Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2 – 1000 Brussel

Tel : 02-553 72 57

Fax: 02-553 71 08 homologatie.voertuigen@mow.vlaanderen.be

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

Last applicable Series of	Base	Extension No	Revision No	Issue date	Information document	
amendments	approval and update No	14			Reference	Number of pages
R06-01	00	7 - 1	7.6	09.01.2018	SONAR SK3481(3482)-10312 / 00	8

Approved and to be attached to the approval certificate,

R. VERHELST

 Updated Approval No:
 E6*06R01/27*0378*00
 BEVASYS:
 201302503

 Update No:
 00
 Issue date:
 09.01.2018
 1/1

 Vlaamse overheid
 Vlaamse overheid



Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2-1000 Brussel

Tel: 02-553 72 57 Fax: 02-553 71 08

homologatie.voertuigen@mow.vlaanderen.be



Communication concerning:

- Approval granted (1)

- Approval extended (1)

- Approval refused (1)

- Approval withdrawn (1)

- Production definitively discontinued (1)

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

Approval No: E6*06R01/27*0378*00 Extension No:

Approval mark:

RL HCR A 1a 00 01 02 01 → → E6 10 PL

0378 Right hand

1. Trade name or mark of device : SONAR

2. Manufacturer's name for the type of device : SK3481-10312 / SK3482-10312

Left hand

3. Manufacturer's name and address : Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,

E6

10 PL

New Taipei City, Taiwan, R.O.C.

1a A HCR RL

01 02 01 00 ← ←

4. If applicable, name and address of the manufacturer's representative :

5. Submitted for approval on : 19.04.2017 ~ 17.05.2017

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: 09.01.2018

8. Number of test report issued by that Service: H1760607082/112

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201302503

Vlaamse 0 1/3

9. Concise description : See information document

Category: 1, 1a, 1b, 2a, 2b, 5, 6 (1)

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 (1)

is mobiliteit &

Vlaamse Overheid 2/3

13. Place: Brussels

14. Date: 09.01.2018

15. Signature:

ON BEHALF OF THE SECRETARY-GENERAL:



Verhels

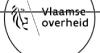
R. VERHELST

- 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

BEVASYS: 201302503 R06-01

Vlaanderen
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3/3



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

2. **REF.**: Report number : **H1760607082/112** No. of pages : 1 of 13 No. of annexes : -

Bevasys : 201302503 Approval No. : (0378 00) Update : 00

3. **GENERALITIES**:

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3481-10312 / SK3482-10312

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 : 2017.04.19 to 2017.05.17

SUN-JET VISIBLE LIGHT LABORATORY

Applied document(s) : SONAR SK3481(3482)-10312 / 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: 2018.01.09 Signature:

VINCOTTE nv/sa
LU Wan-Ching
Automotive Certification
VIaamse
overheid

R6-01

2BH/LWC-DV 23A-AK



Report: H1760607082/112 Page 2 of 13

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 applicated
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.	5.		
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.			
Each device supplied shall conform to the specifications set forth in § 6 and § 8 below.	5.1.	X	
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.	5.2.	X	
In the case of light source modules, it shall be checked that:	5.3.		X
The design of the light source module(s) shall be such as	5.3.1.		
(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 can not be interchanged within the same lamp housing			
The light source module(s) shall be tamperproof.	5.3.2.		
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	5.3.3		
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.	5.4		X
In the case of replaceable filament lamp(s):	5.5.	X	
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.	5.5.1.		
The design of the device shall be such that light source cannot be fixed in any other position but the correct one.	5.5.2.		
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.	5.5.3.	Vlaar overh	nse neid

SONAR AUTO PARTS CO., LTD.

Head Office:

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

Taipei Plant:

No.263, Yingtao Rd. Yingge District, New Taipei City, Taiwan R.O.C

Tainan Plant:

No. 185, Sec. 1, Jhongshan Rd., Guiren District, Tainan City, Taiwan, R.O.C.

COMBINATION HEADLAMP

SONAR SK3481-10312 / SK3482-10312 for Right Hand Traffic

Application: original Date: March 13, 2013

Total number of pages: 8





Manufacturer name and address: Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,

New Taipei City, Taiwan, R.O.C.

