

THE NETHERLANDS
(N E D E R L A N D)

COMMUNICATION

Concerning ⁽¹⁾

- approval granted
- approval extended
- approval refused
- approval withdrawn
- production definitely discontinued

of a type of lamp pursuant to UN Regulation number 148 (LSD).

Lamp ⁽¹⁾	Rear registration plate illuminating lamp
	Direction indicator lamp
	Stop lamp
	Position lamp
	End-outline marker lamp
	Reversing lamp
	Manoeuvring lamp
	Rear fog lamp
	Parking lamp
	Daytime running lamp
	Side marker lamp

Category of the lamp : AR

Change index : ---

Approval number : **E4*148R00/03*0342*00**

Unique Identifier (UI) (if applicable) : ---

1. Trade name or mark of the lamp :  (K-LITE), K-LITE, KYI
2. Manufacturer's name for the type of lamp : T134-DC
3. Manufacturer's name and address : K-Lite (Yuyao) Plastics Co., Ltd.
No.5 Workshop, No.20 Xingye Road,
Yangming Industrial Zone, Yuyao City,
Zhejiang Province, 315400 China (PRC)
4. If applicable, name and address of the manufacturer's representative : ---
5. Submitted for approval on : 20/04/2022
6. Technical service responsible for conducting approval tests : IDIADA
L'Albornar- PO Box 20
E-43710 Santa Oliva (Tarragona)
SPAIN
7. Date of report issued by that Service : 18/05/2022
8. Number of report issued by that Service : CN22040599
9. Concise description :
 - 9.1. In case of
 - 9.1.1. A rear-registration plate illuminating lamp : ---

Geometrical conditions of installation (position(s) and inclination(s) of the device in relation to the space to be occupied by the registration plate and/or different inclinations of this space) : ---
 - 9.1.2. A direction indicator : ---

Sequential activation of light sources : ~~yes~~/no⁽¹⁾
 - 9.1.3. A reversing lamp :

The lamp shall be installed on a vehicle only as part of a pair of lamps : ~~yes~~/no⁽¹⁾
 - 9.1.4. A manoeuvring lamp :

The maximum mounting height : ---
 - 9.2. By light signalling function and category:



For mounting either outside ~~or inside~~
~~or both~~⁽¹⁾

Colour of light emitted : ~~red/white/amber~~/colourless⁽¹⁾

Number, category and kind of light source(s) : Reversing lamp: 15 x LEDs

Voltage and wattage : Reversing lamp: 12V/24V, 2.1 W

Light source module : ~~yes~~/no⁽¹⁾

Light source module specific identification code : ---

Only for limited mounting height of equal to or less than 750 mm above the ground, if applicable : ~~yes~~/no⁽¹⁾

Geometrical conditions of installation and relating variations, if any : ---

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

(a) Being part of the lamp : ~~yes~~/no⁽¹⁾

(b) Being not part of the lamp : ~~yes~~/no⁽¹⁾

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

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) : ---

Variable luminous intensity, if applicable : ~~yes~~/no⁽¹⁾

Function(s) produced by an interdependent lamp forming part of an interdependent lamp system, if applicable : ---

9.3. ~~The front position lamp⁽⁺⁾, rear position lamp⁽⁺⁾, stop lamp⁽⁺⁾, end-outline marker lamp⁽⁺⁾, daytime running lamp⁽⁺⁾~~
⁽¹⁾ is only for use on a vehicle fitted with a tell-tale indicating failure : ~~yes~~/no⁽¹⁾

10. Position of the approval mark : Marked on lens



11. Reason(s) for extension (if applicable) : ---
12. Approval : granted/~~extended/refused/withdrawn~~⁽¹⁾
13. Approval granted for devices to be used on vehicles already in use only : ~~yes~~/no⁽¹⁾
14. Place : Zoetermeer
15. Date : 20 May 2022
16. Signature : 
R. Sarabdjitsingh
17. The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request.

⁽¹⁾ Strike out what does not apply.

Statement manufacturer and authorization regarding application

1 **EC & UNECE type-approval number** : E4*148R00/03*0342*00

2 ☒ **Manufacturer/** ☐ **Manufacturer's representative** ⁽¹⁾

3 Company name : K-Lite (Yuyao) Plastics Co., Ltd.
4 Name authorized person : Zhu Xiaolong
5 Job title : General manager
6 E-mail address : 18605844788@163.com
7 Address : No.5 Workshop, No.20 Xingye Road, Yangming Industrial Zone, Yuyao City,Zhejiang
Province, 315400 China (PRC)
8 Country : China

9 **Statement**

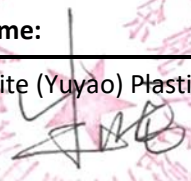
10 Hereby : Zhu Xiaolong ,
11 declares on behalf of
the manufacturer : K-Lite (Yuyao) Plastics Co., Ltd. ,
12 for the application with
type-approval number : E4*148R00/03*0342*00 ,
13 the following:
14 a) the manufacturer has not applied for an EC & UNECE type-approval for the same type to any other approval
authority, and no other approval authority granted the manufacturer such an approval;
15 b) no approval authority has refused to grant type-approval of that type;
16 c) no approval authority has withdrawn type-approval of that type;
17 d) the manufacturer has not revoked an application for a type-approval of that type.

