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|  | KH15TO27-89 (C315K+TO27-89-1500) | | Page 1/1 |
| | 4608037 | | 12.5.2022 |
| created: | JA | Note: | |
| approved: | Jl | | |

DECLARATION OF PERFORMANCE

- Unique identification code of the Product:** KH15TO27-89 (C315K+TO27-89-1500) 4608037
- Description of Product:** *Tehomet lighting columns*
- Intended using or uses of the construction:** *Construction and modernization of roads, streets, parks*
- Name and contact address of the manufacturer:** *Tehomet Oy, Nikkarintie 4, 51200 Kangasniemi, Finland, +358 15 337 7770*
- Assessment system and verification of constancy of performance of the construction product:** 1
- Notified Body:** *Inspecta Sertifiointi Oy, number 0416 performed determination of the product-type, initial inspection of the manufacturing plant and of factory production plant, continuous surveillance, assessment and evaluation of factory production control under system 1 and issued EC-Certificate of Conformity nr. 0416-CPR-3611-04 under EN 40-5:2002*

7. Declared performances:

| <i>Essential characteristics</i> | <i>Performance</i> | <i>Harmonised technical specification</i> |
|---|--|---|
| <i>Performance under vehicle impact</i> | <i>Class 0</i> | <i>EN40-5:2002</i> |
| <i>Corrosion protection</i> | <i>Hot dip galvanizing EN ISO 1461</i> | |

8. Resistance to wind loads [m²]:

Weight of luminaire 100kg, deflection class 2

| Terrain category | | CAT1 | | CAT2 | | CAT3 | |
|---------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Partial load factor | | A | B | A | B | A | B |
| wind | 21m/s | 0,42 m ² | 0,46 m ² | 0,59 m ² | 0,62 m ² | 0,96 m ² | 0,97 m ² |
| | 22m/s | 0,33 m ² | 0,37 m ² | 0,48 m ² | 0,52 m ² | 0,8 m ² | 0,82 m ² |
| | 23m/s | 0,25 m ² | 0,29 m ² | 0,39 m ² | 0,43 m ² | 0,67 m ² | 0,7 m ² |
| | 24m/s | 0,18 m ² | 0,23 m ² | 0,31 m ² | 0,35 m ² | 0,56 m ² | 0,59 m ² |
| | 25m/s | 0,12 m ² | 0,17 m ² | 0,24 m ² | 0,28 m ² | 0,46 m ² | 0,5 m ² |
| | 26m/s | 0,07 m ² | 0,12 m ² | 0,18 m ² | 0,22 m ² | 0,38 m ² | 0,42 m ² |
| | 27m/s | 0,02 m ² | 0,08 m ² | 0,12 m ² | 0,17 m ² | 0,31 m ² | 0,35 m ² |
| | 28m/s | 0 m ² | 0,04 m ² | 0,07 m ² | 0,12 m ² | 0,24 m ² | 0,29 m ² |
| | 29m/s | 0 m ² | 0 m ² | 0,02 m ² | 0,08 m ² | 0,19 m ² | 0,24 m ² |
| | 30m/s | 0 m ² | 0 m ² | 0 m ² | 0,05 m ² | 0,14 m ² | 0,19 m ² |

Maximum base load:

M= 38,6 kNm

F= 3,9 kN

(Moment and shear at ground level)

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

Signed for and on behalf of the manufacturer by:

Joonas Innanen, Product Development and Engineering Manager



12.5.2022

Kangasniemi