

Index to the information package of a type approval with regard to a Regulation (UNECE) :

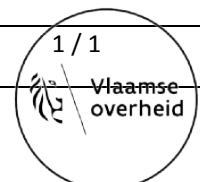
Last applicable Series of amendments	Base approval and update No	Extension No	Revision No	Issue date	Information document	
					Reference	Number of pages
R06-01	00	-	-	1.11.2017	SONAR SK3401(3402)-103054D-EH / 00	5

Approved and to be attached to the approval certificate,



R. VERHELST

Updated Approval No:	E6*06R01/27*0782*00	BEVASYS :	201609378
Update No :	00	Issue date :	1.11.2017





Communication concerning :

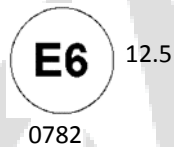
- Approval granted ⁽¹⁾
- ~~Approval extended ⁽⁴⁾~~
- ~~Approval refused ⁽⁴⁾~~
- ~~Approval withdrawn ⁽⁴⁾~~
- ~~Production definitively discontinued ⁽⁴⁾~~

of a type of direction indicator, pursuant to Regulation No.06

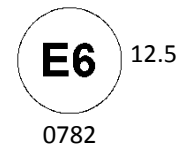
Approval No : E6*06R01/27*0782*00 Extension No : -

Approval mark : PL DC HR A 1a
 01 01 02 01
 → →

1a A DC HR PL
 01 02 01 01
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Left side



Right side

1. Trade name or mark of device : SONAR
2. Manufacturer's name for the type of device : SK3401-103054D-EH / SK3402-103054D-EH
3. Manufacturer's name and address : Sonar Auto Parts Co., Ltd.
 No. 427, Sec. 2, Wenhua Rd., Panchiao District,
 New Taipei City, Taiwan, R.O.C.
4. If applicable, name and address of the manufacturer's representative : -
5. Submitted for approval on : 22.06.2016
 SUN-JET VISIBLE LIGHT LABORATORY
 21.08.2017
 SUN-JET VISIBLE LIGHT LABORATORY
6. Technical Service responsible for conducting approval test: Vincotte N.V.
 Jan Olieslagerslaan 35
 1800 Vilvoorde
 Belgium
7. Date of test report: 1.11.2017
8. Number of test report : H1660549761/270

9.	Concise description :	See information document
	Category :	4, 1a, 1b , 2a, 2b, 5, 6 ⁽⁴⁾
	Number, category :	1 x PY21W
	Function(s) produced by an interdependent lamp forming part of an interdependent lamps system :	-
	Voltage and wattage :	12V, 21W
	Light source module specific identification code :	-
	Only for limited mounting height of equal to or less than 750mm above the ground :	Yes / No ⁽¹⁾
	Geometrical conditions of installation and relating variations, if any :	See information document
	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 :	Yes / No ⁽¹⁾
	Sequential activation of light sources (see paragraph 5.6 of this Regulation) :	Yes / No ⁽¹⁾
10.	Position of approval mark :	On the lamp
11.	Reason(s) for extension (if applicable) :	-
12.	Approval granted / extended / refused / withdrawn ⁽⁴⁾	

13. Place : Brussels
14. Date : 1.11.2017
15. Signature :

ON BEHALF OF THE SECRETARY-GENERAL:



A handwritten signature in blue ink, appearing to read 'R. Verhelst'.

R. VERHELST

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

(1) *Delete where not applicable*



VINÇOTTE nv

Registered office: Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium

VAT BE 0462.513.222 • RPM/RPR Brussels • BNP Paribas Fortis: BE24 2100 4113 6338 • BIC: GEBABEBB

Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium • phone: +32 2 674 57 11 • brussels@vincotte.be

ISO/IEC 17020 Accredited inspection body - Accreditation certificate BELAC No. 016-INSP

1. **SUBJECT : DIRECTION INDICATORS**

R6-01

2. **REF. :** Report number : **H1660549761/270** No. of pages : 1 of 13 No. of annexes : -
Bevasys : 201609378 Approval No. : (0782 00) Update : 00

3. **GENERALITIES :**

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3401-103054D-EH / SK3402-103054D-EH

Name and address of the manufacturer :

Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,
New Taipei City, Taiwan, R.O.C.

4. **TESTS :** Date and place : 2017.08.21
SUN-JET VISIBLE LIGHT LABORATORY
2016.06.22
SUN-JET VISIBLE LIGHT LABORATORY
Applied document(s) : SONAR SK3401(3402)-103054D-EH / 00
Inspector : LU Wan-Ching
Persons witnessing the tests : LU Wan-Ching
Location of E-mark : On the lamp

5. **CONCLUSIONS :**

The tests were carried out according to the following specifications :

- UNECE Regulation No. 6 incorporating supplement 27 to the 01 series of amendments.

The models presented comply with the requirements to be applied.

Date : 2017.11.1

Signature :

 VINÇOTTE nv/sa
LU Wan-Ching
Automotive Certification

Vlaamse
overheid

2BH/LWC-DV

23A-AK

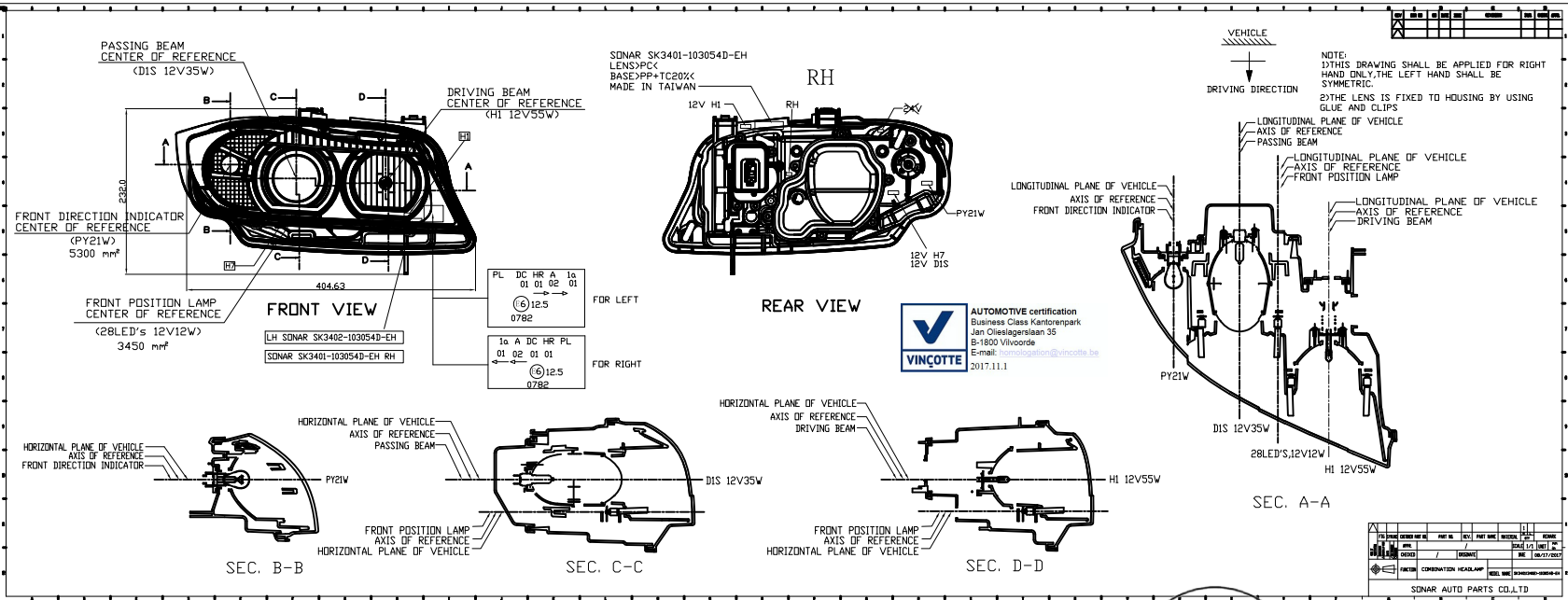
DESCRIPTION OF THE TESTED DIRECTION INDICATOR