18 **Authorization regarding handling of this application (if applicable)** ⁽²⁾

19 Company name : IDIADA AUTOMOTIVE TECHNOLOGY International Offices Homologation Department
20 E-mail address : suppliers@idiada.com
21 Address : Pol. Ind. L'Albornar - s/n E – 43710 Santa Oliva (Tarragona)
22 Country : España

23 **Authorization**

24 By means of this
declaration, I : Zhu Xiaolong ,
25 on behalf of : K-Lite (Yuyao) Plastics Co., Ltd. ,
26 Authorizes : IDIADA AUTOMOTIVE TECHNOLOGY International Offices Homologation Department ,
27 to respectively apply for a type-approval with type-approval number:
E4*148R00/03*0342*00 ,
28 handle all communication concerning this application and receive the type-approval certificate.

29 Date	Place	Name:
30 May 16, 2022	Zhejiang, China	K-Lite (Yuyao) Plastics Co., Ltd.
31	On their behalf, signature :	
32		Name : Zhu Xiaolong

⁽¹⁾ Mark the specific checkbox.

⁽²⁾ This authorization only concerns the application procedure and all activities that are directly or indirectly related to this procedure. If and insofar as other procedures, including the lodging of objections, are deemed necessary, a new authorization must be submitted in respect of that specific procedure.

TECHNICAL DOCUMENTATION

Application date : April 20, 2022

1. Specification data

17. Specification data			
Type		T134-DC	
Function		Reversing Lamp	
Emitted color		White	
Rated	Voltage	12V/24V	
	Wattage	2.1W	
Applicable Regulation (UN)		R148.00 Cat. AR	
Number and category of light source		15xLED Non-replaceable light source	
Location of marking	Rated voltage and wattage	Marked on Housing	
	Trade mark	 (K-LITE), K-LITE, KYI	Marked on Lens
	Approval mark	Marked on Lens	

