

	KH18TO15-89 (KH18+TO15-89-1000)		Page 1/1
	4608038		12.5.2022
created:	JA	Note:	
approved:	Jl		

DECLARATION OF PERFORMANCE

- Unique identification code of the Product:** KH18TO15-89 (KH18+TO15-89-1000) 4608038
- 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 60kg, deflection class 2

Terrain category		CAT1		CAT2		CAT3	
Partial load factor		A	B	A	B	A	B
wind	21m/s	0,59 m ²	0,59 m ²	0,75 m ²	0,75 m ²	1,06 m ²	1,06 m ²
	22m/s	0,5 m ²	0,5 m ²	0,65 m ²	0,64 m ²	0,92 m ²	0,91 m ²
	23m/s	0,43 m ²	0,42 m ²	0,55 m ²	0,55 m ²	0,8 m ²	0,79 m ²
	24m/s	0,36 m ²	0,36 m ²	0,48 m ²	0,47 m ²	0,7 m ²	0,69 m ²
	25m/s	0,3 m ²	0,3 m ²	0,41 m ²	0,41 m ²	0,61 m ²	0,6 m ²
	26m/s	0,25 m ²	0,25 m ²	0,35 m ²	0,34 m ²	0,53 m ²	0,53 m ²
	27m/s	0,2 m ²	0,2 m ²	0,29 m ²	0,29 m ²	0,46 m ²	0,46 m ²
	28m/s	0,16 m ²	0,16 m ²	0,25 m ²	0,24 m ²	0,41 m ²	0,4 m ²
	29m/s	0,12 m ²	0,12 m ²	0,2 m ²	0,2 m ²	0,35 m ²	0,35 m ²
	30m/s	0,09 m ²	0,09 m ²	0,16 m ²	0,16 m ²	0,3 m ²	0,3 m ²

Maximum base load:

M= 55,5 kNm

F= 5,4 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