

ECE TYPE-APPROVAL CERTIFICATE



Communication concerning:

Approval granted
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitively discontinued~~

of a type of ~~front position lamps~~, rear position lamps, stop lamps, ~~direction indicators and rear-registration-plate~~ illuminating devices for mopeds, motor cycles and vehicles treated as such pursuant to Regulation No. 50.

Approval No: **E24*50R00/19*0272*00**

- | | | |
|----|---|---|
| 1. | Trade name or mark of the device: | <i>CD</i> |
| 2. | Manufacturer's name for the type of device: | <i>DOT-TAIL-RED-LP-WIN</i> |
| | Variant(s): | <i>Variant 1: DOT-TAIL-RED-LP-WIN;
Variant 2: DOT-TAIL-RED-LP-NW</i> |
| 3. | Manufacturer's name and address: | <i>Shanghai Jason Plastic Co., Ltd.
B3, No. 108, Pengfeng Road, Malu Town,
Jiading District, Shanghai, China</i> |
| 4. | If applicable, name and address of manufacturer's representative: | <i>N/A</i> |
| 5. | Submitted for approval on: | <i>21.03.2018</i> |
| 6. | Technical service responsible for conducting approval tests: | <i>TÜV SÜD Auto Service GmbH
Westendstraße 199
D-80686 München</i> |
| 7. | Date of test report issued by that service: | <i>20.03.2018</i> |
| 8. | Number of report issued by that service: | <i>18-00405-CX-SHA-00</i> |

Approval No: **E24*50R00/19*0272*00**

9. Concise description¹:

By category of lamp:

***Stop lamp, rear position lamp and
license plate lamp***

Colour of light emitted (red/~~white~~/~~amber~~):

***Rear position lamp: Red;
Stop lamp: Red;
License plate lamp: Colorless***

Number and category(ies) of light source(s):

***Rear position lamp: 10*LEDs
Stop lamp: 25*LEDs
License plate lamp: 5*LEDs***

Light source module: ~~yes~~/no²

No

Light source module specific identification code:

N/A

Geometrical conditions of installation and relating variations, if any:

See manufacturer's information document

Application of an electronic light source control gear/variable intensity control:

(a) Being part of the lamp: ~~yes/no/not applicable~~:

Yes

(b) Being not part of the lamp: ~~yes/no/not applicable~~:

No

Input voltage(s) supplied by an electronic light source control gear/variable intensity control:

12V

Electronic light source control gear/variable intensity control manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body):

N/A

Only for limited mounting height of equal to or less than 750mm above the ground: ~~yes~~/no²

No

Function(s) produced by an interdependent lamp forming part of an interdependent lamp system:

Front position lamp: ~~yes~~/no²

No

Rear position lamp: ~~yes~~/no²

No

Stop lamp: ~~yes~~/no²


No

Sequential activation of light sources
(see paragraph 6.8. of this Regulation): ~~yes~~/no²

N/A

¹ For the purpose of this Regulation "being part of the lamp" means to be physically included in the lamp body or to be external, separated or not, but supplied by the lamp manufacturer as part of the lamp system. The functioning and installation conditions of these additional systems will be defined by special provisions."

Approval No: **E24*50R00/19*0272*00**

10. Position of the approval mark: ***On the lens***
11. Reason(s) for extension (if applicable): ***N/A***
12. Approval granted/~~extended/refused/withdrawn~~: ***Granted***
13. Place: ***Dublin***
14. Date: ***02nd May, 2018***
15. Signature: 



16. The list of documents deposited with the Administrative Service which has granted approval, is annexed and may be obtained on request.

Approval No: **E24*50R00/19*0272*00**

Index to the Information Package

Date of issue: ***02nd May, 2018***

Date of latest amendment: ***N/A***

Reason for extension/revision: ***N/A***

1. Additional conditions, and advisory notes on legal alternatives.

2. Test report(s)

- numbers(s): ***18-00405-CX-SHA-00***

- date of issue: ***20.03.2018***

- date of latest amendment: ***N/A***

3. Information document

- number(s): ***DOT-TAIL-RED-LP-WIN-00***

- date of issue: ***02.02.2018***

- date of latest amendment: ***N/A***

Documentation: ***24 pages***

Approval No: E24*50R00/19*0272*00

Appendix: **Additional conditions, and advisory notes on legal alternatives.**

A: Additional conditions:

1. The device, type *DOT-TAIL-RED-LP-WIN*, shall be marked as prescribed in the regulation.
2. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
3. Each individual product from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
4. Changes in the product are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
5. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type of product no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
6. NSAI may at any time check the correct performance of the duties imposed by the grant of this Type Approval, and in order to do so, may make tests, or have tests made.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to the NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the vehicle, system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B : Legal Options

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 1 / 17

TECHNICAL REPORT

No.: 18-00405-CX-SHA-00

Test according to ECE regulation relating to
Stop lamp, rear position lamp and license plate lamp