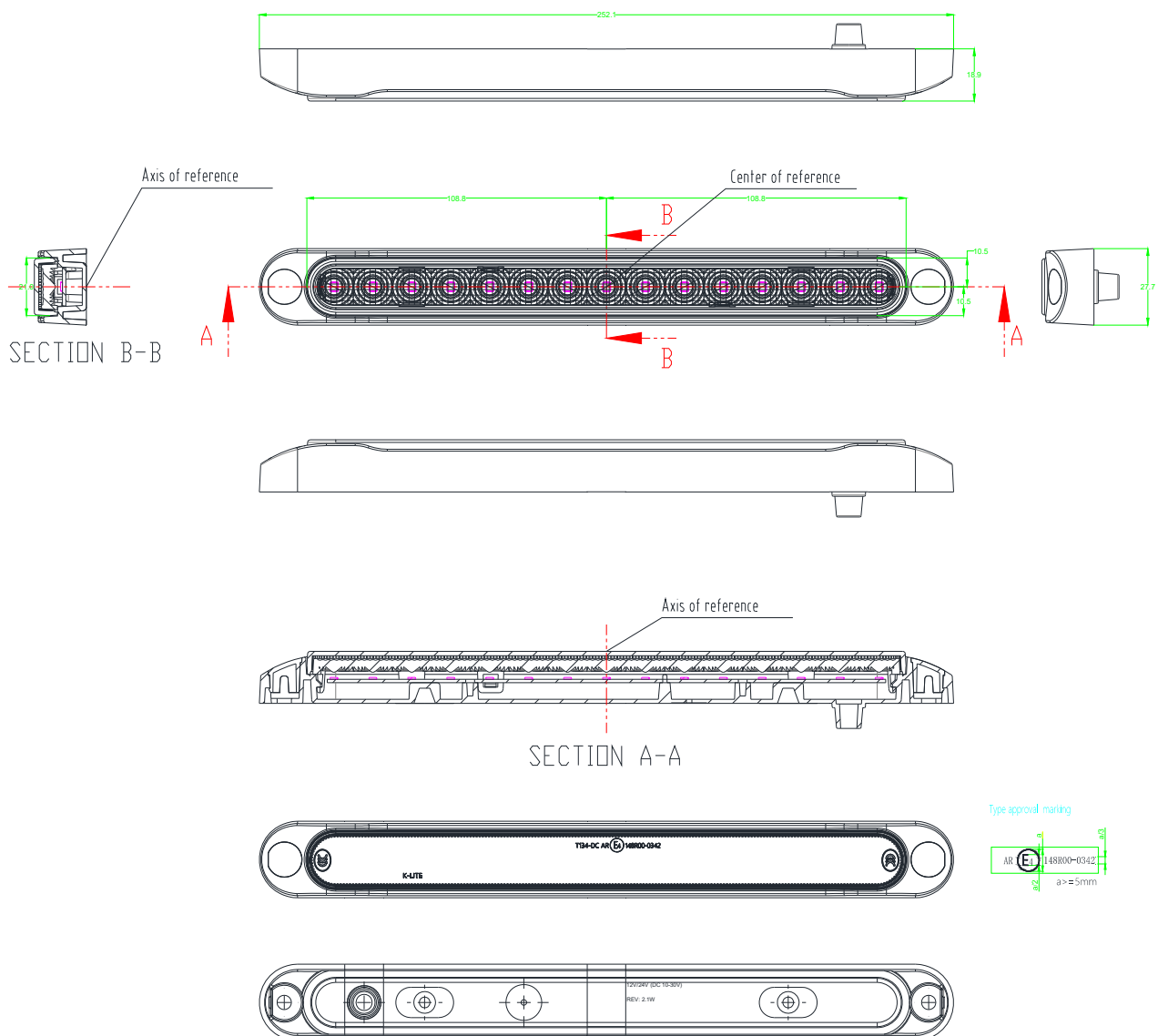
2. Construction and material

Construction	Material	Remarks
Outer Lens	PMMA	Clear, Non-Textured
Inner Lens	PMMA	Clear, Non-textured
Housing	ABS	Black
Electrical wiring	---	---

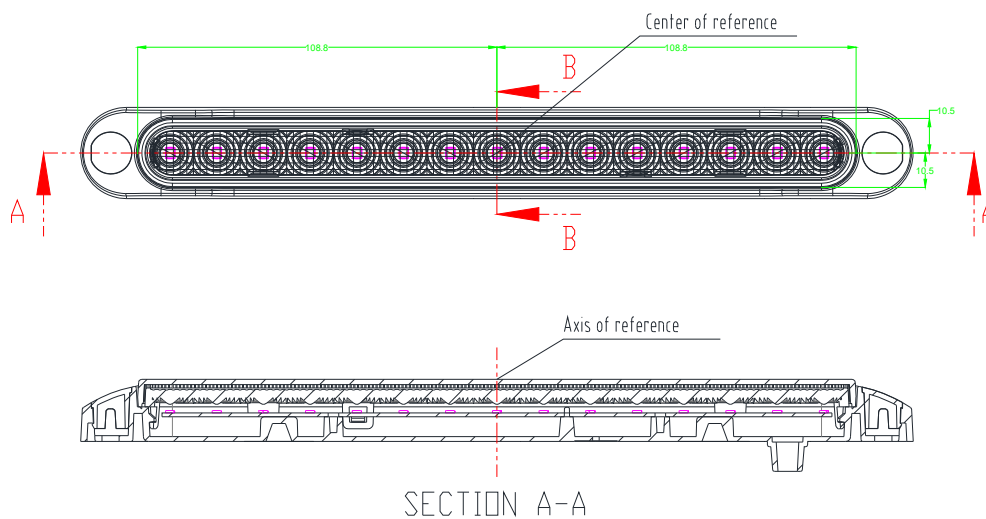
3. Name and address of manufacturer : K-Lite (Yuyao) Plastics Co., Ltd.
No.5 Workshop, No.20 Xingye Road,
Yangming Industrial Zone, Yuyao City,
Zhejiang Province, 315400 China (PRC)