Direction indicator lamp type : Front Direction Indicator
 Direction indicator lamp category : 1a
 Category and kind of light source(s) : PY21W
 Number of light source : 1
 Voltage and wattage : 12V, 21W

GENERAL SPECIFICATIONS*

Characteristics concerned and prescriptions to apply	References	Conformity	Not applied
<p>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, 53, 74 or 86, and their series of amendments in force at the time of application for the lamp type approval shall apply to this Regulation.</p>	5.		
<p>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.</p>			
<p>Each device supplied shall conform to the specifications set forth in § 6 and § 8 below.</p>	5.1.	*	
<p>The devices must be so designed and constructed that under 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.</p>	5.2.	*	
<p>In the case of light source modules, it shall be checked that :</p>	5.3.		*
<p>The design of the light source module(s) shall be such as</p>	5.3.1.		
<p>(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)</p>			
<p>(b) if there are more than one light source module used in the housing for a device, light source modules having different characteristics can not be interchanged within the same lamp housing</p>			
<p>The light source module(s) shall be tamperproof.</p>	5.3.2.		
<p>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</p>	5.3.3		
<p>In case of failure of the variable intensity control of a direction indicator of category 2b emitting more than the maximum value of category 2a, requirements of steady luminous intensity of category 2a shall be fulfilled automatically.</p>	5.4		*
<p>In the case of replaceable filament lamp(s) :</p>	5.5.	*	
<p>Any category or categories of light source(s) approved according to Regulation No. 37 and/or Regulation No. 128 may be used, provided that no restriction on the use is made in Regulation No. 37 and its series of amendments in force at the time of application for type approval or in Regulation No. 128 and its series of amendments in force at the time of application for type approval.</p>	5.5.1.		
<p>The design of the device shall be such that light source cannot be fixed in any other position but the correct one.</p>	5.5.2.		
<p>The light source holder shall conform to the characteristics given in IEC Publication 60061. The holder data sheet relevant to the category of light source used, applies.</p>	5.5.3.		

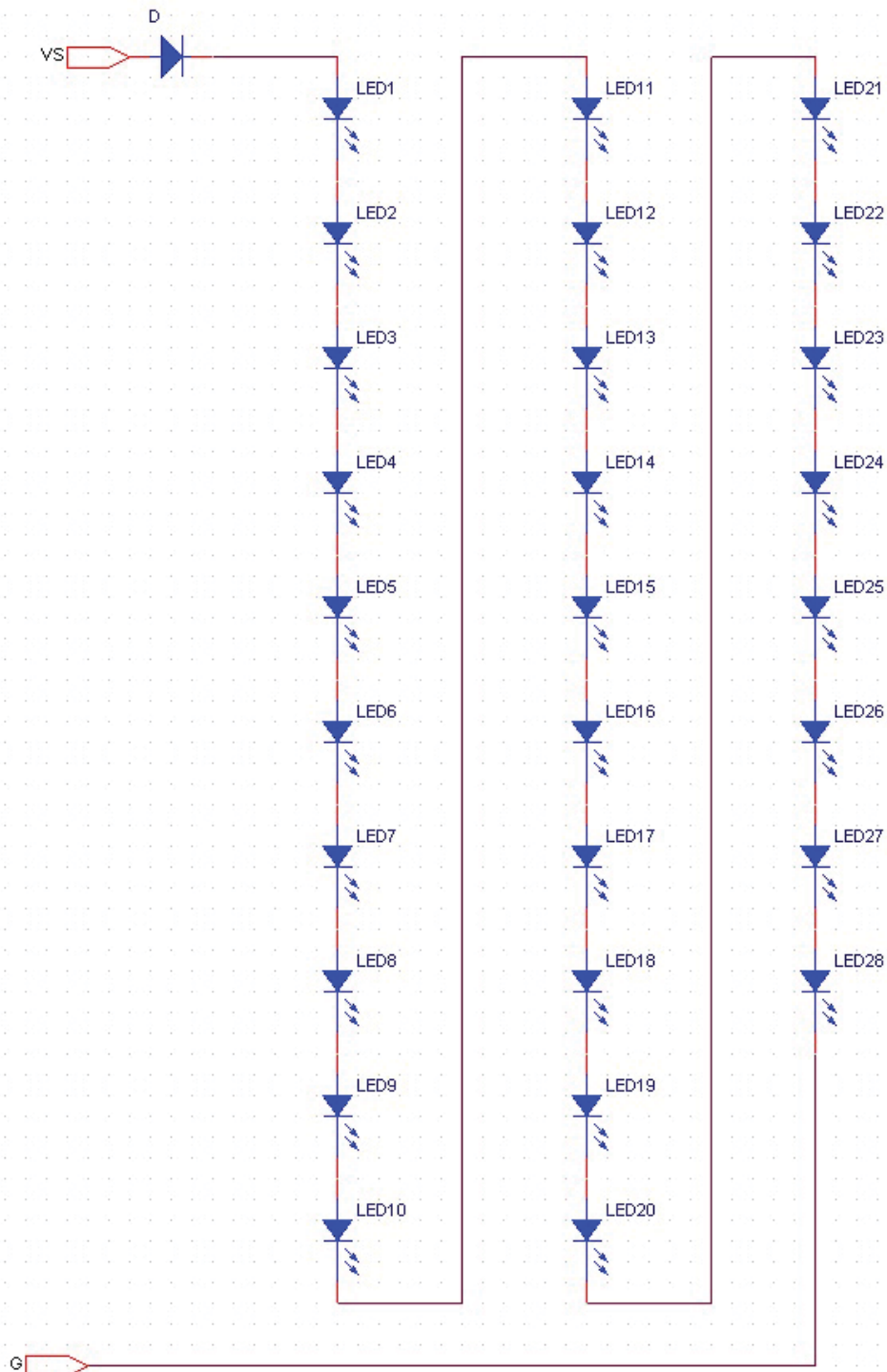




VINÇOTTE

AUTOMOTIVE certification
Business Class Kantorenpark
Jan Oliegieslagenlaan 35
B-1800 Vilvoorde
E-mail: homologation@vincotte.be
2017.11.1





VINCOTTE
 AUTOMOTIVE certification
 Business Class Kantorenpark
 Jan Olieslagerlaan 35
 B-1800 Vilvoorde
 E-mail: homologation@vincotte.be
 2017.11.1



SK3401(3402)-103054D-EH SCH		
Size A	Document Number E90配光電路圖	Rev V4
Date: Tuesday, February 14, 2017	Sheet 1	of 1

Index to the information package of a type approval with regard to a Regulation (UNECE) :

Last applicable Series of amendments	Base approval and update No	Extension No	Revision No	Issue date	Information document	
					Reference	Number of pages
R07-02	00	-	-	1.11.2017	SONAR SK3401(3402)-103054D-EH / 00	5