ECE Regulation No.: 50

supplement 19 to the 00 series of amendments

Approvals granted up to now		
ECE	Number of approval	Date
	---	---

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 2 / 17

I. Technical description

- | | | | |
|--------|--|---|---|
| 0.1. | Make (trade name of manufacturer) | : | CD |
| 0.2. | Type | : | DOT-TAIL-RED-LP-WIN |
| 0.2.1. | Variants | : | Variant 1: DOT-TAIL-RED-LP-WIN;
Variant 2: DOT-TAIL-RED-LP-NW |
| 0.3. | Means of identification of type | : | By digits and letters |
| 0.4. | Concise description | | |
| | By category of lamp | : | Stop lamp, rear position lamp and license plate lamp |
| | Number and category(ies) of light source(s) | : | Rear position lamp: 10*LEDs
Stop lamp: 25*LEDs
License plate lamp: 5*LEDs |
| | Colour of light emitted | : | Rear position lamp: Red;
Stop lamp: Red;
License plate lamp: Colorless |
| | Light source module | : | No |
| | Light source module specific identification code | : | N/A |
| | Geometrical conditions of installation and relating variations, if any | : | See manufacturer's information document |
| | Application of an electronic light source control gear/variable intensity control | | |
| | Being part of the lamp | : | Yes |
| | Being not part of the lamp | : | No |
| | Input voltage(s) supplied by an electronic light source control gear/variable intensity control | : | 12V |
| | Electronic light source control gear/variable intensity control manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body) | : | N/A |

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 3 / 17

Only for limited mounting height of : No
equal to or less than 750 mm above
the ground

Function(s) produced by an interdependent lamp forming part of an interdependent
lamp system:

Front position lamp : No
Rear position lamp : No
Stop lamp : No
Sequential activation of light sources : N/A
(see paragraph 6.8. of this Regulation)

- 0.5. Name and address of manufacturer : Shanghai Jason Plastic Co., Ltd.
B3, No. 108, Pengfeng Road, Malu Town,
Jiading District, Shanghai, China
- 0.8. Address of assembly plant : See 0.5.
- 0.9. Location of the approval mark : On the lens
- 0.10. If applicable, name and address of the : N/A
manufacturer's representative

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 4 / 17

II. Test record

1. Test conditions

- 1.1. Technical data of the test samples : Two samples were tested.
Sample No. 1, left side mounting.
Sample No. 2, right side mounting.
For information about the form of the lamp, the position of the reference point and the reference axis, see information document.
- 1.2. Test procedures used : According to ECE Regulation No.: 50.00.
- 1.3. Measuring and test equipment : Full automatic photometric test system for automobile lamps
EVERFINE PHOTO-E-INFO CO.,LTD
Type GO-HD5

2. Test results

2.1. General Specifications

The devices have been designed and constructed that in normal conditions of use, and notwithstanding the vibrations to which they may be subjected in such use, their satisfactory operation remains assured and they retain the characteristics prescribed by this Regulation.

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 5 / 17

2.2. Intensity of light emitted

2.2.1. Rear position lamp

2.2.1.1. Sample No. 1, normal mode, 10*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	0.80	17.00	5.44	6.20	Complies
2	5R	10U	0.80	17.00	5.61	6.40	Complies
3	20R	5U	0.40	17.00	5.15	5.87	Complies
4	10R	5U	0.80	17.00	5.63	6.42	Complies
5	H	5U	2.80	17.00	6.07	6.92	Complies
6	10L	5U	0.80	17.00	5.35	6.10	Complies
7	20L	5U	0.40	17.00	4.94	5.63	Complies
8	10L	V	1.40	17.00	5.18	5.91	Complies
9	5L	V	3.60	17.00	7.88	8.99	Complies
10	H	V	4.00	17.00	8.25	9.41	Complies
11	5R	V	3.60	17.00	8.04	9.17	Complies
12	10R	V	1.40	17.00	5.59	6.38	Complies
13	20R	5D	0.40	17.00	5.05	5.76	Complies
14	10R	5D	0.80	17.00	5.76	6.57	Complies
15	H	5D	2.80	17.00	6.28	7.16	Complies
16	10L	5D	0.80	17.00	5.59	6.38	Complies
17	20L	5D	0.40	17.00	4.8	5.47	Complies
18	5L	10D	0.80	17.00	5.83	6.65	Complies
19	5R	10D	0.80	17.00	6.05	6.90	Complies
20	All Directions Min.		0.05	---	0.27	0.31	Complies
21	All Directions Max.		---	17.00	9.24	10.54	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 6 / 17

2.2.1.2. Sample No. 2, normal mode, 10*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	0.80	17.00	5.91	6.70	Complies
2	5R	10U	0.80	17.00	5.61	6.36	Complies
3	20R	5U	0.40	17.00	5.20	5.89	Complies
4	10R	5U	0.80	17.00	5.84	6.62	Complies
5	H	5U	2.80	17.00	6.19	7.02	Complies
6	10L	5U	0.80	17.00	5.61	6.36	Complies
7	20L	5U	0.40	17.00	5.50	6.23	Complies
8	10L	V	1.40	17.00	5.56	6.30	Complies
9	5L	V	3.60	17.00	8.19	9.28	Complies
10	H	V	4.00	17.00	8.69	9.85	Complies
11	5R	V	3.60	17.00	7.98	9.05	Complies
12	10R	V	1.40	17.00	5.24	5.94	Complies
13	20R	5D	0.40	17.00	5.13	5.81	Complies
14	10R	5D	0.80	17.00	5.57	6.31	Complies
15	H	5D	2.80	17.00	6.30	7.14	Complies
16	10L	5D	0.80	17.00	5.84	6.62	Complies
17	20L	5D	0.40	17.00	5.28	5.98	Complies
18	5L	10D	0.80	17.00	5.88	6.66	Complies
19	5R	10D	0.80	17.00	5.73	6.49	Complies
20	All Directions Min.		0.05	---	0.29	0.33	Complies
21	All Directions Max.		---	17.00	9.69	10.98	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 7 / 17

