

# CERTIFICATE



## Certificate of constancy of performance 0620-CPR-44024/21



Issued 2021-04-07 Replaces 0620-CPR-44024/20  
First issued 2007-12-01 Page 1 of 2

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

### ***Aluminium lighting columns***

Intended for use as road lighting columns for circulation areas  
whereby the scope of construction product(s) is listed on page 2 of this certificate

placed on the market under the name or trademark of

***Nedal Aluminium b.v.***

and produced in the manufacturing plant

***Utrecht***

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard  
**EN 40-6:2002**

under system 1 for the performances 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 1 December 2007 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Publication of this certificate is allowed.

Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.

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# Certificate of constancy of performance

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## Aluminium lighting columns

### Construction products

Aluminium lighting columns intended for use as road lighting columns for circulation areas according to EN 40-6: 2002 annex ZA.1 as indicated in the table below and for which at least one of the essential characteristics is declared as specified in the paragraph below.

The aluminium lighting columns may be:

- 1) Stepped, conical or cylindrical aluminium without or with single or double bracket;
- 2) With root section and or flange plate;
- 3) Equipped with 0 or more doors. The doors can be with the dimensions as be given in EN 40-6 and equipped with expanded inner reinforcement tube (reinforced door opening according to EN40-3-3 type 5);
- 4) installed with ALC MK3 Hinge above door with an maximum base capacity of 25,3 kN and a maximum Hinge capacity of 13,6 kN.

| Product name   | Description  | Types   |
|----------------|--|---|
| Boulevard      | Conical straight Column  | universal (straight) extension spigot<br>single extension spigot<br>multiple extension spigot |
| Avenue         | Stepped straight Column  | universal (straight) extension spigot<br>single extension spigot<br>multiple extension spigot |
| Faubourg       | Cylindrical straight Column  | universal (straight) extension spigot<br>single extension spigot<br>multiple extension spigot |
| Plaza          | Conical Column with bracket (Conical hockeystick column)             | standard<br>conical bent model  |
| Promenade      | Stepped Column with bracket (Stepped hockeystick column)             |   |
| Special        | Combination of above mentioned types, satisfying EN40 requirements   |   |
| Hinged columns | Seamless conical and stepped columns with ALC 3 MK 3 Hinge installed |   |

### Essential characteristics

#### Resistance to horizontal loads

The aluminium lighting columns within the scope of this certificate are designed to sustain safely the horizontal loads specified in EN 40-3-1 which is verified by calculation in accordance with EN 40-3-3.

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

For the aluminium lighting columns which fall within the range of the table below the performance class (passive safety code) is determined.

These aluminium lighting columns may be:

- 1) Stepped, conical or cylindrical aluminium without or with single or double bracket;
- 2) With root section (no flange plate) except when indicated otherwise;
- 3) Equipped with 0 or more doors. The doors can be with the dimensions as be given in EN 40-6 and equipped with expanded inner reinforcement tube (reinforced door opening according to EN40-3-3 type 5) except when indicated otherwise;
- 4) installed with ALC MK3 Hinge above door with an maximum base capacity of 25,26 kN and a maximum Hinge capacity of 13,6 kN.

| Passive safety code<br>EN 12767: 2019                        | Passive safety code<br>EN 12767: 2007 | Range light source<br>height<br>[m] | Max. bracket<br>projection<br>[m] <sup>2</sup> | Max. bending<br>capacity at ground<br>level [kNm] | Backfill type /<br>special installations                    | Other<br>characteristics                              |
|--|---------------------------------------|-------------------------------------|--|---|---|---|
| 50-NE-B-S-SE-MD-0<br>70-NE-B-S-SE-MD-0<br>100-NE-B-S-SE-MD-0 | 100-NE-3                              | 2 - 5,4                             | 1,25   | 7,46  | S   |   |
| 50-NE-B-X-SE-MD-0<br>70-NE-B-X-SE-MD-0<br>100-NE-B-X-SE-MD-0 | 70-NE-3<br>100-NE-3                   | 2 - 10                              | 2  | 29,91   | A   | With shear-on<br>construction                         |
| 50-NE-C-S-SE-MD-0<br>70-NE-C-S-SE-MD-0<br>100-NE-C-S-SE-MD-0 | 100-NE-2                              | 2 - 10                              | 1,75   | 9,85  | S   | HDPE root section                                     |
| 100-NE-C-S-SE-MD-1   | 100-NE-2                              | 2 - 12                              | 2  | 14,83   | S   | HDPE root section                                     |
| 100-NE-C-S-SE-MD-0   | 100-NE-2                              | 2 - 12,4                            | 1,5  | 18,70   | S   |   |
| 50-NE-C-R-SE-MD-0<br>70-NE-C-R-SE-MD-0<br>100-NE-C-R-SE-MD-0 | 100-NE-2                              | 2 - 18,1                            | 1,5  | 29,91   | S   | Fixed flange plate<br>with break bolts                |
| 50-NE-C-R-SE-MD-0<br>70-NE-C-R-SE-MD-0<br>100-NE-C-R-SE-MD-0 | 70-NE-2<br>100-NE-2                   | 2 - 9                               | 0,5  | 9,27  | R - Installed 200<br>mm below ground<br>level on rigid base |   |
| 100-NE-D-S-SE-MD-NR  | 100-NE-1                              | 2 - 10                              | 1,25   | 33,56   | S   | With elongated<br>inner tube below<br>ground level    |
| 100-LE-C-S-SE-BD-0   | 100-LE-3                              | 10                                  | 1,25   | 18,70   | S - fixed at least<br>1,7 m below ground<br>level           | Special elongated<br>inner tube above<br>ground level |
| 100-LE-D-S-SE-BD-0   | 100-LE-2                              | 8 - 12,4                            | 1,25   | 18,70   | S - fixed at least<br>1,7 m below ground<br>level           | Special elongated<br>inner tube above<br>ground level |