Approved and to be attached to the approval certificate,



R. VERHELST

Updated Approval No:	E6*07R02/26*0782*00	BEVASYS :	201609379
Update No :	00	Issue date :	1.11.2017



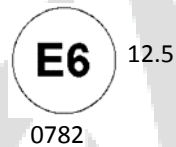
Communication concerning :

- Approval granted ⁽¹⁾
- ~~Approval extended ⁽⁴⁾~~
- ~~Approval refused ⁽⁴⁾~~
- ~~Approval withdrawn ⁽⁴⁾~~
- ~~Production definitively discontinued ⁽⁴⁾~~

of a type of device, pursuant to Regulation No.07

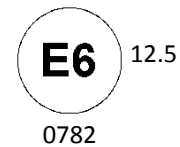
Approval No : E6*07R02/26*0782*00 Extension No : -

Approval mark : PL DC HR A 1a
01 01 02 01
→ →



Left side

1a A DC HR PL
01 02 01 01
← ←



Right side

1. Trade name or mark of device : SONAR
2. Manufacturer's name for the type of device : SK3401-103054D-EH / SK3402-103054D-EH
3. Manufacturer's name and address : Sonar Auto Parts Co., Ltd.
No. 427, Sec. 2, Wenhua Rd., Panchiao District,
New Taipei City, Taiwan, R.O.C.
4. If applicable, name and address of the manufacturer's representative : -
5. Submitted for approval on : 22.06.2016
SUN-JET VISIBLE LIGHT LABORATORY
21.08.2017
SUN-JET VISIBLE LIGHT LABORATORY
6. Technical Service responsible for conducting approval test: Vincotte N.V.
Jan Olieslagerslaan 35
1800 Vilvoorde
Belgium
7. Date of test report issued by that Service: 1.11.2017
8. Number of test report issued by that Service : H1660549761/271

9.	Concise description :	See information document
9.1.	By category of lamp :	A
	For mounting either outside or inside or both ⁽⁴⁾	
	Colour of light emitted :	White / Red ⁽⁴⁾
	Number, category and kind of light source(s) :	28LEDs / 1 light source
	Voltage and wattage :	12V, 12W
	Light source module specific identification code :	-
	Only for limited mounting height of equal to or less than 750mm above the ground :	Yes / No ⁽¹⁾
	Geometrical conditions of installation and relating variations, if any :	See information document
	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 :	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) :	-
	Variable luminous intensity :	Yes / No ⁽¹⁾
	The front position lamp / rear position lamp / stop lamp / end-outline marker lamp ⁽⁴⁾ is only for use on a vehicle fitted with a tell-tale indicating failure :	Yes / No ⁽¹⁾
9.2.	Function(s) produced by an interdependent lamp forming part of an interdependent lamp system :	
	Front position lamp :	Yes / No ⁽¹⁾
	R1 Rear position lamp :	Yes / No ⁽¹⁾
	R2 Rear position lamp :	Yes / No ⁽¹⁾
	S1 Stop lamp :	Yes / No ⁽¹⁾
	S2 Stop lamp :	Yes / No ⁽¹⁾
	S3 Stop lamp :	Yes / No ⁽¹⁾
	S4 Stop lamp :	Yes / No ⁽¹⁾
	End-outline marker lamp :	Yes / No ⁽¹⁾
10.	Position of approval mark :	On the lamp
11.	Reason(s) for extension (if applicable) :	-
12.	Approval granted / extended / refused / withdrawn ⁽⁴⁾	

13. Place : Brussels
14. Date : 1.11.2017
15. Signature :

ON BEHALF OF THE SECRETARY-GENERAL:



A handwritten signature in blue ink that reads 'R. Verhelst'.

R. VERHELST

16. 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) *Delete where not applicable*



VINÇOTTE nv

Registered office: Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium

VAT BE 0462.513.222 • RPM/RPR Brussels • BNP Paribas Fortis: BE24 2100 4113 6338 • BIC: GEBABEBB

Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium • phone: +32 2 674 57 11 • brussels@vincotte.be

ISO/IEC 17020 Accredited inspection body - Accreditation certificate BELAC No. 016-INSP

1. **SUBJECT : FRONT AND REAR POSITION (SIDE) LAMPS
STOP-LAMPS
END-OUTLINE MARKER LAMPS**

R7-02

2. **REF. :** Report number : **H1660549761/271** No. of pages : 1 of 13 No. of annexes : -
Bevasys : 201609379 Approval No. : (0782 00) Update : 00

3. **GENERALITIES :**

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3401-103054D-EH / SK3402-103054D-EH

Name and address of the manufacturer :

Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,
New Taipei City, Taiwan, R.O.C.

4. **TESTS :** Date and place : 2017.08.21
SUN-JET VISIBLE LIGHT LABORATORY
2016.06.22
SUN-JET VISIBLE LIGHT LABORATORY
Applied document(s) : SONAR SK3401(3402)-103054D-EH / 00
Inspector : LU Wan-Ching
Persons witnessing the tests : LU Wan-Ching
Location of E-mark : On the lamp

5. **CONCLUSIONS :**

The tests were carried out according to the following specifications :

- UNECE Regulation No. 7 incorporating supplement 26 to the 02 series of amendments.

The models presented comply with the requirements to be applied.

Date : 2017.11.1

Signature :