Trade name or mark : SONAR

Type of device : SK3481-10312 / SK3482-10312

SPECIFICATIONS

Function-Application-class category lamp and colour



Trade	name or mark			SONAR		
		Headlamp		Front	Front (1)	Daytime (1)
Functi	ion	Driving Beam	Passing Beam	Direction Indicator	Position Lamp	Running Lamp
ECE I	Regulation	112-01	112-01	6-01	7-02	87-00
ECE	Keguiauon	Supplement 7	Supplement 7	Supplement 27	Supplement 26	Supplement 19
Class		В	В	-	-	-
Catego	ory	-	-	1a	A	-
	er, category and of lamp source(s)	1×H7	1×H7	1×PY21W	30LEDs / 1 light source	30LEDs / 1 light source
Voltag	ge and wattage	12V, 55W	12V, 55W	12V, 21W	12V, 3W	12V, 13.5W
Long	Outer	Clear	Clear	Clear	Clear	Clear
Lens	Filter (Inner)	Clear	Clear	Clear	Clear	Clear
Colou	r of light emitted	White	White	Amber	White	White

⁽¹⁾ Front position lamp, which is reciprocally incorporated with daytime running lamp.

TECHNICAL DATA

Part		Material	Remark
	Outer	PC (polycarbonate)	GE ⁽²⁾
Lens	Filter (Inner)	PC (polycarbonate)	GE ⁽²⁾
	Filter (Inner) for passing beam and driving beam	Glass	-
Reflec	tor	PBT+PET+M20% (3)	Adjustable
Housi	ng	PP + GF30%	-

⁽²⁾ The base material of lens: Type number is LEXAN Resin LS2 from GE Advanced Materials.

MARKING

Mark	Location	
Trade name or mark	SONAR	See drawing
Approval marks	0378	See drawing
LED module code	-	√Ø\°\ Vlaamse

The hard coating: Type number is UVT 2008 from Shiang Yuan.

⁽³⁾ There are two kinds of sub-reflectors, one is electroplate and the other is black.

DRAWINGS				
Reference	Version			
SK3481(3482) 10312-1	2017.05.08			
SK3481(3482) 10312-2	2017.05.08			
SK3481(3482) 10312-3	2017.05.08			
SK3481(3482) 10312-4	2017.05.08			
SK3481(3482) 10312-5	2017.05.08			

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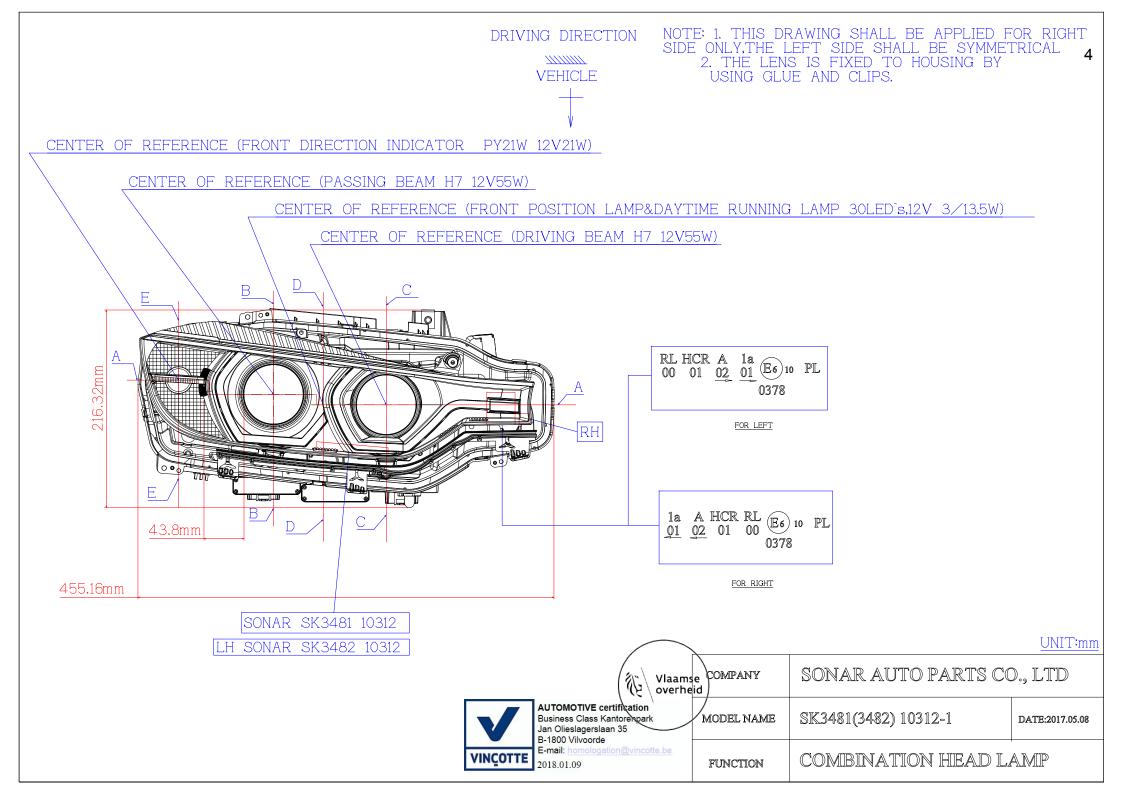


