

|                                                                                  |    |              |           |
|----------------------------------------------------------------------------------|----|--------------|-----------|
|  |    | H14TO15      | Page 1/1  |
|                                                                                  |    | 4608496      | 12.5.2022 |
| created:                                                                         | JA | <b>Note:</b> |           |
| approved:                                                                        | Jl |              |           |

## DECLARATION OF PERFORMANCE

- Unique identification code of the Product:** H14TO15 4608496
- 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<br/>EN ISO 1461</i> |                                           |

### 8. Resistance to wind loads [m<sup>2</sup>]:

*Weight of luminaire 60kg, deflection class 2*

| Terrain category    |       | CAT1                |                     | CAT2                |                     | CAT3                |                     |
|---------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Partial load factor |       | A                   | B                   | A                   | B                   | A                   | B                   |
| wind                | 21m/s | 1,14 m <sup>2</sup> | 1,38 m <sup>2</sup> | 1,36 m <sup>2</sup> | 1,65 m <sup>2</sup> | 1,81 m <sup>2</sup> | 2,18 m <sup>2</sup> |
|                     | 22m/s | 1,01 m <sup>2</sup> | 1,24 m <sup>2</sup> | 1,21 m <sup>2</sup> | 1,48 m <sup>2</sup> | 1,62 m <sup>2</sup> | 1,96 m <sup>2</sup> |
|                     | 23m/s | 0,9 m <sup>2</sup>  | 1,11 m <sup>2</sup> | 1,09 m <sup>2</sup> | 1,33 m <sup>2</sup> | 1,46 m <sup>2</sup> | 1,76 m <sup>2</sup> |
|                     | 24m/s | 0,82 m <sup>2</sup> | 1 m <sup>2</sup>    | 0,98 m <sup>2</sup> | 1,2 m <sup>2</sup>  | 1,32 m <sup>2</sup> | 1,6 m <sup>2</sup>  |
|                     | 25m/s | 0,73 m <sup>2</sup> | 0,91 m <sup>2</sup> | 0,89 m <sup>2</sup> | 1,08 m <sup>2</sup> | 1,2 m <sup>2</sup>  | 1,45 m <sup>2</sup> |
|                     | 26m/s | 0,66 m <sup>2</sup> | 0,82 m <sup>2</sup> | 0,8 m <sup>2</sup>  | 0,99 m <sup>2</sup> | 1,08 m <sup>2</sup> | 1,33 m <sup>2</sup> |
|                     | 27m/s | 0,6 m <sup>2</sup>  | 0,75 m <sup>2</sup> | 0,73 m <sup>2</sup> | 0,9 m <sup>2</sup>  | 0,99 m <sup>2</sup> | 1,21 m <sup>2</sup> |
|                     | 28m/s | 0,55 m <sup>2</sup> | 0,69 m <sup>2</sup> | 0,66 m <sup>2</sup> | 0,82 m <sup>2</sup> | 0,9 m <sup>2</sup>  | 1,11 m <sup>2</sup> |
|                     | 29m/s | 0,5 m <sup>2</sup>  | 0,63 m <sup>2</sup> | 0,6 m <sup>2</sup>  | 0,76 m <sup>2</sup> | 0,83 m <sup>2</sup> | 1,01 m <sup>2</sup> |
|                     | 30m/s | 0,46 m <sup>2</sup> | 0,58 m <sup>2</sup> | 0,55 m <sup>2</sup> | 0,69 m <sup>2</sup> | 0,76 m <sup>2</sup> | 0,94 m <sup>2</sup> |

**Maximum base load:**

M= 47,2 kNm

F= 5 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