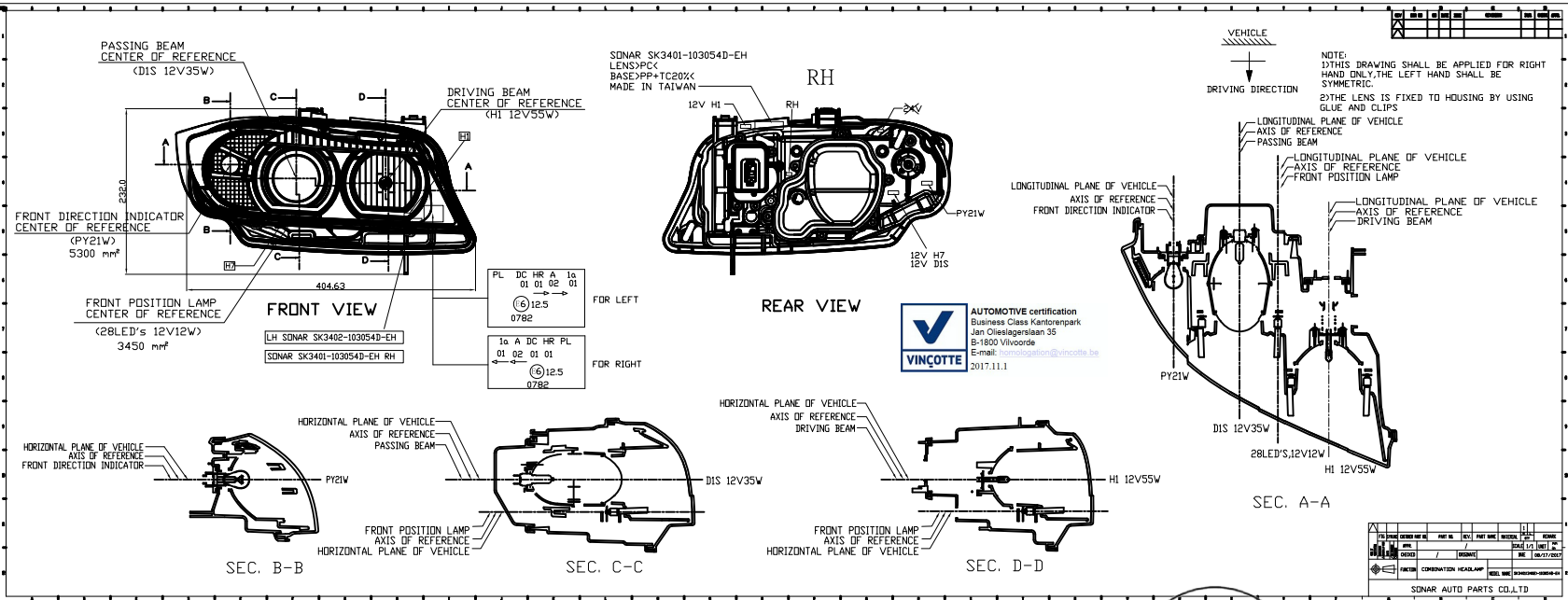
DESCRIPTION OF THE TESTED LAMP

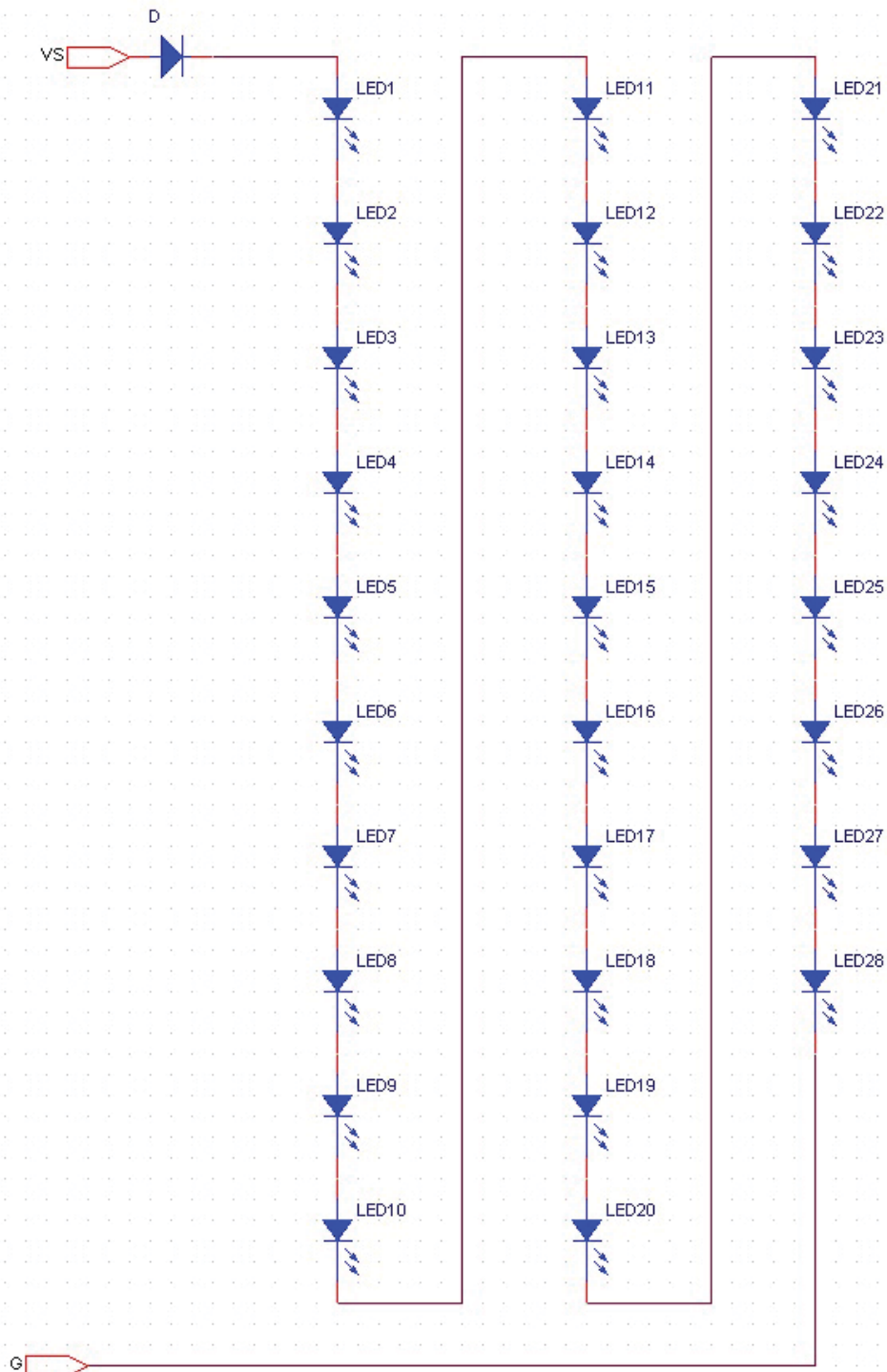
Lamp type : Front Position Lamp
 Lamp category : A
 Category and kind of light source(s) : LED
 Number of light source(s) : 28LEDs / 1 light source
 Voltage and wattage : 12V, 12W

GENERAL SPECIFICATIONS*

Characteristics concerned and prescriptions to apply	References	Conformity	Not applied
<p>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, 53, 74 or 86, and their series of amendments in force at the time of application for the lamp type approval shall apply to this Regulation.</p> <p>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.</p>	5.		
<p>Each device supplied shall conform to the specifications set forth in § 6 and 8 below.</p>	5.1.	*	
<p>The devices must be so 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.</p>	5.2.	*	
<p>Lamps having been approved as front or rear position lamps, are deemed being also approved end-outline marker lamps.</p>	5.3.		*
<p>Front and rear position lamps which are grouped or combined or reciprocally incorporated may also be used as end-outline marker lamps.</p>	5.4.		*
<p>Position lamps, which are reciprocally incorporated with another function, using a common light source, and designed to operate permanently with an additional system to regulate the intensity of the light emitted, are permitted.</p>	5.5.		*
<p>However, in the case of rear position lamp reciprocally incorporated with a stop lamp, the device shall either:</p> <p>(a) Be a part of a multiple light source arrangement, or</p> <p>(b) Be intended for use in a vehicle equipped with a failure monitoring system for that function.</p> <p>In either case, a note shall be made within the communication document.</p>	5.5.1.		
<p>In the case of light source modules, it shall be checked that:</p>	5.6.		*
<p>The design of the light source module(s) shall be such as:</p> <p>(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);</p> <p>(b) If there are more than one light source module used in the housing for a device, light source modules having different characteristics can not be interchanged within the same lamp housing.</p>	5.6.1.		
<p>The light source module(s) shall be tamperproof.</p>	5.6.2.		
<p>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.</p>	5.6.3.		
<p>If the front position lamp incorporates one or more infrared radiation generators, the photometric and colour requirements for this front position lamp shall be met with and without the operation of the infrared radiation generator(s).</p>	5.7		*







SK3401(3402)-103054D-EH SCH		
Size A	Document Number E90配光電路圖	Rev V4
Date: Tuesday, February 14, 2017	Sheet 1	of 1

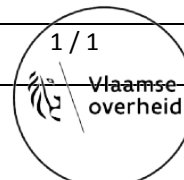
Index to the information package of a type approval with regard to a Regulation (UNECE) :