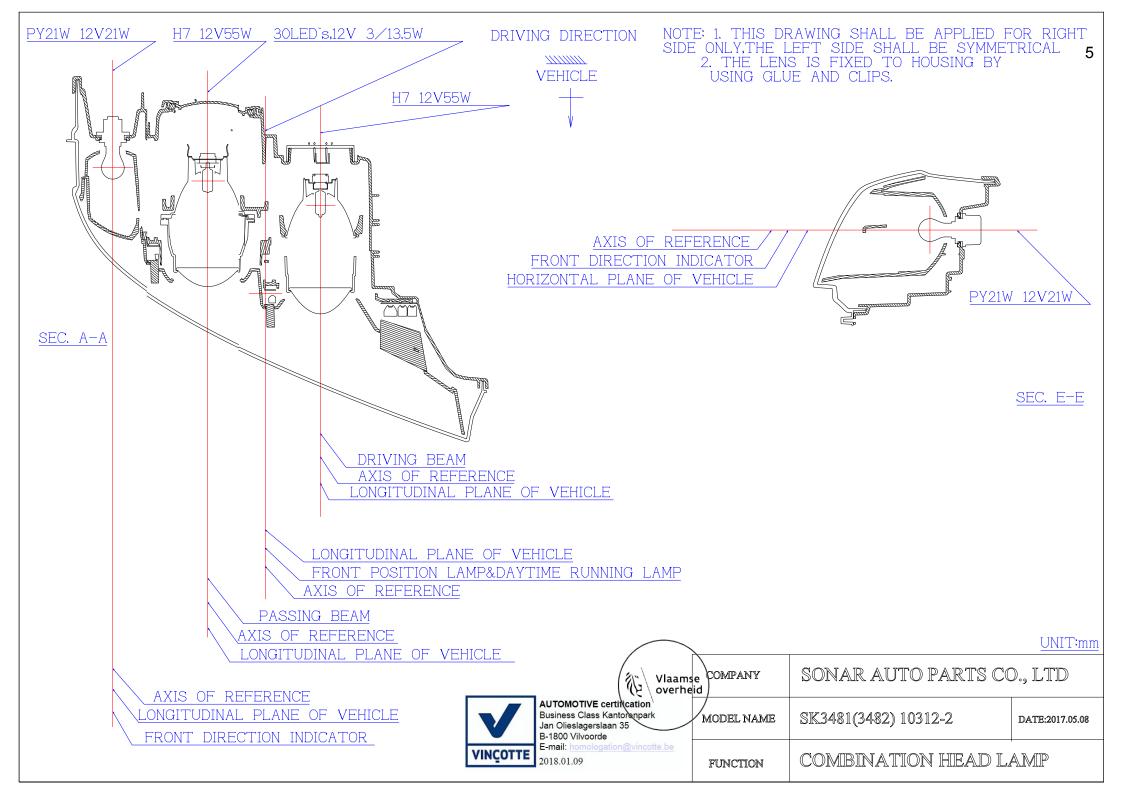
AUTOMOTIVE certification Business Class Kantorenpark Jan Olieslagerslaan 35 B-1800 Vilvoorde