2.2.1.3. Sample No. 1, failure mode, 5*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	0.80	17.00	2.79	3.40	Complies
2	5R	10U	0.80	17.00	2.90	3.53	Complies
3	20R	5U	0.40	17.00	2.67	3.25	Complies
4	10R	5U	0.80	17.00	2.85	3.47	Complies
5	H	5U	2.80	17.00	3.26	3.97	Complies
6	10L	5U	0.80	17.00	2.77	3.37	Complies
7	20L	5U	0.40	17.00	2.54	3.09	Complies
8	10L	V	1.40	17.00	2.68	3.27	Complies
9	5L	V	3.60	17.00	3.97	4.84	Complies
10	H	V	4.00	17.00	4.26	5.19	Complies
11	5R	V	3.60	17.00	4.01	4.89	Complies
12	10R	V	1.40	17.00	2.84	3.46	Complies
13	20R	5D	0.40	17.00	2.60	3.17	Complies
14	10R	5D	0.80	17.00	2.86	3.48	Complies
15	H	5D	2.80	17.00	3.17	3.86	Complies
16	10L	5D	0.80	17.00	2.84	3.46	Complies
17	20L	5D	0.40	17.00	2.63	3.20	Complies
18	5L	10D	0.80	17.00	2.95	3.59	Complies
19	5R	10D	0.80	17.00	3.24	3.95	Complies
20	All Directions Min.		0.05	---	0.19	0.23	Complies
21	All Directions Max.		---	17.00	5.12	6.24	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 8 / 17

2.2.1.4. Sample No. 2, failure mode, 5*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	0.80	17.00	3.21	3.88	Complies
2	5R	10U	0.80	17.00	2.88	3.48	Complies
3	20R	5U	0.40	17.00	2.73	3.30	Complies
4	10R	5U	0.80	17.00	4.57	5.52	Complies
5	H	5U	2.80	17.00	3.20	3.87	Complies
6	10L	5U	0.80	17.00	2.81	3.40	Complies
7	20L	5U	0.40	17.00	2.78	3.36	Complies
8	10L	V	1.40	17.00	2.86	3.46	Complies
9	5L	V	3.60	17.00	4.21	5.09	Complies
10	H	V	4.00	17.00	4.70	5.68	Complies
11	5R	V	3.60	17.00	4.01	4.85	Complies
12	10R	V	1.40	17.00	2.67	3.23	Complies
13	20R	5D	0.40	17.00	2.58	3.12	Complies
14	10R	5D	0.80	17.00	2.90	3.50	Complies
15	H	5D	2.80	17.00	3.28	3.96	Complies
16	10L	5D	0.80	17.00	2.92	3.53	Complies
17	20L	5D	0.40	17.00	2.65	3.20	Complies
18	5L	10D	0.80	17.00	2.98	3.60	Complies
19	5R	10D	0.80	17.00	5.32	6.43	Complies
20	All Directions Min.		0.05	---	0.17	0.21	Complies
21	All Directions Max.		---	17.00	5.65	6.83	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 9 / 17

2.2.2. Stop lamp

2.2.2.1. Sample No. 1, normal mode, 25*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	8.00	260.00	181.38	188.94	Complies
2	5R	10U	8.00	260.00	178.10	185.52	Complies
3	20R	5U	4.00	260.00	172.36	179.54	Complies
4	10R	5U	8.00	260.00	158.26	164.85	Complies
5	H	5U	28.00	260.00	157.24	163.79	Complies
6	10L	5U	8.00	260.00	161.40	168.12	Complies
7	20L	5U	4.00	260.00	175.82	183.14	Complies
8	10L	V	14.00	260.00	162.14	168.89	Complies
9	5L	V	36.00	260.00	167.61	174.59	Complies
10	H	V	40.00	260.00	169.23	176.28	Complies
11	5R	V	36.00	260.00	166.9	173.85	Complies
12	10R	V	14.00	260.00	165.15	172.03	Complies
13	20R	5D	4.00	260.00	118.46	123.39	Complies
14	10R	5D	8.00	260.00	117.72	122.62	Complies
15	H	5D	28.00	260.00	124.3	129.48	Complies
16	10L	5D	8.00	260.00	115.42	120.23	Complies
17	20L	5D	4.00	260.00	120.47	125.49	Complies
18	5L	10D	8.00	260.00	65.81	68.55	Complies
19	5R	10D	8.00	260.00	74.06	77.15	Complies
20	All Directions Min.		0.30	---	2.18	2.27	Complies
21	All Directions Max.		---	260.00	188.82	196.69	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 10 / 17

2.2.2.2. Sample No. 2, normal mode, 25*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	8.00	260.00	168.85	174.19	Complies
2	5R	10U	8.00	260.00	172.85	178.32	Complies
3	20R	5U	4.00	260.00	170.83	176.24	Complies
4	10R	5U	8.00	260.00	143.64	148.19	Complies
5	H	5U	28.00	260.00	147.61	152.28	Complies
6	10L	5U	8.00	260.00	143.75	148.30	Complies
7	20L	5U	4.00	260.00	159.10	164.13	Complies
8	10L	V	14.00	260.00	166.95	172.23	Complies
9	5L	V	36.00	260.00	173.31	178.79	Complies
10	H	V	40.00	260.00	173.50	178.99	Complies
11	5R	V	36.00	260.00	168.81	174.15	Complies
12	10R	V	14.00	260.00	163.99	169.18	Complies
13	20R	5D	4.00	260.00	128.36	132.42	Complies
14	10R	5D	8.00	260.00	115.20	118.85	Complies
15	H	5D	28.00	260.00	117.00	120.70	Complies
16	10L	5D	8.00	260.00	114.12	117.73	Complies
17	20L	5D	4.00	260.00	132.6	136.80	Complies
18	5L	10D	8.00	260.00	58.48	60.33	Complies
19	5R	10D	8.00	260.00	68.42	70.58	Complies
20	All Directions Min.		0.30	---	2.19	2.26	Complies
21	All Directions Max.		---	260.00	179.28	184.95	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 11 / 17

