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Tarmetec OÜ  
Ringtee 6  
EE-501 05 Tartu  
Estland

## Assessment of lamp holders according to TSFS 2017:10

(11 appendices)

### Note

Rev 1. This assessment has been revised 2021-06-09, with 3 new vehicles that have been evaluated. The list of products has been added with new vehicles and vehicle models (Appendix 1), new mounting instructions have been added (Appendix 8-10) and new three drawing placements has been added in (Appendix 11).

### Summary

Review of lamp holders has been performed according to the requirements in Swedish Transport Agency's regulation TSFS 2017:10 Appendix 1, Section 49 – Projecting parts of cab, and with reference to directive 92/114/EC and ECE Regulation 61. The review shows no deviation from the above mentioned requirements.

## 1 Assignment

Review of lamp holders for motor vehicles class N<sub>2</sub> and N<sub>3</sub> (truck over 3.5 tonnes) according to TSFS 2017:10 Appendix 1, Section 49 – Projecting parts of cab.

Client: Tarmetec Ltd in Tartu, Estonia.

## 2 Product

The products are intended for mounting on motor vehicle with weight over 3.5 tonnes, and are listed in appendix 1.

Material: Tube made of AISI 304 stainless steel, diameter 70 mm

Manufacturer: Tarmetec Ltd, Tartu, Estonia

The drawing of lamp holders are provided in appendix 2, and instructions for mounting on different vehicles are presented in appendices 3-10. The placement of the products on the corresponding vehicles is included in appendix 11.

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### 3 Method

Review of the geometry and radius of the products has been performed according to the following table.

| Directive/Regulation | Section  |
|----------------------|--|
| Directive 92/114/EC  | 3 – General requirements<br>4.5 – Protective devices (bumpers)   |
| ECE Regulation 61    | 5 – General specifications<br>6.5 – Protective devices (bumpers) |

### 4 Assessment

According to our review, the above mentioned types of holders intended for mounting on motor vehicles with weight over 3.5 tonnes, do not deviate from the requirements in TSFS 2017:10 Appendix 1, Section 49 – Projecting parts of cab.

This assessment shall be attached to the client's confirmation, and shall follow the delivery of each product.

#### **RISE Research Institutes of Sweden AB** **Department Applied Mechanics, RISE AB - Transport and Product Safety**

Performed by

Examined by



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#### **Appendices**

*Appendix 1* – List of the products and the corresponding vehicles, document No. MTRI03022021\_Add1

*Appendix 2* – Drawing of the following products 888581 (dated 2019-08-15), 888582 (dated 2019-08-15), 88583 (dated 2019-08-15) and 888584 (dated 2019-08-15)

*Appendix 3* – Mounting instruction Art. 850235, dated 2019-09-08

*Appendix 4* – Mounting instruction Art. 856565, dated 2019-08-20

*Appendix 5* – Mounting instruction Art. 862274, dated 2019-10-19

*Appendix 6* – Mounting instruction Art. 864506, dated 2019-08-17

*Appendix 7* – Mounting instruction Art.868659, dated 2019-10-10

*Appendix 8* – Mounting instruction Art. 852131, 852132-LED, 852133 (with strobes) dated 2020-04-01

*Appendix 9* – Mounting instruction Art. 854670, dated 2020-09-18

*Appendix 10* – Mounting instruction Art.868677 dated 2020-12-07

*Appendix 11* – Drawing of placement of products in relation to different types of vehicles document no. MTRI29092019 Add 8-1, MTRI29092019 Add 8-2, MTRI29092019 Add 8-3, MTRI29092019 Add 8-4, MTRI29092019 Add 8-5, MTRI03022021 Add 7-1, MTRI03022021 Add 7-2 and MTRI03022021 Add 7-3.