4. Name and address of representative of manufacturer : Not applicable

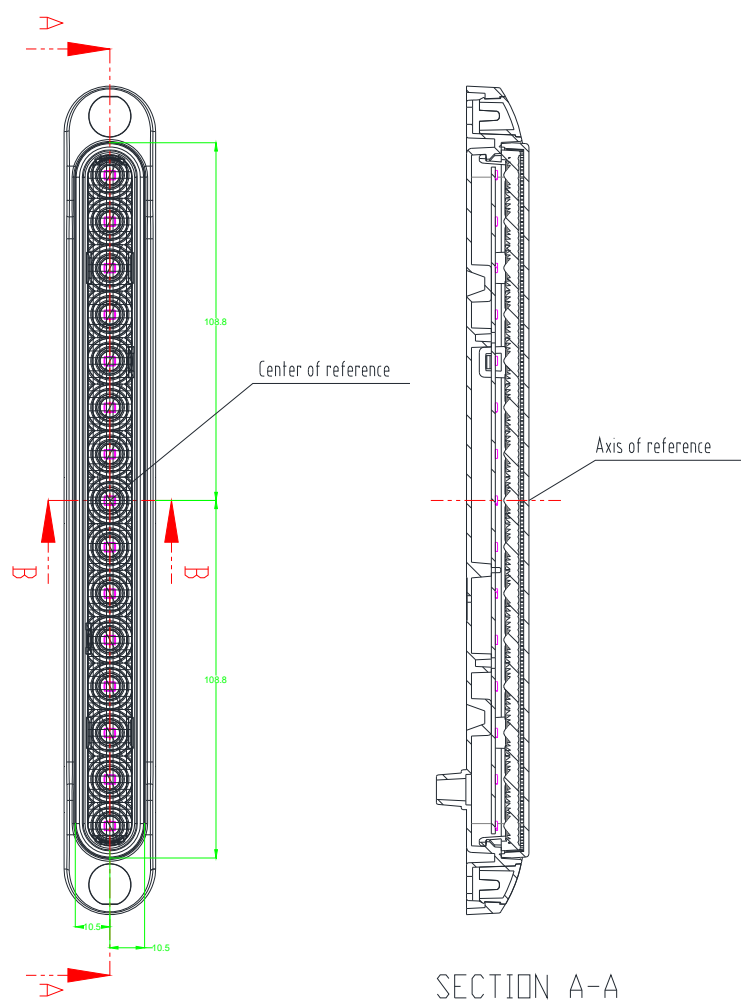
This information document consists of 4 pages.



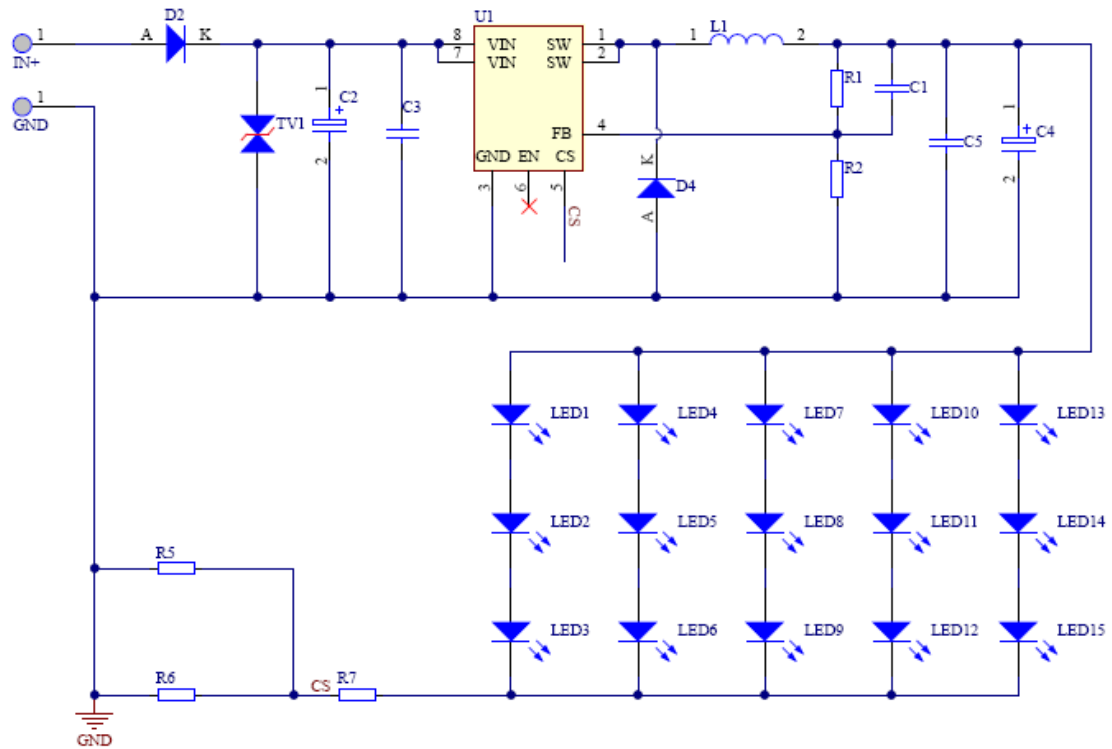
Installation condition 1: Horizontal mounting



Installation condition 2: Vertical mounting



CIRCUIT SCHEMATIC DIAGRAM



Rated voltage: 12V/24V (Input range: DC 10 - 30V)

Reversing Lamp: 15xLED, 2.1W, Non-replaceable light source

REPORT No. CN22040599**CONCERNING THE APPROVAL OF LIGHT-SIGNALLING DEVICES (LAMPS) FOR POWER-DRIVEN
VEHICLES AND THEIR TRAILERS ACCORDING TO UN REGULATION No. 148R00/03**

Manufacturer's name and address : K-Lite (Yuyao) Plastics Co., Ltd.
No.5 Workshop, No.20 Xingye Road,
Yangming Industrial Zone, Yuyao City,
Zhejiang Province, 315400 China (PRC)

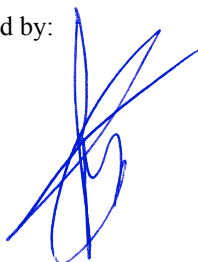
Trade mark :  (K-LITE), **K-LITE, KYI**

Type : T134-DC

Place and date of test report issue : L'Albornar, Santa Oliva (Tarragona)
18/05/2022

CONCLUSIONS: This device **FULFILS** the prescriptions with regard to the approval of light-signalling devices (lamps) for motor vehicles and their trailers in application of UN Regulation No. 148R00/03 as detailed in the annex to this report.