2.2.2.3. Sample No. 1, failure mode, 12*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	8.00	260.00	101.69	106.98	Complies
2	5R	10U	8.00	260.00	92.57	97.38	Complies
3	20R	5U	4.00	260.00	98.24	103.35	Complies
4	10R	5U	8.00	260.00	83.06	87.38	Complies
5	H	5U	28.00	260.00	82.53	86.82	Complies
6	10L	5U	8.00	260.00	86.25	90.74	Complies
7	20L	5U	4.00	260.00	90.75	95.47	Complies
8	10L	V	14.00	260.00	84.58	88.98	Complies
9	5L	V	36.00	260.00	86.07	90.55	Complies
10	H	V	40.00	260.00	89.21	93.85	Complies
11	5R	V	36.00	260.00	86.09	90.57	Complies
12	10R	V	14.00	260.00	84.42	88.81	Complies
13	20R	5D	4.00	260.00	63.77	67.09	Complies
14	10R	5D	8.00	260.00	62.73	65.99	Complies
15	H	5D	28.00	260.00	66.16	69.60	Complies
16	10L	5D	8.00	260.00	58.24	61.27	Complies
17	20L	5D	4.00	260.00	62.10	65.33	Complies
18	5L	10D	8.00	260.00	33.20	34.93	Complies
19	5R	10D	8.00	260.00	38.03	40.01	Complies
20	All Directions Min.		0.30	---	1.25	1.32	Complies
21	All Directions Max.		---	260.00	106.33	111.86	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 12 / 17

2.2.2.4. Sample No. 2, failure mode, 12*LEDs lit together, test voltage 11.999V.

No.	Point of the measurement		Limits [cd]		Measured values [cd]		Conclusion
			Min.	Max.	30 minutes	1 minute	
1	5L	10U	8.00	260.00	89.16	92.98	Complies
2	5R	10U	8.00	260.00	96.95	101.10	Complies
3	20R	5U	4.00	260.00	89.51	93.35	Complies
4	10R	5U	8.00	260.00	80.96	84.43	Complies
5	H	5U	28.00	260.00	82.54	86.08	Complies
6	10L	5U	8.00	260.00	79.12	82.51	Complies
7	20L	5U	4.00	260.00	80.23	83.67	Complies
8	10L	V	14.00	260.00	89.57	93.41	Complies
9	5L	V	36.00	260.00	96.70	100.84	Complies
10	H	V	40.00	260.00	96.84	100.99	Complies
11	5R	V	36.00	260.00	88.22	92.00	Complies
12	10R	V	14.00	260.00	85.15	88.80	Complies
13	20R	5D	4.00	260.00	67.72	70.62	Complies
14	10R	5D	8.00	260.00	62.29	64.96	Complies
15	H	5D	28.00	260.00	63.30	66.01	Complies
16	10L	5D	8.00	260.00	60.77	63.37	Complies
17	20L	5D	4.00	260.00	68.49	71.43	Complies
18	5L	10D	8.00	260.00	29.59	30.86	Complies
19	5R	10D	8.00	260.00	36.97	38.55	Complies
20	All Directions Min.		0.30	---	1.23	1.28	Complies
21	All Directions Max.		---	260.00	102.29	106.67	Complies

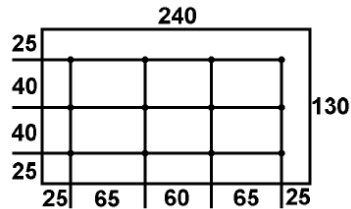
Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 13 / 17

- 2.2.3. The ratio between the luminous intensities actually measured of the two lamps when turned on simultaneously at the intensity of the rear position lamp when turned on alone

No.	Point of the measurement		Limits		Measured values [cd]		Conclusion
			Min.	Max.	Sample No. 1	Sample No. 2	
4	10R	5U	5.00	---	28.87	25.40	Complies
5	V	5U	5.00	---	26.71	24.67	Complies
6	10L	5U	5.00	---	30.95	26.35	Complies
8	10L	H	5.00	---	32.02	30.78	Complies
9	5L	H	5.00	---	22.12	22.02	Complies
10	V	H	5.00	---	21.36	20.83	Complies
11	5R	H	5.00	---	21.57	21.97	Complies
12	10R	H	5.00	---	30.30	31.98	Complies
14	10R	5D	5.00	---	21.22	21.48	Complies
15	V	5D	5.00	---	20.54	19.36	Complies
16	10L	5D	5.00	---	21.44	20.30	Complies

2.2.4. Rear registration plate lamp, category 1 (240 mm x 130 mm)



2.2.4.1. Sample No. 1, test voltage 12.00V, (LUMINANCE $\geq 2.5\text{cd/m}^2$).

Luminance Measurements (B) 1 minute	1	2	3	4
	2.60	3.80	3.70	2.60
	5	6	7	8
	4.20	5.50	5.50	4.00
	9	10	11	12
Luminance Measurements (B) 30 minutes	1	2	3	4
	2.50	3.70	3.60	2.50
	5	6	7	8
	4.00	5.30	5.30	3.80
	9	10	11	12
	5.20	8.90	8.60	4.90

2.2.4.2. Sample No. 2, test voltage 12.00V, (LUMINANCE $\geq 2.5\text{cd/m}^2$).

Luminance Measurements (B) 1 minute	1	2	3	4
	2.70	4.10	4.20	2.60
	5	6	7	8
	4.40	5.70	5.80	4.30
	9	10	11	12
Luminance Measurements (B) 30 minutes	1	2	3	4
	2.60	3.90	4.00	2.50
	5	6	7	8
	4.20	5.50	5.60	4.10
	9	10	11	12
	5.10	9.20	9.00	5.30

