director Product Certification

Certificate 0402-CPR- SC0344-09 | issue 5 | 2021-12-14

RISE Research Institutes of Sweden AB | Certification

Box 857, SE-50115 Borås, Sweden

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

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Specification

Description of the product and configuration

Product	Description	
Column types Pole material thickness	Sloted conical 3 mm	
Material	Steel S235 (column) Steel S355 (bracket)	
Service hatch, - opening - reinforcement	- width: 38-150 mm, height: 132-600 mm - none	
Pole height Pole diameter, top Pole diameter, base	6.0 m 76 mm 142 mm	8.0-12.0 m 60-89 mm 148-221 mm
Type of lantern mounting	Top, Single and double	Top, Single and double
Maximum size of lantern, mass and area	Top mounted: < 100 kg and < 1.0 m ² Bracket mounted (each lantern): < 50 kg and < 0,5 m ²	Top mounted: < 100 kg and < 1.0 m ² Bracket mounted (each lantern): < 50 kg and < 0,5 m ²
Bracket/arm projection	length max: 2.0 m	length max: 3.0 m
Mounting	Connected with bolts in steel foundation. Distance between fundament and footplate 0-150 mm Inserted in concrete foundation	

Performance

Resistance to horizontal loads (according to EN 40-5: 2002 (EN 40-3-1 -- 3: 2013))	
Height of column	6.0 - 12.0 m
Topography factor	1.00
Terrain category/class	I-IV
Reference wind velocity (m/s)	20-36
Load class	A/B
Horizontal deflection class	1, 2 or 3

Performance under vehicle impact (passive safety), according to EN 12767:2019	Class/value/description
Columns with luminary height 6.0 m	50 HE C S NS BD 0
Columns with luminary height 8.0 - 12.0 m	100 HE D S NS BD 1

Durability	Class/value/description
Resistance to corrosion, column	Steel - Hot dip galvanized, acc. to EN-ISO 1461