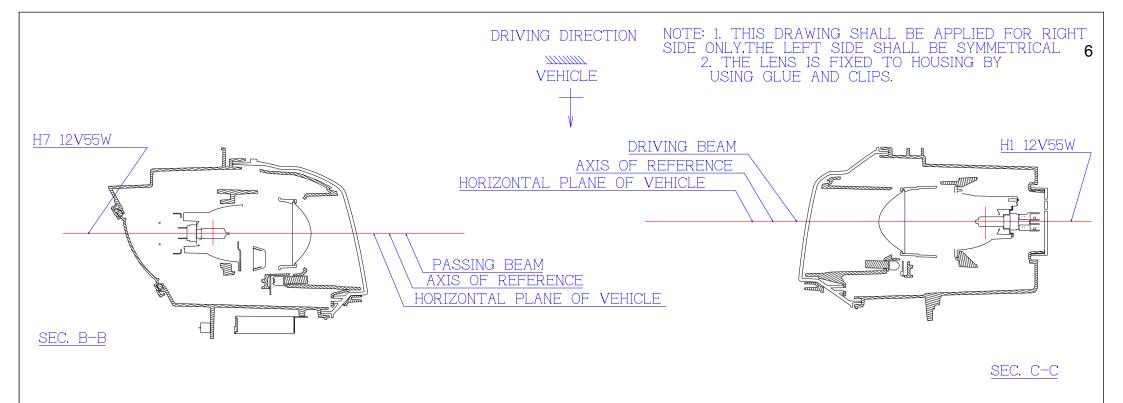
E-mail: homologation@vincotte.be

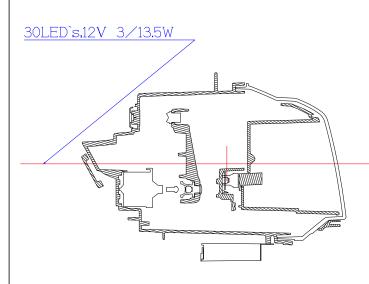
2018.01.09











SEC. D-D

VIaamse overheid

VIaamse overheid

AUTOMOTIVE certification
Business Class Kantohopark
Jan Olieslagerslaan 35
B-1800 Vilvoorde
E-mail: homologation@vincotte.be
2018.01.09