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 15 / 17

2.2.4.3. The gradient of the luminance between the values B_1 and B_2

	Sample No. 1	Sample No. 2
Requirement	$\frac{B_2 - B_1}{d_1 - d_2 \text{ (cm)}} \leq 2 \times B_0 / \text{cm}$	
Results	Max. of gradient of luminance=0.90 $2 \times B_0 / \text{cm}=5.00$ Complies	Max. of gradient of luminance=0.93 $2 \times B_0 / \text{cm}=5.00$ Complies
Conclusion	Complies	Complies

2.2.4.4. Incidence of the light

	Sample No. 1	Sample No. 2
Requirement	According to this regulation paragraph 7.	
Results	The angle of incidence of the light on the surface of the plate does not exceed 82° at any point on the surface	
Conclusion	Complies	Complies

2.2.4.5. Colour of the light

	Sample No. 1	Sample No. 2
Requirement	According to this regulation paragraph 6.	
Results	The light of the lamp used in the illuminating device is sufficiently colourless not to cause any appreciable change in the colour of the registration plate.	
Conclusion	Complies	Complies

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 16 / 17

2.3. Colour

2.3.1. Rear position lamp - Red

Sample	Measured values		Limits		Conclusion
	x	y	$y \leq 0.335$	$y \geq 0.980 - x$	
No. 1	0.6853	0.2997	Yes	Yes	Complies
No. 2	0.6859	0.3002	Yes	Yes	Complies

2.3.2. Stop lamp - Red

Sample	Measured values		Limits		Conclusion
	x	y	$y \leq 0.335$	$y \geq 0.980 - x$	
No. 1	0.6869	0.3004	Yes	Yes	Complies
No. 2	0.6876	0.3010	Yes	Yes	Complies

2.4. Apparent surface

2.4.1. Rear position lamp / Stop lamp

Limit (I)	Limit (O)	Limit (U)	Limit (D)
61mm	61mm	41mm	41mm

2.4.2. License plate lamp

Limit (I)	Limit (O)	Limit (U)	Limit (D)
21mm	21mm	12mm	12mm

3. Specimen submitted to test on : 2018-02-02 (YYYY-MM-DD)
4. Place of test : Jiangsu Huachen Vehicle Inspection Co.,
Ltd., Zhenjiang City, P.R. China
- Date of test : 2018-02-08 (YYYY-MM-DD)

Technical Report No.: 18-00405-CX-SHA-00
Manufacturer: Shanghai Jason Plastic Co., Ltd.
Type: DOT-TAIL-RED-LP-WIN

Page 17 / 17

III. Enclosures

Manufacturer's information document No. : DOT-TAIL-RED-LP-WIN-00

Dated on : 2018-02-02 (YYYY-MM-DD)

IV. Statement of conformity

The information folder as mentioned under No. III and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports".

The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.

München, 2018-03-20
(YYYY-MM-DD)



Joe Zhou

Test Laboratory / DIN EN ISO 17025

Genehmigungsbehörde/ Approval authority	Land/Country	Registriernummer/ Registration-number	Aktueller Benennungsumfang/ Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	www.kba.de
Vehicle Certification Agency (VCA)	Vereintes Königreich/ United Kingdom	VCA-TS-006	http://ec.europa.eu/enterprise/sectors/automotive/approval-authorities-technical-services/technical-services/index_en.htm
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-XX	
National Standards Au- thority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certifica- tion Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vsc.org.tw/English/Default.aspx

Information folder No. : DOT-TAIL-RED-LP-WIN-00

First application date : February 2, 2018

1. Specification data

Type		DOT-TAIL-RED-LP-WIN		
Variant		Variant 1: DOT-TAIL-RED-LP-WIN Variant 2: DOT-TAIL-RED-LP-NW		
Function		Rear group lamp		
		Stop lamp	Rear position lamp	License plate lamp
Color		Red	Red	Colorless
Rated	Voltage	12V*	12V*	12V*
	Wattage	9W	1.1W	0.4W
Application Regulation ECE		R50.00	R50.00	R50.00
Location of marking	Number and category of light source	25*LED	10*LED	5*LED
		Non-replaceable light source		
		Marked on housing		
	Trade mark	CD		
		Marked on lens		
	Approval mark	Marked on lens		
Remark		Sequential activation of light sources: N/A		
		*: Application of an electronic light source control gear: Being part of the lamp Input voltage: 12V		