Last applicable Series of amendments	Base approval and update No	Extension No	Revision No	Issue date	Information document	
					Reference	Number of pages
R98-01	00	-	-	1.11.2017	SONAR SK3401(3402)-103054D-EH / 00	5

Approved and to be attached to the approval certificate,

R. VERHELST

Updated Approval No:	E6*98R01/08*0782*00	BEVASYS :	201609380
Update No :	00	Issue date :	1.11.2017





Communication concerning :

- Approval granted ⁽¹⁾
- ~~Approval extended ⁽⁴⁾~~
- ~~Approval refused ⁽⁴⁾~~
- ~~Approval withdrawn ⁽⁴⁾~~
- ~~Production definitively discontinued ⁽⁴⁾~~

of a type of headlamp pursuant to Regulation No.98

Approval No : E6*98R01/08*0782*00 Extension No : -

Approval mark : PL DC HR A 1a
 01 01 02 01
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0782

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1a A DC HR PL
 01 02 01 01
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12.5

0782

Right side

- | | | |
|----|--|---|
| 1. | Trade name or mark of the headlamp: | SONAR |
| 2. | Manufacturer's name for the type of device : | SK3401-103054D-EH / SK3402-103054D-EH
For Right Hand Traffic |
| 3. | Manufacturer's name and address : | Sonar Auto Parts Co., Ltd.
No. 427, Sec. 2, Wenhua Rd., Panchiao
District,
New Taipei City, Taiwan, R.O.C. |
| 4. | If applicable, name and address of the manufacturer's representative : | - |
| 5. | Submitted for approval on : | 22.06.2016 ~ 29.06.2017 |
| 6. | Technical Service responsible for conducting approval test: | Vincotte N.V.
Jan Olieslagerslaan 35
1800 Vilvoorde
Belgium |
| 7. | Date of test report issued by that Service : | 1.11.2017 |
| 8. | Number of test report issued by that Service: | H1660549761/272 |

9.	Brief description:	See information document
9.1.	Headlamp submitted for approval as type ⁽²⁾ :	1× D1S
9.2.	The passing beam light source may/ may not ⁽⁴⁾ be lit simultaneously with the driving beam light source and/or another reciprocally incorporated headlamp.	
9.3.	The rated voltage of the device is :	12V, 35W
9.4.	Category (or categories) of light source(s) ⁽³⁾ :	
9.4.1.	If more than one objective luminous flux value is specified; Objective luminous flux value used for the principal passing beam :	3200 lm
9.4.2.	If more than one objective luminous flux value is specified; Objective luminous flux value used for the driving beam :	Not applicable
9.5.	Trade name and identification number of separate ballast(s) or part(s) of ballast(s) :	-
9.6.	The adjustment of the "cut-off" has been determined at :	10 m/25 m ⁽¹⁾
	The determination of the minimum sharpness of the "cut-off" has been carried out at :	10 m/25 m ⁽¹⁾
9.7.	Number and specific identification code(s) of LED module(s) :	-
9.8.	Remarks (if any) :	-
9.9.	Measures according to paragraph 5.4. of this Regulation :	Applicated
10.	Position of approval mark :	On the lamp
11.	Reason(s) for extension (if applicable) :	-
12.	Approval granted / extended / refused / withdrawn ⁽⁴⁾	

13. Place : Brussels
14. Date : 1.11.2017
15. Signature :

ON BEHALF OF THE SECRETARY-GENERAL:



A handwritten signature in blue ink, reading 'R. Verhelst'.

R. VERHELST

16. 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) *Delete where not applicable*



VINÇOTTE nv

Registered office: Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium

VAT BE 0462.513.222 • RPM/RPR Brussels • BNP Paribas Fortis: BE24 2100 4113 6338 • BIC: GEBABEBB

Jan Olieslagerslaan 35 • 1800 Vilvoorde • Belgium • phone: +32 2 674 57 11 • brussels@vincotte.be

ISO/IEC 17020 Accredited inspection body - Accreditation certificate BELAC No. 016-INSP

1. **SUBJECT : HEADLAMPS (WITH GAS-DISCHARGE LIGHT SOURCES)**

R98-01

2. **REF. :** Report number : **H1660549761/272** No. of pages : 1 of 30 No. of annexes : -
BEVASYS : 201609380 Approval No (0782 00) Update : 00

3. **GENERALITIES :**

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3401-103054D-EH / SK3402-103054D-EH

Name and address of the manufacturer :

Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,
New Taipei City, Taiwan, R.O.C.

4. **TESTS :** Date and place : 2016.06.22 to 2017.06.29
SUN-JET VISIBLE LIGHT LABORATORY
Applied document(s) : SONAR SK3401(3402)-103054D-EH / 00
Inspector : LU Wan-Ching
Persons witnessing the tests : LU Wan-Ching
Location of E-mark : On the lamp

5. **CONCLUSIONS :**

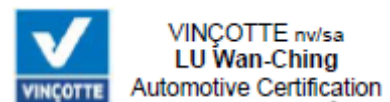
The tests were carried out according to the following specifications :

- UNECE Regulation No. 98 incorporating supplement 08 to the 01 series of amendments.

The models presented comply with the requirements to be applied.

Date : 2017.11.1

Signature :