FUNCTION

SONAR AUTO PARTS CO., LTD

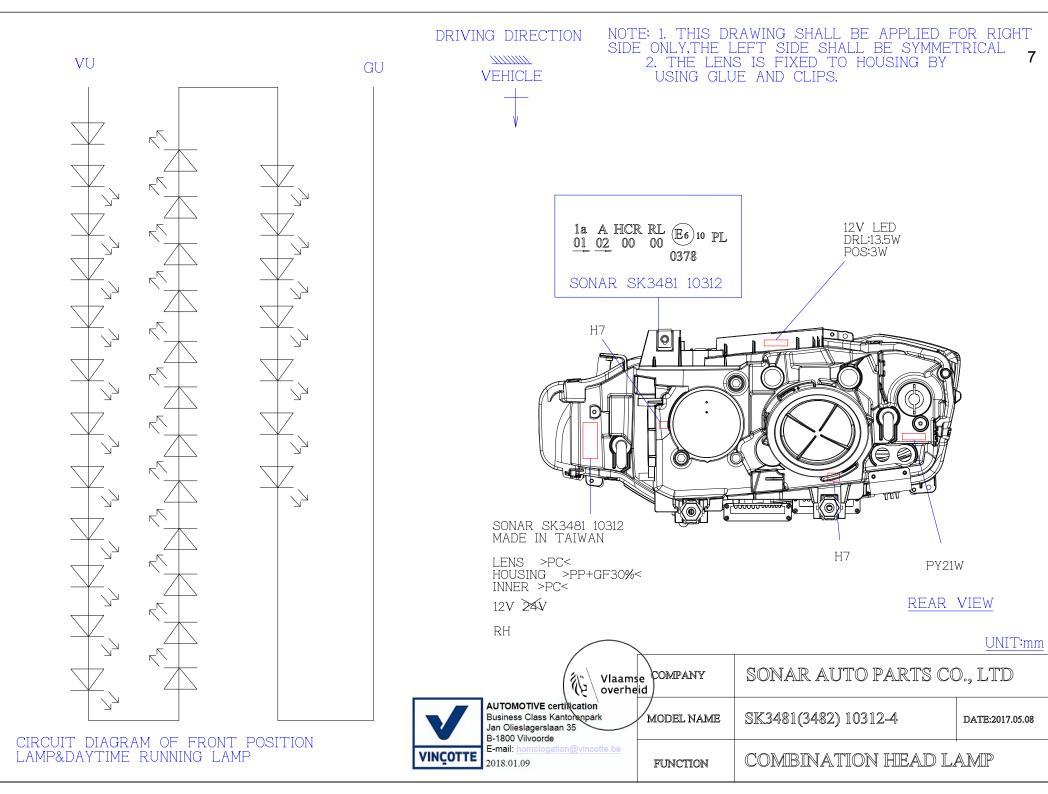
MODEL NAME
SK3481(3482) 10312-3

DATE:2017.05.08

FUNCTION

COMBINATION HEAD LAMP

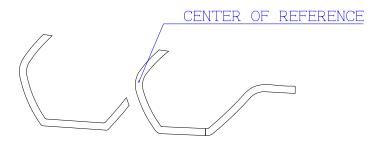
UNIT:mm



DRIVING DIRECTION

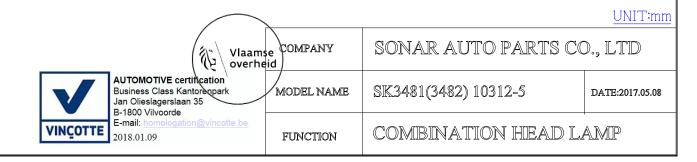
VEHICLE

NOTE: 1. THIS DRAWING SHALL BE APPLIED FOR RIGHT SIDE ONLY, THE LEFT SIDE SHALL BE SYMMETRICAL 8
2. THE LENS IS FIXED TO HOUSING BY USING GLUE AND CLIPS.



面積:3849平方mm

ILLUMINATING SURFACE OF FRONT POSITION LAMP&DAYTIME RUNNING LAMP



Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2 – 1000 Brussel

> Tel: 02-553 72 57 Fax: 02-553 71 08

homologatie.voertuigen@mow.vlaanderen.be

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

Last applicable Series of	Base	Extension No	Revision No	Issue date	Information document	
amendments	approval and update No	14			Reference	Number of pages
R07-02	00	7 - 1	7.6	09.01.2018	SONAR SK3481(3482)-10312 / 00	8

Approved and to be attached to the approval certificate,

R. VERHELST

 Updated Approval No:
 E6*07R02/26*0378*00
 BEVASYS:
 201302504

 Update No:
 00
 Issue date:
 09.01.2018
 1/1

 Vlaamse overheid
 Vlaamse overheid
 Vlaamse overheid



Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2 - 1000 Brussel

Tel: 02-553 72 57 Fax: 02-553 71 08

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Communication concerning:

Approval granted (1)

Approval extended (1)

Approval refused (1)

Approval withdrawn (1)

Production definitively discontinued (1) of a type of device, pursuant to Regulation No.07

E6*07R02/26*0378*00 Approval No: Extension No:

Approval mark:

RL HCR A 1a **E6** 00 01 02 01 10 PL \rightarrow 0378

Left hand

1a A HCR RL E6 10 PL 01 02 01 00 \leftarrow 0378

Right hand

Trade name or mark of device: 1.

2. Manufacturer's name for the type of device :

Manufacturer's name and address: 3.

SONAR

SK3481-10312 / SK3482-10312

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: 19.04.2017 ~ 17.05.2017

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: 09.01.2018

8. Number of test report issued by that Service : H1760607082/113

Vlaanderen is mobiliteit &

BEVASYS:

1/3 Vlaamse overheid

9.	Concise description :	See information document
9.1.	By category of lamp :	A
	For mounting either outside or inside or both (1)	
	Colour of light emitted :	White / Red ⁽¹⁾
	Number, category and kind of light source(s):	30LEDs / 1 light source
	Voltage and wattage :	12V, 3W
	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⁾ 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 $^{(1)}$ 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	dent lamp system :
	Front position lamp :	Yes / No (1)
	R1 Rear position lamp :	Yes / No '**
	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 (1)	

R07-02

Vlaanderen is mobiliteit & openbare werken

201302504

BEVASYS:

Vlaamse 2/3

13. Place: Brussels

14. Date: 09.01.2018

15. Signature:

ON BEHALF OF THE SECRETARY-GENERAL:



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

BEVASYS: 201302504 R07-02 Vlaamse overheid





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

VAT BE 0402.515.222 - NEWMER Blussels - BINE Failbas Folia. BE24 2100 4113 0550 - BIC. GEBAB

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

R7-02

: 00

No. of annexes: -

STOP-LAMPS

END-OUTLINE MARKER LAMPS

2. **REF.**: Report number : **H1760607082/113** No. of pages : 1 of 13

Bevasys : 201302504 Approval No. : (0378 00) Update

3. **GENERALITIES**:

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3481-10312 / SK3482-10312

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 : 2017.04.19 to 2017.05.17

SUN-JET VISIBLE LIGHT LABORATORY

Applied document(s) : SONAR SK3481(3482)-10312 / 00

Inspector : LU Wan-Ching

Persons witnessing the tests : LU Wan-Ching

Location of E-mark : On the lamp

5. CONCLUSIONS:

Date: 2018.01.09

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.