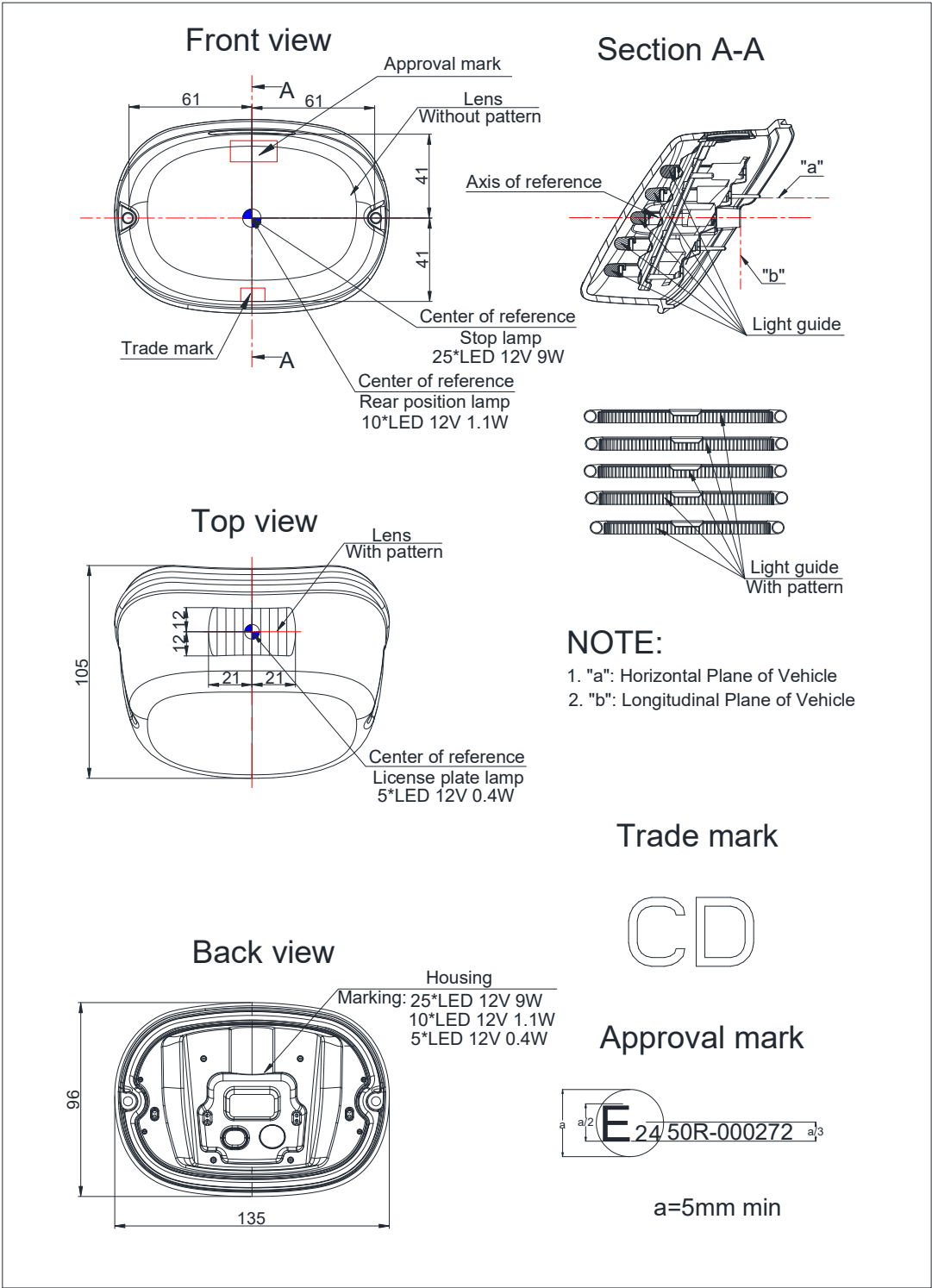
2. Construction and material

Construction	Material	Remarks
Lens	PMMA	S.L.+R.P.L.: Red L.P.L.: Clear
Light guide	PMMA	Color: Clear
Reflector	PC	AL vacuum vapour coating Painting on the inside surface Color: Metal silver
Housing	ABS	Color: Metal silver
Electrical Wiring	Copper covered with insulation	--

3. Name and address of manufacturer : Shanghai Jason Plastic Co., Ltd.
B3, No. 108, Pengfeng Road, Malu Town,
Jiading District, Shanghai, China

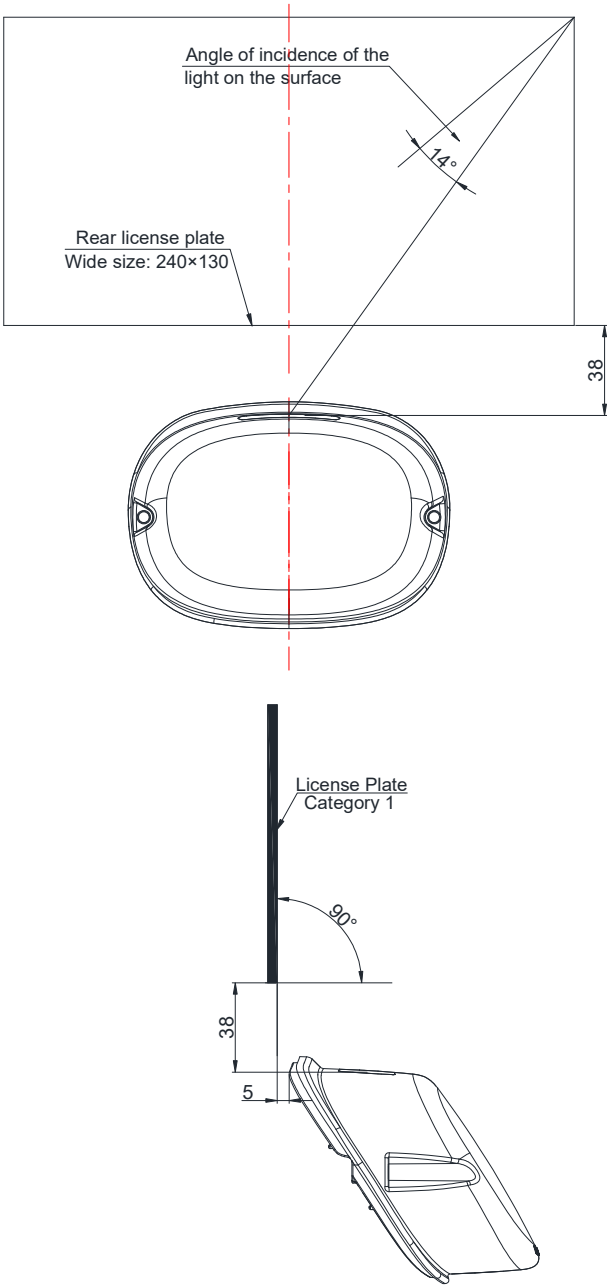
4. Name and address of the assembly plant : See 3.