2BH/LWC-DV

25C-AQ

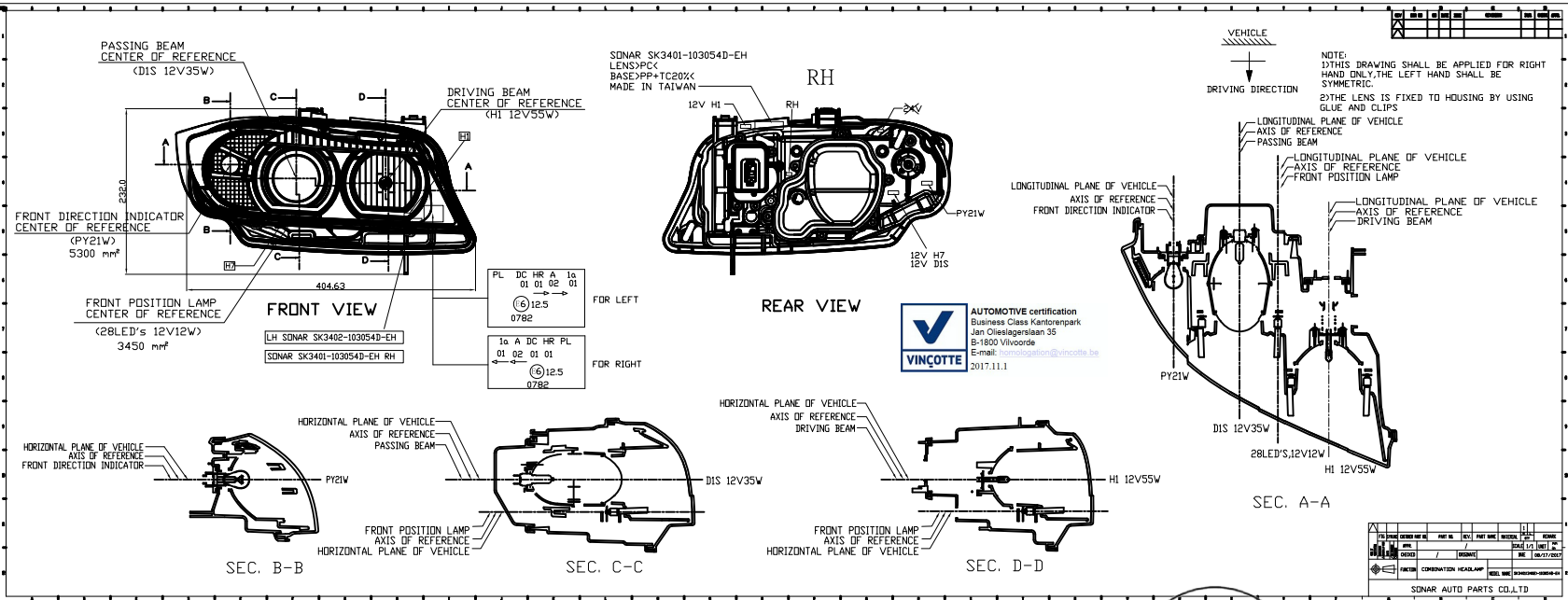
DESCRIPTION OF THE TESTED HEADLAMP

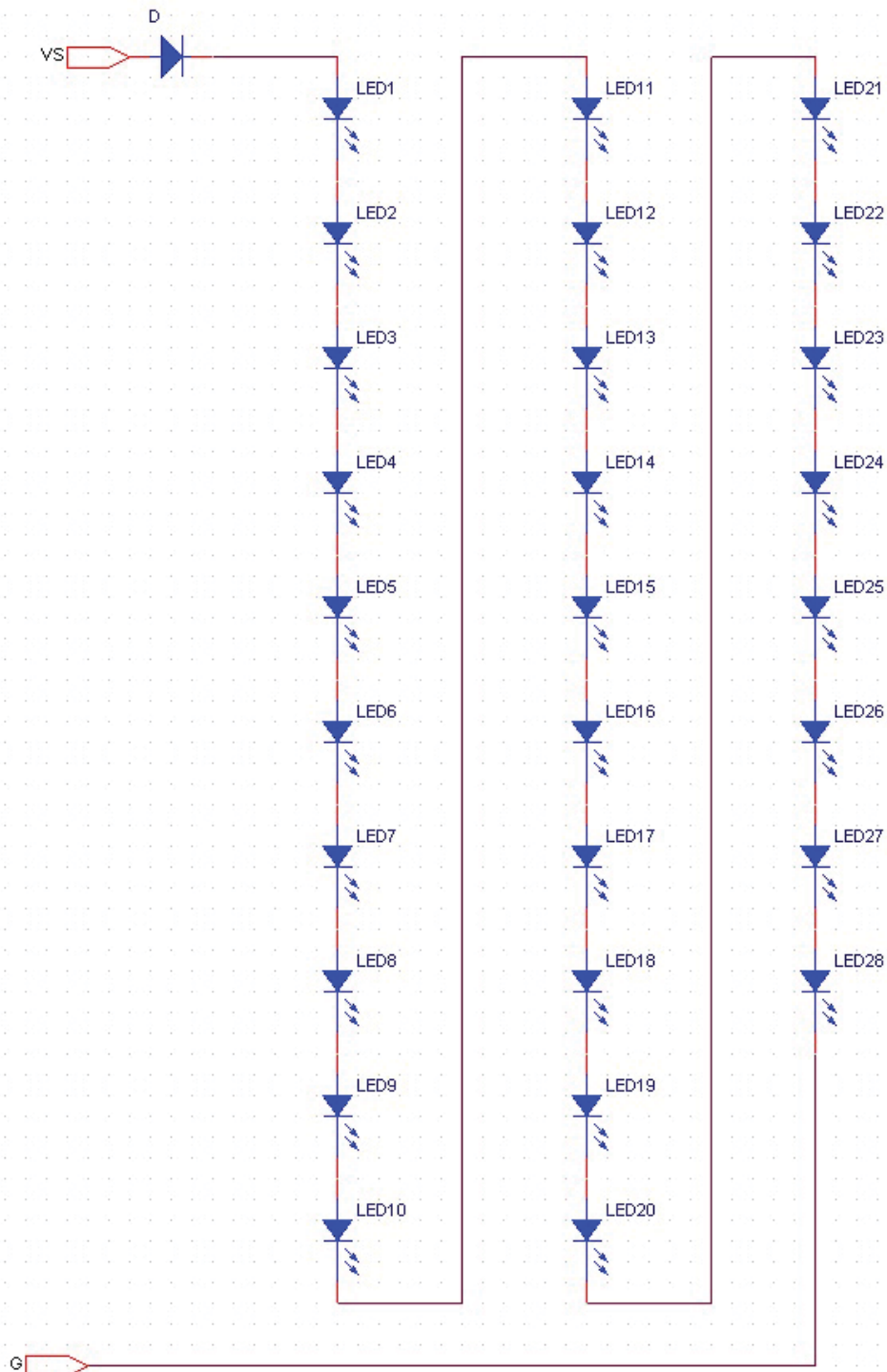
Headlamp/system type : ~~passing beam / driving beam / passing and driving beam~~
 Drive type : ~~left hand traffic / right hand traffic / left and right hand traffic~~
 Adjustable reflector : yes / ~~no~~
 Distributed lighting system : ~~yes~~ / no
 Category of light source : 1xD1S 12V, 35W
 Number of light source(s) : 1

GENERAL SPECIFICATIONS

Characteristics concerned and prescriptions to apply	References	Conformity	Not applied
<p>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, 53 or 86, and their series of amendments in force at the time of application for the lamp type approval shall apply to this Regulation.</p>	5.		
<p>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.</p>			
<p>Each sample shall comply with the specifications set forth in §s 6. to 8. below.</p>	5.1.	X	
<p>Headlamps shall be so made as to retain their prescribed photometric characteristics and to remain in good working order when in normal use, in spite of the vibrations to which they may be subjected.</p>	5.2.		
<p>Headlamps shall be fitted with a device enabling them to be so adjusted on the vehicle as to comply with the rules applicable to them. Such a device need not be fitted on units in which the reflector and the diffusing lens cannot be separated, provided the use of such units is confined to vehicles on which the headlamps setting can be adjusted by other means.</p>	5.2.1.	X	
<p>Where a headlamp providing a principal passing beam and a headlamp providing a driving beam, each equipped with its own light source(s), are assembled to form a composite unit, the adjusting device shall enable each optical system individually to be duly adjusted. The same provision applies to headlamps providing a front fog lamp beam and a driving beam, and to headlamps providing a principal passing beam and a front fog lamp beam, and to headlamps providing these three beams.</p>			
<p>However, these provisions shall not apply to headlamp assemblies whose reflectors are indivisible. For this type of assembly, the requirements of § 6.3. of this Regulation shall apply.</p>	5.2.2.		X
<p>Headlamps designed to satisfy the requirements of both right-hand and of left-hand traffic may be adapted for traffic on a given side of the road either by an appropriate initial setting when fitted on the vehicle or by selective setting by the user. Such initial or selective setting may consist, for example, of fixing either the optical unit at a given angle on the vehicle or the light source(s) at a given angle in relation to the optical unit. In all cases, only two different and clearly distinct settings, one for right-hand and one for left-hand traffic, shall be possible, and the design shall preclude inadvertent shifting from one setting to the other or setting in an intermediate position. Where two different setting positions are provided for the light source, the components for attaching the light source to the reflector must be so designed and made that, in each of its two settings, the light source will be held in position with the precision required for headlamps designed for traffic on only one side of the road. Conformity with the requirements of this § shall be verified by visual inspection and, where necessary, by a test fitting.</p>	5.3.		X







