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	4608025		12.5.2022
created:	JA	<b>Note:</b>	
approved:	Jl		

## DECLARATION OF PERFORMANCE

- Unique identification code of the Product:** KH12TO27-89 (C312K+TO27-89-1500) 4608025
- 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 [m<sup>2</sup>]:

*Weight of luminaire 100kg, deflection class 2*

Terrain category		CAT1		CAT2		CAT3	
Partial load factor		A	B	A	B	A	B
wind	21m/s	0,46 m <sup>2</sup>	0,67 m <sup>2</sup>	0,65 m <sup>2</sup>	0,89 m <sup>2</sup>	1,06 m <sup>2</sup>	1,34 m <sup>2</sup>
	22m/s	0,37 m <sup>2</sup>	0,56 m <sup>2</sup>	0,53 m <sup>2</sup>	0,76 m <sup>2</sup>	0,89 m <sup>2</sup>	1,16 m <sup>2</sup>
	23m/s	0,29 m <sup>2</sup>	0,48 m <sup>2</sup>	0,44 m <sup>2</sup>	0,65 m <sup>2</sup>	0,76 m <sup>2</sup>	1,01 m <sup>2</sup>
	24m/s	0,23 m <sup>2</sup>	0,39 m <sup>2</sup>	0,36 m <sup>2</sup>	0,55 m <sup>2</sup>	0,64 m <sup>2</sup>	0,87 m <sup>2</sup>
	25m/s	0,17 m <sup>2</sup>	0,32 m <sup>2</sup>	0,29 m <sup>2</sup>	0,46 m <sup>2</sup>	0,54 m <sup>2</sup>	0,76 m <sup>2</sup>
	26m/s	0,12 m <sup>2</sup>	0,26 m <sup>2</sup>	0,23 m <sup>2</sup>	0,39 m <sup>2</sup>	0,46 m <sup>2</sup>	0,66 m <sup>2</sup>
	27m/s	0,08 m <sup>2</sup>	0,21 m <sup>2</sup>	0,18 m <sup>2</sup>	0,33 m <sup>2</sup>	0,38 m <sup>2</sup>	0,58 m <sup>2</sup>
	28m/s	0,04 m <sup>2</sup>	0,16 m <sup>2</sup>	0,13 m <sup>2</sup>	0,27 m <sup>2</sup>	0,32 m <sup>2</sup>	0,5 m <sup>2</sup>
	29m/s	0,01 m <sup>2</sup>	0,12 m <sup>2</sup>	0,09 m <sup>2</sup>	0,22 m <sup>2</sup>	0,26 m <sup>2</sup>	0,43 m <sup>2</sup>
	30m/s	0 m <sup>2</sup>	0,08 m <sup>2</sup>	0,05 m <sup>2</sup>	0,18 m <sup>2</sup>	0,21 m <sup>2</sup>	0,36 m <sup>2</sup>

**Maximum base load:**

M= 28 kNm

F= 3,4 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