5. Name and address of the manufacturer's representative : N/A

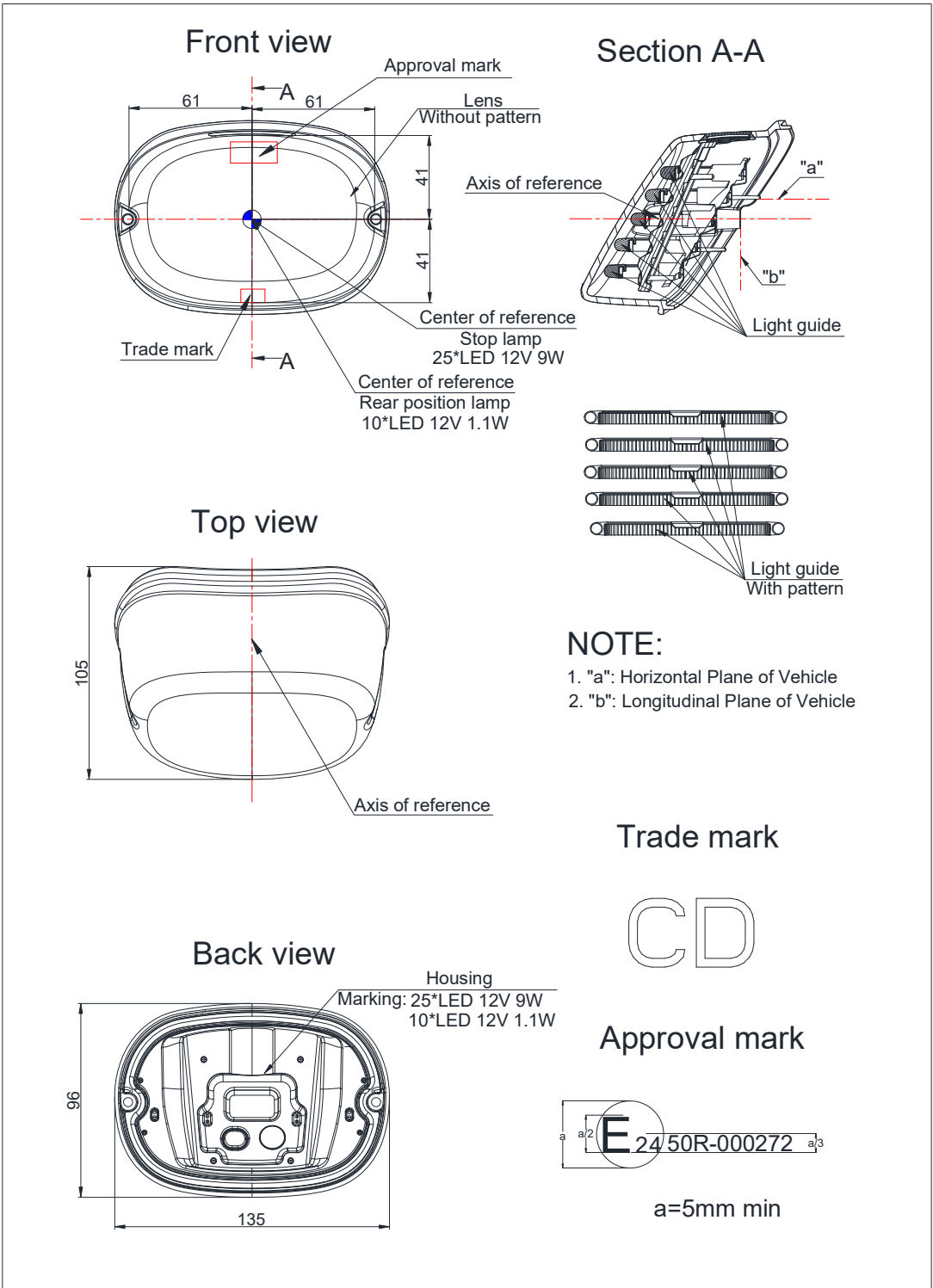


Product Type	DOT-TAIL-RED-LP-WIN
General assembly drawing	
Drawing No.	DOT-TAIL-RED-LP-WIN-01

Installation requirements of rear license plate



Product Type	DOT-TAIL-RED-LP-WIN
Installation state	
Drawing No.	DOT-TAIL-RED-LP-WIN-02



Product Type	DOT-TAIL-RED-LP-WIN
General assembly drawing	
Drawing No.	DOT-TAIL-RED-LP-NW