SK3401(3402)-103054D-EH SCH		
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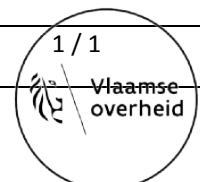
Index to the information package of a type approval with regard to a Regulation (UNECE) :

Last applicable Series of amendments	Base approval and update No	Extension No	Revision No	Issue date	Information document	
					Reference	Number of pages
R112-01	00	-	-	1.11.2017	SONAR SK3401(3402)-103054D-EH / 00	5

Approved and to be attached to the approval certificate,

R. VERHELST

Updated Approval No:	E6*112R01/07*0782*00	BEVASYS :	201609383
Update No :	00	Issue date :	1.11.2017





Communication concerning :

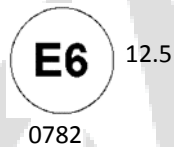
- Approval granted ⁽¹⁾
- ~~Approval extended ⁽⁴⁾~~
- ~~Approval refused ⁽⁴⁾~~
- ~~Approval withdrawn ⁽⁴⁾~~
- ~~Production definitively discontinued ⁽⁴⁾~~

of a type of headlamp, pursuant to Regulation No.112

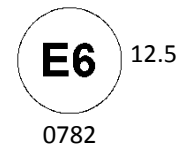
Approval No : E6*112R01/07*0782*00 Extension No : -

Approval mark : PL DC HR A 1a
01 01 02 01
→ →

1a A DC HR PL
01 02 01 01
← ←



Left side



Right side

- | | | |
|----|--|--|
| 1. | Trade name or mark of the device: | SONAR |
| 2. | Manufacturer's name for the type of device : | SK3401-103054D-EH / SK3402-103054D-EH |
| 3. | Manufacturer's name and address : | Sonar Auto Parts Co., Ltd.
No. 427, Sec. 2, Wenhua Rd., Panchiao District,
New Taipei City, Taiwan, R.O.C. |
| 4. | If applicable, name and address of the manufacturer's representative : | - |
| 5. | Submitted for approval on : | 22.06.2016 ~ 28.06.2017
SUN-JET VISIBLE LIGHT LABORATORY
21.08.2017
SUN-JET VISIBLE LIGHT LABORATORY |
| 6. | Technical Service responsible for conducting approval test: | Vincotte N.V.
Jan Olieslagerslaan 35
1800 Vilvoorde
Belgium |
| 7. | Date of test report issued by that Service : | 1.11.2017 |
| 8. | Number of test report issued by that Service: | H1660549761/273 |

9.	Brief description:	See information document
	Category as described by the relevant marking ⁽²⁾ :	HR PL
	Number and category(ies) of filament lamp(s) :	1 × H1
	Reference luminous flux used for the principal passing-beam :	-
	Principal passing-beam operated at approximately :	13.2 V
	Measures according to paragraph 5.8. of this Regulation :	Not applied
	Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not :	Yes / No ⁽¹⁾
	Number and specific identification code(s) of electric light source control gear(s) :	-
	Total objective luminous flux as described in paragraph 5.9. exceeds 2,000 lumens :	Yes / No / Does not apply ⁽¹⁾
	The adjustment of the "cut-off" has been determined at :	10 m/25 m/Does not apply ⁽⁴⁾
	The determination of the minimum sharpness of the "cut-off" has been carried out at :	10 m/25 m/Does not apply ⁽¹⁾
10.	Approval mark position :	On the lamp
11.	Reason(s) for extension of approval :	-
12.	Approval granted / extended / refused / withdrawn ⁽⁴⁾	



VINÇOTTE nv

Registered office: Jan Olieslagerslaan 35 ▪ 1800 Vilvoorde ▪ Belgium

VAT BE 0462.513.222 ▪ RPM/RPR Brussels ▪ BNP Paribas Fortis: BE24 2100 4113 6338 ▪ BIC: GEBABEBB

Jan Olieslagerslaan 35 ▪ 1800 Vilvoorde ▪ Belgium ▪ phone: +32 2 674 57 11 ▪ brussels@vincotte.be

ISO/IEC 17020 Accredited inspection body - Accreditation certificate BELAC No. 016-INSP

1. **SUBJECT : HEADLAMPS**

R112-01

2. **REF. :** Report number : **H1660549761/273** No. of pages : 1 of 31 No. of annexes : -
Bevasys : 201609383 Approval No. : (0782 00) Update : 00

3. **GENERALITIES :**

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3401-103054D-EH / SK3402-103054D-EH

Name and address of the manufacturer :

Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,
New Taipei City, Taiwan, R.O.C.

4. **TESTS :** Date and place : 2017.08.21
SUN-JET VISIBLE LIGHT LABORATORY
2016.06.22 to 2017.06.28
SUN-JET VISIBLE LIGHT LABORATORY
Applied document(s) : SONAR SK3401(3402)-103054D-EH / 00
Inspector : LU Wan-Ching
Persons witnessing the tests : LU Wan-Ching
Location of E-mark : On the lamp

5. **CONCLUSIONS :**

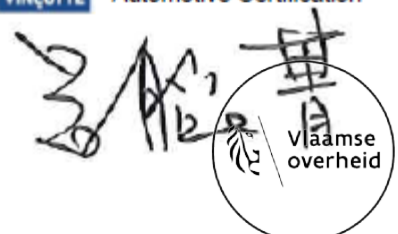
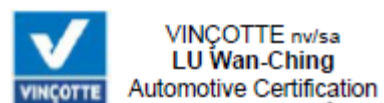
The tests were carried out according to the following specifications :

- UNECE Regulation No. 112 incorporating supplement 7 to the 01 series of amendments.

The models presented comply with the requirements to be applied.

Date : 2017.11.1

Signature :