Performed by:

Joan Fonts Sala
TEST ENGINEER

Revised by:

Josep Masip Gomez
DEPARTMENT MANAGER

ANNEX TO THE REPORT

Manufacturer's name and address ⁽¹⁾ : K-Lite (Yuyao) Plastics Co., Ltd.
No.5 Workshop, No.20 Xingye Road,
Yangming Industrial Zone, Yuyao City,
Zhejiang Province, 315400 China (PRC)

Trade mark ⁽¹⁾ :  (K-LITE), K-LITE, KYI

Type ⁽¹⁾ : T134-DC

Variants ⁽¹⁾ : ---

Sample identification : CN22040599

Lamp ⁽¹⁾⁽²⁾ : ~~- Rear registration plate illuminating lamp~~
~~- Front direction indicator lamp~~
~~- Rear direction indicator lamp~~
~~- Stop lamp~~
~~- Front position lamp~~
~~- Rear position lamp~~
~~- Front end-outline marker lamp~~
~~- Rear end-outline marker lamp~~
~~- Reversing lamp~~
~~- Manoeuvring lamp~~
~~- Rear fog lamp~~
~~- Parking lamp~~
~~- Daytime running lamp~~
~~- Side marker lamp~~
~~- Rear registration plate illuminating lamp for category L vehicles~~
~~- Front direction indicator lamp for category L vehicles~~
~~- Rear direction indicator lamp for category L vehicles~~
~~- Stop lamp for category L vehicles~~
~~- Front position lamp for category L vehicles~~
~~- Rear position lamp for category L vehicles~~

⁽¹⁾ Information provided by the client. The laboratory is not responsible for such information

⁽²⁾ Strike out what does not apply

Lamp ⁽¹⁾	Category ⁽¹⁾⁽²⁾	Kind of lamp ⁽¹⁾⁽²⁾	Light sources number and category ⁽¹⁾	Replaceability ⁽¹⁾⁽²⁾	Light source module specific identification code (if applicable)
Reversing lamp	AR One lamp – Pair of lamps	Single	15 x LED	Replaceable – Non-replaceable	---

⁽¹⁾ Information provided by the client. The laboratory is not responsible for such information

⁽²⁾ Strike out what does not apply

* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.
* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.
* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

IDIADA Automotive Technology, S.A. N.I.F. A43581610

REVERSING LAMP

MARKING

Marking	CORRECT
---------	----------------

GENERAL SPECIFICATIONS

The requirements contained in sections 5. "General specifications" and 6. "Individual specifications" and in the Annexes referenced in the said sections of Regulations Nos. 48 or 86, and their series of amendments in force at the time of application for the lamp type approval shall apply to this Regulation. The requirements pertinent to each lamp and to the category/ies of vehicle on which the lamp is intended to be installed shall be applied, where its verification at the moment of lamp type approval is feasible.	CORRECT
Vibration endurance	CORRECT

LIGHT SOURCE MODULES

The design of the light source module(s) shall be such as: a) That each light source module can only be fitted in no other position than the designated and correct one and can only be removed with the use of tool(s); b) If there are more than one light source module used in the housing for a device, light source modules having different characteristics cannot be interchanged within the same lamp housing.	NOT APPLICABLE
The light source module(s) shall be tamperproof.	NOT APPLICABLE
A light source module shall be so designed that regardless of the use of tool(s), it shall not be mechanically interchangeable with any replaceable approved light source.	NOT APPLICABLE

REPLACEABLE LIGHT SOURCE(S)

Light source approved according to Regulation UN No. 37 and/or Regulation UN No. 128.	NOT APPLICABLE
The design of the device shall be such that the light source cannot be fixed in any other position but the correct one.	NOT APPLICABLE
The light source holder shall conform to the characteristics given in IEC Publication 60061.	NOT APPLICABLE

NON-REPLACEABLE FILAMENT LAMP OR LIGHT SOURCE MODULE EQUIPPED WITH NON-REPLACEABLE FILAMENT LAMP(S)