Appendix 1

MTRI03022021\_add1

| Product code primary | Product name                        | Product code secondary | ingredient I | ingredient II | Vehicle make    | Vehicle model     | year - | - year | remarks         |
|----------------------|-------------------------------------|------------------------|--------------|---------------|-----------------|-------------------|--------|--------|-----------------|
| 850236               | Lamp holder "City" with LED marker  | 888581+850235          | 888581       | 850235        | DAF             | XF Euro6          | 17     |        | origin          |
| 850237               | Lamp holder "City" with LED flasher | 888582+850235          | 888582       | 850235        | DAF             | XF Euro6          | 17     |        | origin          |
| 850238               | Lamp holder "City" with LED flasher | 888583+850235          | 888583       | 850235        | DAF             | XF Euro6          | 17     |        | origin          |
| 850239               | Lamp holder "City" with LED bar     | 888584+850235          | 888584       | 850235        | DAF             | XF Euro6          | 17     |        | origin          |
| 856560               | Lamp holder "City"                  | 888581+856565          | 888581       | 856565        | MERCEDES - BENZ | ACTROS            | 11     |        | origin          |
| 856561               | Lamp holder "City" with LED marker  | 888582+856565          | 888582       | 856565        | MERCEDES - BENZ | ACTROS            | 11     |        | origin          |
| 856562               | Lamp holder "City" with LED flasher | 888583+856565          | 888583       | 856565        | MERCEDES - BENZ | ACTROS            | 11     |        | origin          |
| 856563               | Lamp holder "City" with LED bar     | 888584+856565          | 888584       | 856565        | MERCEDES - BENZ | ACTROS            | 11     |        | origin          |
| 862275               | Lamp holder "City"                  | 888581+862274          | 888581       | 862274        | RENAULT         | T serie           | 14     |        | origin          |
| 862276               | Lamp holder "City" with LED marker  | 888582+862274          | 888582       | 862274        | RENAULT         | T serie           | 14     |        | origin          |
| 862277               | Lamp holder "City" with LED flasher | 888583+862274          | 888583       | 862274        | RENAULT         | T serie           | 14     |        | origin          |
| 862278               | Lamp holder "City" with LED bar     | 888584+862274          | 888584       | 862274        | RENAULT         | T serie           | 14     |        | origin          |
| 864516               | Lamp holder "City"                  | 888581+864506          | 888581       | 864506        | SCANIA          | P-,G-,R-,S- Serie | 16     |        | origin          |
| 864517               | Lamp holder "City" with LED marker  | 888582+864506          | 888582       | 864506        | SCANIA          | P-,G-,R-,S- Serie | 16     |        | origin          |
| 864518               | Lamp holder "City" with LED flasher | 888583+864506          | 888583       | 864506        | SCANIA          | P-,G-,R-,S- Serie | 16     |        | origin          |
| 864519               | Lamp holder "City" with LED bar     | 888584+864506          | 888584       | 864506        | SCANIA          | P-,G-,R-,S- Serie | 16     |        | origin          |
| 868670               | Lamp holder "City"                  | 888581+868659          | 888581       | 868659        | VOLVO           | FH                | 13     |        | origin          |
| 868671               | Lamp holder "City" with LED marker  | 888582+868659          | 888582       | 868659        | VOLVO           | FH                | 13     |        | origin          |
| 868672               | Lamp holder "City" with LED flasher | 888583+868659          | 888583       | 868659        | VOLVO           | FH                | 13     |        | origin          |
| 868673               | Lamp holder "City" with LED bar     | 888584+868659          | 888584       | 868659        | VOLVO           | FH                | 13     |        | origin          |
| 852131               | Lamp holder "City"                  | 888581+852130          | 888581       | 852130        | IVECO           | S-WAY             | 19     |        | exten. 03022021 |
| 852132               | Lamp holder "City" with LED marker  | 888582+852130          | 888582       | 852130        | IVECO           | S-WAY             | 19     |        | exten. 03022021 |
| 852133               | Lamp holder "City" with LED flasher | 888583+852130          | 888583       | 852130        | IVECO           | S-WAY             | 19     |        | exten. 03022021 |
| 852134               | Lamp holder "City" with LED bar     | 888584+852130          | 888584       | 852130        | IVECO           | S-WAY             | 19     |        | exten. 03022021 |
| 854671               | Lamp holder "City"                  | 888581+854670          | 888581       | 854670        | MAN             | TGX               | 20     |        | exten. 03022021 |
| 854672               | Lamp holder "City" with LED marker  | 888582+854670          | 888582       | 854670        | MAN             | TGX               | 20     |        | exten. 03022021 |
| 854673               | Lamp holder "City" with LED flasher | 888583+854670          | 888583       | 854670        | MAN             | TGX               | 20     |        | exten. 03022021 |
| 854674               | Lamp holder "City" with LED bar     | 888584+854670          | 888584       | 854670        | MAN             | TGX               | 20     |        | exten. 03022021 |
| 868681               | Lamp holder "City"                  | 888581+868677          | 888581       | 868677        | VOLVO           | FM                | 20     |        | exten. 03022021 |
| 868682               | Lamp holder "City" with LED marker  | 888582+868677          | 888582       | 868677        | VOLVO           | FM                | 20     |        | exten. 03022021 |
| 868683               | Lamp holder "City" with LED flasher | 888583+868677          | 888583       | 868677        | VOLVO           | FM                | 20     |        | exten. 03022021 |
| 868684               | Lamp holder "City" with LED bar     | 888584+868677          | 888584       | 868677        | VOLVO           | FM                | 20     |        | exten. 03022021 |