

## **DECLARATION OF PERFORMANCE**

### **No.: DOP/1017/CPR/0009**

**1. Unique identification code of the product:**

LED Traffic Signal (200 and 300) LED SIGNAL HEAD TRAFFIC STANDARD

**2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):**

TRAFFIC STANDARD 230 V AC, R/Y/G

**3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:**

EN 12368:2007 Traffic control equipment - Signal heads

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):**

SPINNEA Sp. z o.o., Opolska street 8, PL-46-024 Masów, Poland

**5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):**

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**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

System 1+/1

**7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:**

Elektrotechnický Zkušební Ústav, Pod Lisem 129, 171 02 Praha 8 – Troja, Czech Republic, Notified body No. 1014 under system 1+/1 for the performances set out in certificate number 1014-CPR-0004 are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product. The test results are stated in the test-report No.: 502756-01/01 of: 30.10.2015, 502756-01/02 of: 30.10.2015, 502756-01/03 of: 30.10.2015, 502756-01/04 of: 30.10.2015, 502756-01/05 of: 30.10.2015, 502756-01/06 of: 30.10.2015,

**8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

## 9. Declared performance:

Essential characteristics	Performance	Harmonized technical specification
<b>General</b>	Pass	EN12368:2007 – 4.1
<b>Ingress protection</b>	IP55 (IP65 LED module)	EN12368:2007 – 4.2
<b>Environmental – temperature range</b>	A, B, C +60 °C to -40°C	EN12368:2007 – 5.1
<b>EMC</b>	See test report 502756-01/02	EN12368:2007 – 5.2 EN 50293
<b>Optical requirements – general</b>	Without additional devices	EN12368:2007 – 6.1
<b>Diameter of signal lights</b>	200mm and 300mm ±10%	EN12368:2007 – 6.2
<b>Luminous Intensities</b>	A 3/1, B3/2	EN12368:2007 – 6.3
<b>Distribution of luminous intensities</b>	M,N (A3/1), W (B3/2)	EN12368:2007 – 6.4
<b>Luminance uniformity</b>	≥1:10 (types W, M) and ≥1:15 (type N)	EN12368:2007 – 6.5
<b>Maximum phantom signal</b>	Class 5	EN12368:2007 – 6.6
<b>Colours of signal lights</b>	Red, yellow and green	EN12368:2007 – 6.7
<b>Signal lights with symbols</b>	S1	EN12368:2007 – 6.8
<b>Background screen of signal lights</b>	C1, C2, C3, and C4	EN12368:2007 – 6.9
<b>Impact resistance</b>	IR3 (IR3 LED module)	EN12368:2007 - 7
<b>Marking and labelling</b>		
<b>Input voltage</b>	196-253 V AC	EN12368:2007 – 10.1
<b>Power consumption</b>	0,04A	
<b>Frequency</b>	50 Hz	
<b>Light source</b>	LED	EN12368:2007 – 10.2
<b>Dimm mode</b>	D1	EN12368:2015 – 6.3
<b>Dimm mode Input voltage</b>	150-170 V AC	
<b>Dimm mode power consumption</b>	0,03A	

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

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**MASÓW 2023-11-08**

Tomasz Górka, Company Manager