In the case of non-replaceable filament lamp(s) or light source module(s) equipped with non-replaceable filament lamp(s), the applicant shall annex to the type approval documentation a report (by the light source manufacturer indicated in the type approval documentation), acceptable to the Authority responsible for type approval, that demonstrates compliance of these non-replaceable filament lamp(s) with the requirements as specified in paragraph 4.11. of IEC 60809, Edition 3.	NOT APPLICABLE
---	-----------------------

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HORIZONTAL INSTALLATION

COLORIMETRIC SPECIFICATIONS

WHITE ZONE:

- Limit towards the blue: $x \geq 0.310$
- Limit towards the yellow: $x \leq 0.500$
- Limit towards the green: $y \leq 0.150 + 0.640x$
- Limit towards the green: $y \leq 0.440$
- Limit towards the purple: $y \geq 0.050 + 0.750x$
- Limit towards the red: $y \geq 0.382$

Chromatic co-ordinates (reference axis)	SAMPLE A	SAMPLE B
x	0.3164	0.3160
y	0.3034	0.3035
z	0.3802	0.3805

Test result: The samples tested fulfil with the colorimetric specifications within the field of the light distribution grid defined in the present Regulation. Outside this field no sharp variation of colour is observed.

PHOTOMETRIC SPECIFICATIONS

HV MEASUREMENT

		SAMPLE A	SAMPLE B	
HV 1 min	80 cd ≤	234.1 cd	241.4 cd	≤ 300 cd
HV 10 min	80 cd ≤	227.1 cd	235.7 cd	≤ 300 cd
HV after stability occurred		226.3 cd	234.9 cd	

- Luminous intensities measured after one minute of operation.

SPATIAL LUMINOUS DISTRIBUTION TABLE

SAMPLE A

H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 126.9Cd 10.0	300.0 181.5Cd 15.0	300.0 158.7Cd 10.0		
max 5° min	300.0 21.36Cd 15.0		300.0 141.6Cd 20.0	300.0 216.7Cd 25.0	300.0 181.5Cd 20.0		300.0 22.68Cd 15.0
max 0° min	300.0 22.73Cd 15.0	300.0 35.51Cd 25.0	300.0 144.9Cd 50.0	300.0 234.1Cd 80.0	300.0 191.1Cd 50.0	300.0 52.04Cd 25.0	300.0 23.60Cd 15.0
max 5° min	600.0 21.66Cd 15.0	600.0 36.12Cd 25.0	600.0 141.9Cd 50.0	600.0 217.3Cd 80.0	600.0 186.2Cd 50.0	600.0 50.62Cd 25.0	600.0 21.63Cd 15.0

SAMPLE B

H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 134.9Cd 10.0	300.0 182.6Cd 15.0	300.0 157.3Cd 10.0		
max 5° min	300.0 21.94Cd 15.0		300.0 153.9Cd 20.0	300.0 225.8Cd 25.0	300.0 181.4Cd 20.0		300.0 20.99Cd 15.0
max 0° min	300.0 21.08Cd 15.0	300.0 38.41Cd 25.0	300.0 159.1Cd 50.0	300.0 241.4Cd 80.0	300.0 188.4Cd 50.0	300.0 48.40Cd 25.0	300.0 23.82Cd 15.0
max 5° min	600.0 22.60Cd 15.0	600.0 37.81Cd 25.0	600.0 153.6Cd 50.0	600.0 227.1Cd 80.0	600.0 184.2Cd 50.0	600.0 48.26Cd 25.0	600.0 21.82Cd 15.0

* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.
 * THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.
 * MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

		SAMPLE A	SAMPLE B
Maximum Intensity in and above the horizontal plane: $I(\text{cd}) \leq 300$		CORRECT	CORRECT
Maximum Intensity below the horizontal plane:	$I(\text{cd}) \leq 600$ between h-h and 5°D	CORRECT	CORRECT
	$I(\text{cd}) \leq 8000$ below 5°D	CORRECT	CORRECT

2. Luminous intensities measured after 10 minutes of operation.

SPATIAL LUMINOUS DISTRIBUTION TABLE

SAMPLE A

H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 123.1Cd 10.0	300.0 176.1Cd 15.0	300.0 153.9Cd 10.0		
max 5° min	300.0 20.72Cd 15.0		300.0 137.4Cd 20.0	300.0 210.2Cd 25.0	300.0 176.1Cd 20.0		300.0 22.00Cd 15.0
max 0° min	300.0 22.05Cd 15.0	300.0 34.45Cd 25.0	300.0 140.6Cd 50.0	300.0 227.1Cd 80.0	300.0 185.4Cd 50.0	300.0 50.49Cd 25.0	300.0 22.89Cd 15.0
max 5° min	600.0 21.01Cd 15.0	600.0 35.04Cd 25.0	600.0 137.7Cd 50.0	600.0 210.8Cd 80.0	600.0 180.6Cd 50.0	600.0 49.10Cd 25.0	600.0 20.98Cd 15.0