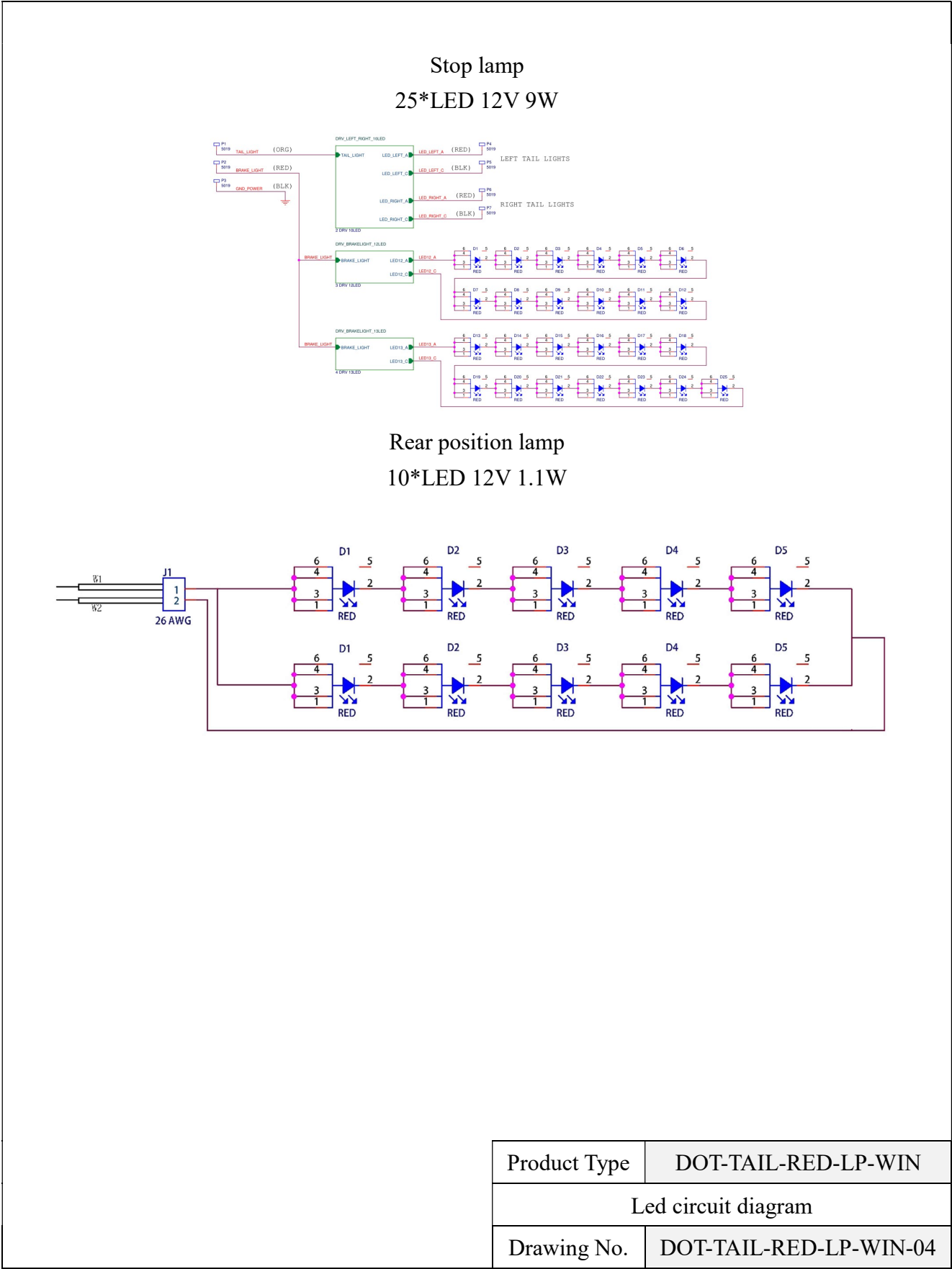
Variant 1



Variant 2

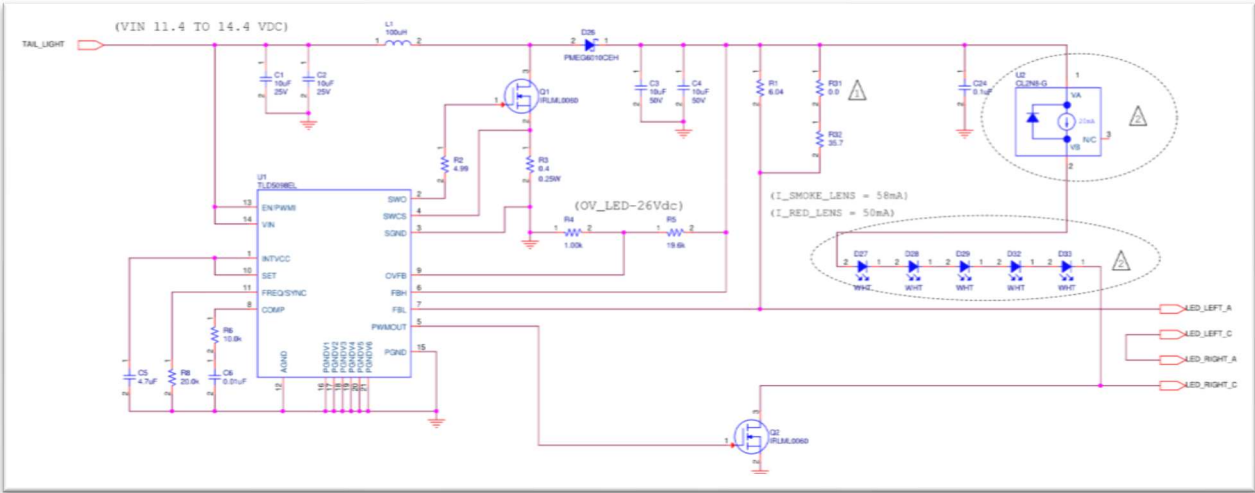


Product Type	DOT-TAIL-RED-LP-WIN
Photo	
Drawing No.	DOT-TAIL-RED-LP-WIN-03



License plate lamp

5*LED 12V 0.4W



Product Type	DOT-TAIL-RED-LP-WIN
Led circuit diagram	
Drawing No.	DOT-TAIL-RED-LP-WIN-05