2BH/LWC-DV

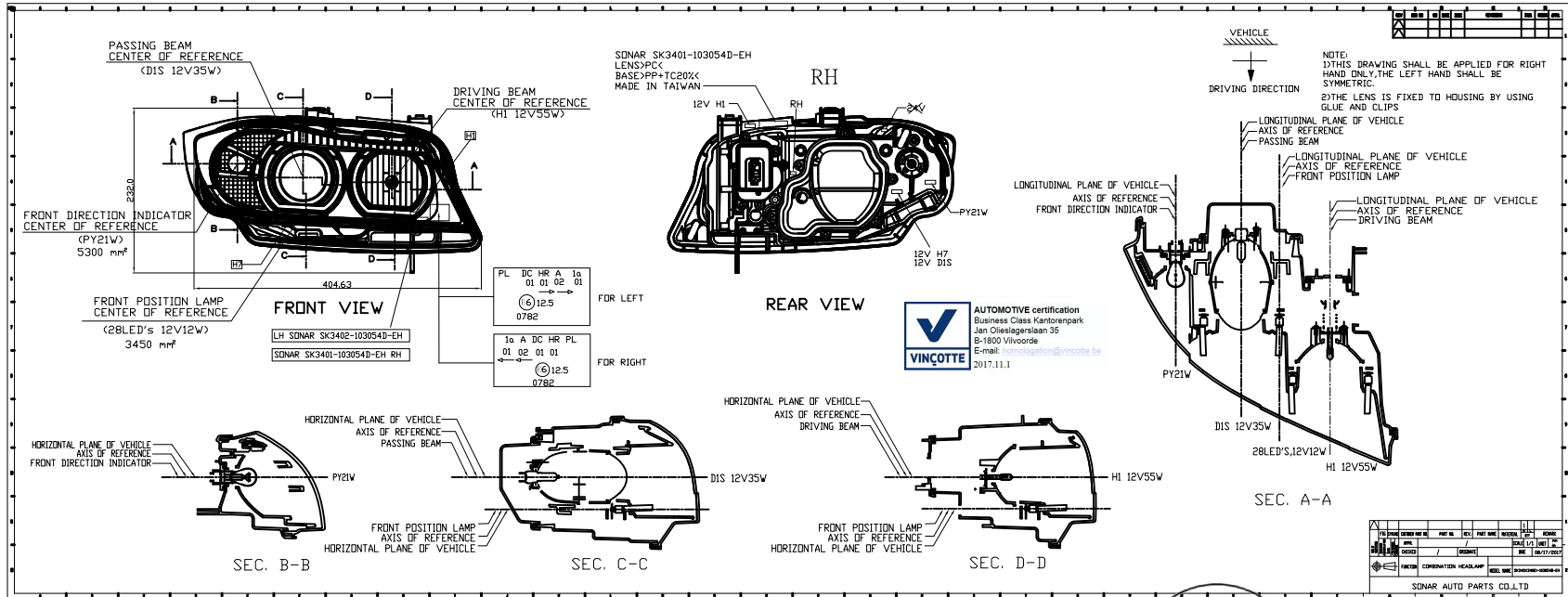
25E-AS

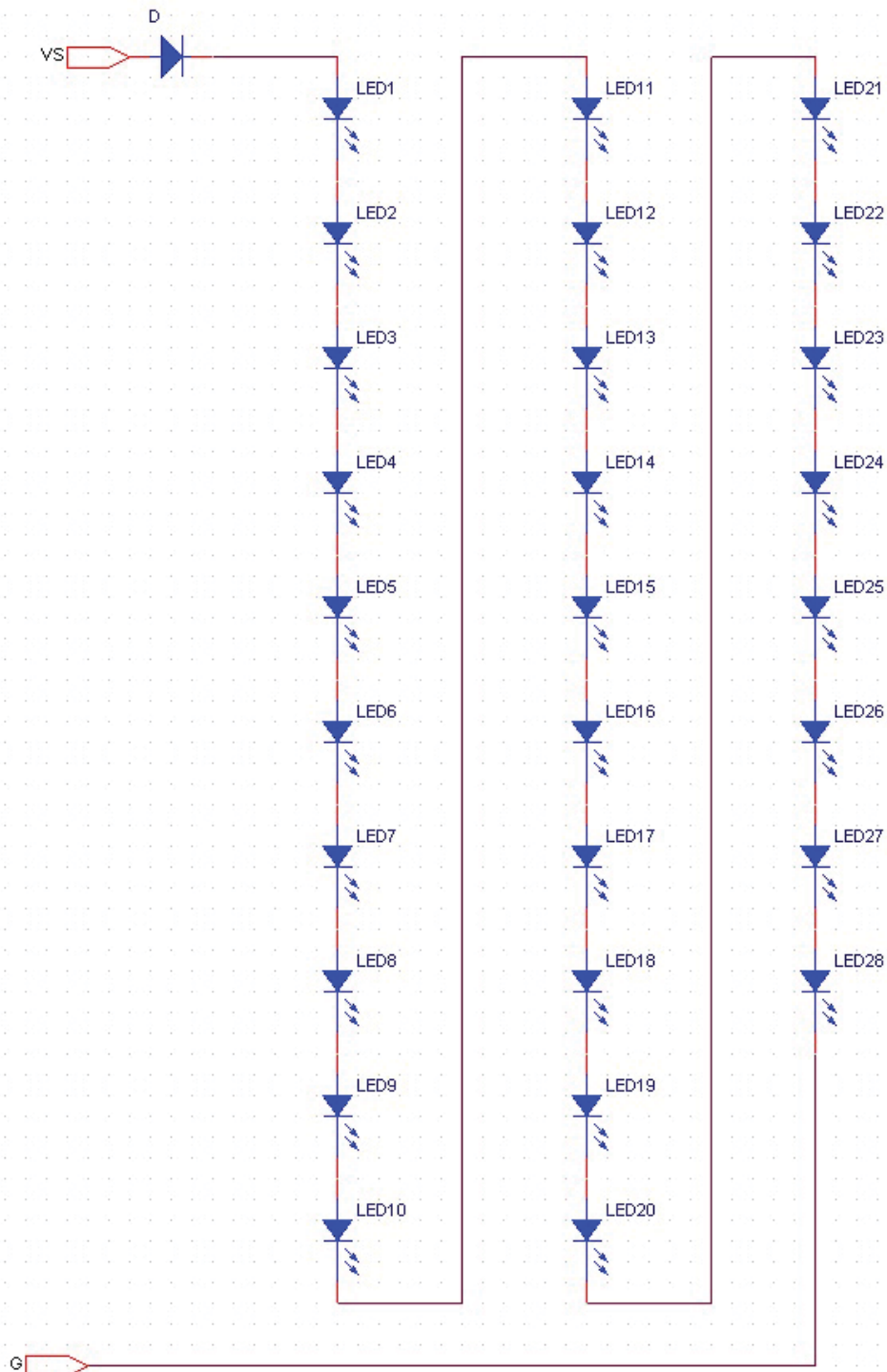
DESCRIPTION OF THE TESTED HEADLAMP

Headlamp type : ~~passing beam~~ / driving beam / ~~passing and driving beam~~
 Drive type : ~~left hand traffic~~ / right hand traffic / ~~left and right hand traffic~~
 Adjustable reflector : ~~yes~~ / no
 Headlamp class : A / B
 Category and kind of light source(s) : 1×H1 12V, 55W
 Number of light source(s) : 1

GENERAL SPECIFICATIONS

Characteristics concerned and prescriptions to apply	References	Conformity	Not applied
<p>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, 53, 74 or 86, and their series of amendments in force at the time of application for the lamp type approval shall apply to this Regulation.</p> <p>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.</p> <p>Each lamp shall be conform to the specifications of § 6 to § 8.</p> <p>Headlamps shall be so made as to retain their prescribed photometric characteristics and to remain in good working order when in normal use, in spite of the vibrations to which they may be subjected.</p> <p>Headlamps shall be fitted with a device enabling them to be so adjusted on the vehicles as to comply with the rules applicable to them. Such a device need not be fitted on units in which the reflector and the diffusing lens cannot be separated, provided the use of such units is confined to vehicles on which the headlamp setting can be adjusted by other means.</p> <p>Where a headlamp providing a principal passing beam and a headlamp providing a driving beam, each equipped with its own filament lamp or LED module(s), the adjusting device shall enable the principal passing beam and the driving beam to be adjusted individually.</p> <p>However, these provisions shall not apply to headlamp assemblies whose reflectors are indivisible. For this type of assembly the req.of § 6.3. of this Regulation apply.</p>	<p>5.</p> <p>5.1.</p> <p>5.2.</p> <p>5.2.1.</p> <p>5.2.2.</p>	<p>X</p> <p>X</p> <p>X</p>	<p>X</p>





AUTOMOTIVE certification
 Business Class Kantorenpark
 Jan Olieslagerlaan 35
 B-1800 Vilvoorde
 E-mail: homologation@vincotte.be
 2017.11.1



SK3401(3402)-103054D-EH SCH		
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