SAMPLE B

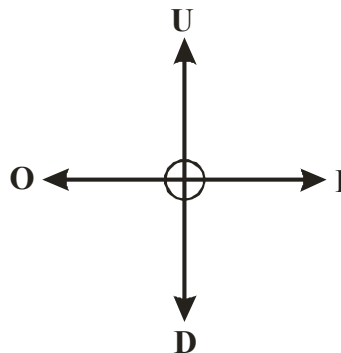
H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 131.7Cd 10.0	300.0 178.3Cd 15.0	300.0 153.6Cd 10.0		
max 5° min	300.0 21.42Cd 15.0		300.0 150.3Cd 20.0	300.0 220.4Cd 25.0	300.0 177.1Cd 20.0		300.0 20.49Cd 15.0
max 0° min	300.0 20.58Cd 15.0	300.0 37.51Cd 25.0	300.0 155.3Cd 50.0	300.0 235.7Cd 80.0	300.0 183.9Cd 50.0	300.0 47.26Cd 25.0	300.0 23.26Cd 15.0
max 5° min	600.0 22.06Cd 15.0	600.0 36.92Cd 25.0	600.0 150.0Cd 50.0	600.0 221.8Cd 80.0	600.0 179.8Cd 50.0	600.0 47.12Cd 25.0	600.0 21.30Cd 15.0

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 * MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

		SAMPLE A	SAMPLE B
Maximum Intensity in and above the horizontal plane: $I(cd) \leq 300$		CORRECT	CORRECT
Maximum Intensity below the horizontal plane:	$I(cd) \leq 600$ between h-h and 5°D	CORRECT	CORRECT
	$I(cd) \leq 8000$ below 5°D	CORRECT	CORRECT
In case of failure of any light source in a single lamp containing more than one light source, at least one of the following provisions shall apply: * a. A group of light sources, wired so that the failure of any one of them causes all of them to stop emitting light, shall be considered to be one light source. b. The light intensity complies with the minimum intensity required in the table of standard light distribution in space e. The light intensity complies in the axis of reference with the 50% of the minimum intensity required. In this case a note in the communication form states that the lamp is only for use on a vehicle fitted with a tell-tale indicating failure.		CORRECT	CORRECT

* Strike out what does not apply

LIGHT EMITTING SURFACE



Upper boundary "U" (mm)	Down boundary "D" (mm)	Inner boundary "I" (mm)	Outer boundary "O" (mm)
9	9	101	101

* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.
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 * MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

VERTICAL INSTALLATION

COLORIMETRIC SPECIFICATIONS

WHITE ZONE:

- Limit towards the blue: $x \geq 0.310$
- Limit towards the yellow: $x \leq 0.500$
- Limit towards the green: $y \leq 0.150 + 0.640x$
- Limit towards the green: $y \leq 0.440$
- Limit towards the purple: $y \geq 0.050 + 0.750x$
- Limit towards the red: $y \geq 0.382$

Chromatic co-ordinates (reference axis)	SAMPLE A	SAMPLE B
x	0.3164	0.3160
y	0.3034	0.3035
z	0.3802	0.3805

Test result: The samples tested fulfil with the colorimetric specifications within the field of the light distribution grid defined in the present Regulation. Outside this field no sharp variation of colour is observed.

PHOTOMETRIC SPECIFICATIONS

HV MEASUREMENT

		SAMPLE A	SAMPLE B	
HV 1 min	80 cd ≤	236.1 cd	243.5 cd	≤ 300 cd
HV 10 min	80 cd ≤	229.2 cd	237.6 cd	≤ 300 cd
HV after stability occurred		228.4 cd	236.8 cd	

3. Luminous intensities measured after one minute of operation.

SPATIAL LUMINOUS DISTRIBUTION TABLE

SAMPLE A

H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 131.3Cd 10.0	300.0 149.1Cd 15.0	300.0 130.5Cd 10.0		
max 5° min	300.0 25.28Cd 15.0		300.0 161.2Cd 20.0	300.0 199.5Cd 25.0	300.0 162.6Cd 20.0		300.0 23.96Cd 15.0
max 0° min	300.0 27.63Cd 15.0	300.0 49.45Cd 25.0	300.0 177.5Cd 50.0	300.0 236.1Cd 80.0	300.0 183.1Cd 50.0	300.0 47.40Cd 25.0	300.0 27.02Cd 15.0
max 5° min	600.0 23.75Cd 15.0	600.0 49.98Cd 25.0	600.0 175.5Cd 50.0	600.0 225.6Cd 80.0	600.0 179.5Cd 50.0	600.0 47.94Cd 25.0	600.0 24.06Cd 15.0

SAMPLE B

H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 142.2Cd 10.0	300.0 162.7Cd 15.0	300.0 138.2Cd 10.0		
max 5° min	300.0 25.38Cd 15.0		300.0 172.7Cd 20.0	300.0 209.6Cd 25.0	300.0 167.4Cd 20.0		300.0 24.96Cd 15.0
max 0° min	300.0 28.33Cd 15.0	300.0 50.42Cd 25.0	300.0 193.9Cd 50.0	300.0 243.5Cd 80.0	300.0 184.4Cd 50.0	300.0 50.83Cd 25.0	300.0 28.28Cd 15.0
max 5° min	600.0 25.96Cd 15.0	600.0 51.13Cd 25.0	600.0 186.2Cd 50.0	600.0 230.7Cd 80.0	600.0 180.7Cd 50.0	600.0 51.44Cd 25.0	600.0 25.74Cd 15.0

* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.

* THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.

* MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

		SAMPLE A	SAMPLE B
Maximum Intensity in and above the horizontal plane: $I(\text{cd}) \leq 300$		CORRECT	CORRECT
Maximum Intensity below the horizontal plane:	$I(\text{cd}) \leq 600$ between h-h and 5°D	CORRECT	CORRECT
	$I(\text{cd}) \leq 8000$ below 5°D	CORRECT	CORRECT

4. Luminous intensities measured after 10 minutes of operation.

SPATIAL LUMINOUS DISTRIBUTION TABLE

SAMPLE A

H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 127.4Cd 10.0	300.0 144.7Cd 15.0	300.0 126.6Cd 10.0		
max 5° min	300.0 24.55Cd 15.0		300.0 156.4Cd 20.0	300.0 193.7Cd 25.0	300.0 157.9Cd 20.0		300.0 23.26Cd 15.0
max 0° min	300.0 26.82Cd 15.0	300.0 48.01Cd 25.0	300.0 172.3Cd 50.0	300.0 229.2Cd 80.0	300.0 177.7Cd 50.0	300.0 46.01Cd 25.0	300.0 26.23Cd 15.0
max 5° min	600.0 23.06Cd 15.0	600.0 48.52Cd 25.0	600.0 170.4Cd 50.0	600.0 219.0Cd 80.0	600.0 174.2Cd 50.0	600.0 46.54Cd 25.0	600.0 23.36Cd 15.0

SAMPLE B

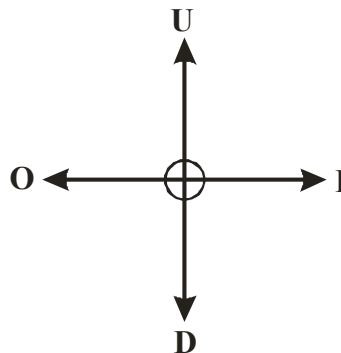
H→ V↓	45°	30°	10°	0°	10°	30°	45°
max 10° min			300.0 138.8Cd 10.0	300.0 158.7Cd 15.0	300.0 134.9Cd 10.0		
max 5° min	300.0 24.76Cd 15.0		300.0 168.5Cd 20.0	300.0 204.5Cd 25.0	300.0 163.4Cd 20.0		300.0 24.35Cd 15.0
max 0° min	300.0 27.64Cd 15.0	300.0 49.20Cd 25.0	300.0 189.2Cd 50.0	300.0 237.6Cd 80.0	300.0 179.9Cd 50.0	300.0 49.60Cd 25.0	300.0 27.59Cd 15.0
max 5° min	600.0 25.34Cd 15.0	600.0 49.89Cd 25.0	600.0 181.7Cd 50.0	600.0 225.2Cd 80.0	600.0 176.3Cd 50.0	600.0 50.19Cd 25.0	600.0 25.11Cd 15.0

* THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE.
 * THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN.
 * MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.

		SAMPLE A	SAMPLE B
Maximum Intensity in and above the horizontal plane: $I(cd) \leq 300$		CORRECT	CORRECT
Maximum Intensity below the horizontal plane:	$I(cd) \leq 600$ between h-h and 5°D	CORRECT	CORRECT
	$I(cd) \leq 8000$ below 5°D	CORRECT	CORRECT
In case of failure of any light source in a single lamp containing more than one light source, at least one of the following provisions shall apply: * d. A group of light sources, wired so that the failure of any one of them causes all of them to stop emitting light, shall be considered to be one light source. e. The light intensity complies with the minimum intensity required in the table of standard light distribution in space f. The light intensity complies in the axis of reference with the 50% of the minimum intensity required. In this case a note in the communication form states that the lamp is only for use on a vehicle fitted with a tell-tale indicating failure.		CORRECT	CORRECT

* Strike out what does not apply

LIGHT EMITTING SURFACE



Upper boundary "U" (mm)	Down boundary "D" (mm)	Inner boundary "I" (mm)	Outer boundary "O" (mm)
101	101	9	9

Test place: NVTC, Ningbo China
Test date: 09/05/2022-10/05/2022

Joan Fonts Sala
TEST ENGINEER