

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: Steel lighting columns Vikørsta RO

placed on the market under the name or trademark of

Vikørsta 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 2010-04-29 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 on our website.

Martin Tillander
Director Product Certification

Certificate 0402-CPR- SC0346-09 | issue 5 | 2021-12-14

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Specification

Description of the product and configuration

| Product | Description | |
|---|--|----------------|
| Column types | - Cylindrical column with constant diameter - Stepped column with variable diameter - Conical column | |
| Pole height | 2.0 – 12.0 m | 12.0 – 15.0 m |
| Pole diameter, base | max Ø 168.3 mm | max Ø 193.7 mm |
| Material (minimum or equal to) | Steel S235 (column and arm) | |
| Pole material thickness | 2.9 – 5.4 mm | |
| Mounting | Slip base | |
| Service hatch, - opening - reinforcement | - width: 38-150 mm, height: 132-600 mm - none | |
| Bracket projection | max length: 3 m (single) and 2 m (double) | |
| 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 | |

Performance

| Resistance to horizontal loads (according to EN 40-5: 2002 (EN 40-3-1 -- 3: 2013)) | | |
|--|------------------------|------------------------|
| Height of column | 2.0 -12.0 m | 12.0 -15.0 m |
| Type of lantern mounting | Top, Single and double | Top, Single and double |
| Topography factor | 1.00 | 1.00 |
| Terrain category/class | I-IV | I-IV |
| Reference wind velocity (m/s) | 20-36 | 20-36 |
| Load class | A/B | A/B |
| Horizontal deflection class | 1, 2 or 3 | 1, 2 or 3 |

| Performance under vehicle impact (passive safety), according to EN 12767:2019 | Class/value/description |
|--|-------------------------|
| Columns with luminary height 2.0 - 12.0 m | 100 NE B S SE MD 0 |
| Columns with luminary height 12.0 - 15.0 m | 100 NE C S SE MD 0 |

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