Signature:

VINCOTTE nv/sa
LU Wan-Ching
Automotive Certification

2BH/LWC-DV 22A-AS



Page 2 of 13 Report: H1760607082/113

DESCRIPTION OF THE TESTED LAMP

Front position lamp, which is reciprocally incorporated with daytime running lamp. Lamp type

Lamp category Category and kind of light A LED

source(s)

30LEDs / 1 light source

Voltage and wattage 12V, 3W

GENERAL SPECIFICATIONS

Number of light source(s)

Characteristics concerned and prescriptions to apply	References	Conformity	Not applicated
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. 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.	5.		
Each device supplied shall conform to the specifications set forth in § 6 and 8 below.	5.1.	X	
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.	5.2.	X	
Lamps having been approved as front or rear position lamps, are deemed being also approved end-outline marker lamps.	5.3.		X
Front and rear position lamps which are grouped or combined or reciprocally incorporated may also be used as end-outline marker lamps.	5.4.		X
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.	5.5.	X	
 However, in the case of rear position lamp reciprocally incorporated with a stop lamp, the device shall either: (a) Be a part of a multiple light source arrangement, or (b) Be intended for use in a vehicle equipped with a failure monitoring system for that function. In either case, a note shall be made within the communication document. 	5.5.1.		X
In the case of light source modules, it shall be checked that:	5.6.		X
 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 can not be interchanged within the same lamp housing. 	5.6.1.		
The light source module(s) shall be tamperproof. 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.	5.6.2. 5.6.3.		
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).	5.7	Vlaa over	mse heid

SONAR AUTO PARTS CO., LTD.

Head Office:

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

Taipei Plant:

No.263, Yingtao Rd. Yingge District, New Taipei City, Taiwan R.O.C

Tainan Plant:

No. 185, Sec. 1, Jhongshan Rd., Guiren District, Tainan City, Taiwan, R.O.C.

COMBINATION HEADLAMP

SONAR SK3481-10312 / SK3482-10312 for Right Hand Traffic

Application: original Date: March 13, 2013

Total number of pages: 8





Manufacturer name and address: Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,

New Taipei City, Taiwan, R.O.C.

Trade name or mark : SONAR

Type of device : SK3481-10312 / SK3482-10312

SPECIFICATIONS

Function-Application-class category lamp and colour



Trade	name or mark	SONAR				
		Headlamp		Front	Front (1)	Daytime (1)
Functi	ion	Driving Beam	Passing Beam	Direction Indicator		Running Lamp
ECE I	Regulation	112-01	112-01	6-01	7-02	87-00
ECE	Regulation	Supplement 7	Supplement 7	Supplement 27	Supplement 26	Supplement 19
Class		В	В	-	-	-
Catego	ory	-	-	1a	A	-
	er, category and of lamp source(s)	1×H7	1×H7	1×PY21W	30LEDs / 1 light source	30LEDs / 1 light source
Voltag	ge and wattage	12V, 55W	12V, 55W	12V, 21W	12V, 3W	12V, 13.5W
Long	Outer	Clear	Clear	Clear	Clear	Clear
Lens	Filter (Inner)	Clear	Clear	Clear	Clear	Clear
Colou	r of light emitted	White	White	Amber	White	White

⁽¹⁾ Front position lamp, which is reciprocally incorporated with daytime running lamp.

TECHNICAL DATA

Part		Material	Remark
	Outer	PC (polycarbonate)	GE (2)
Lens	Filter (Inner)	PC (polycarbonate)	GE ⁽²⁾
	Filter (Inner) for passing beam and driving beam	Glass	-
Reflec	tor	PBT+PET+M20% (3)	Adjustable
Housi	ng	PP + GF30%	-

⁽²⁾ The base material of lens: Type number is LEXAN Resin LS2 from GE Advanced Materials. The hard coating: Type number is UVT 2008 from Shiang Yuan.

MARKING

Marki	Location	
Trade name or mark	SONAR	See drawing
Approval marks	0378	See drawing
LED module code	-	√8/3 Vlaamse
		overheid

⁽³⁾ There are two kinds of sub-reflectors, one is electroplate and the other is black.

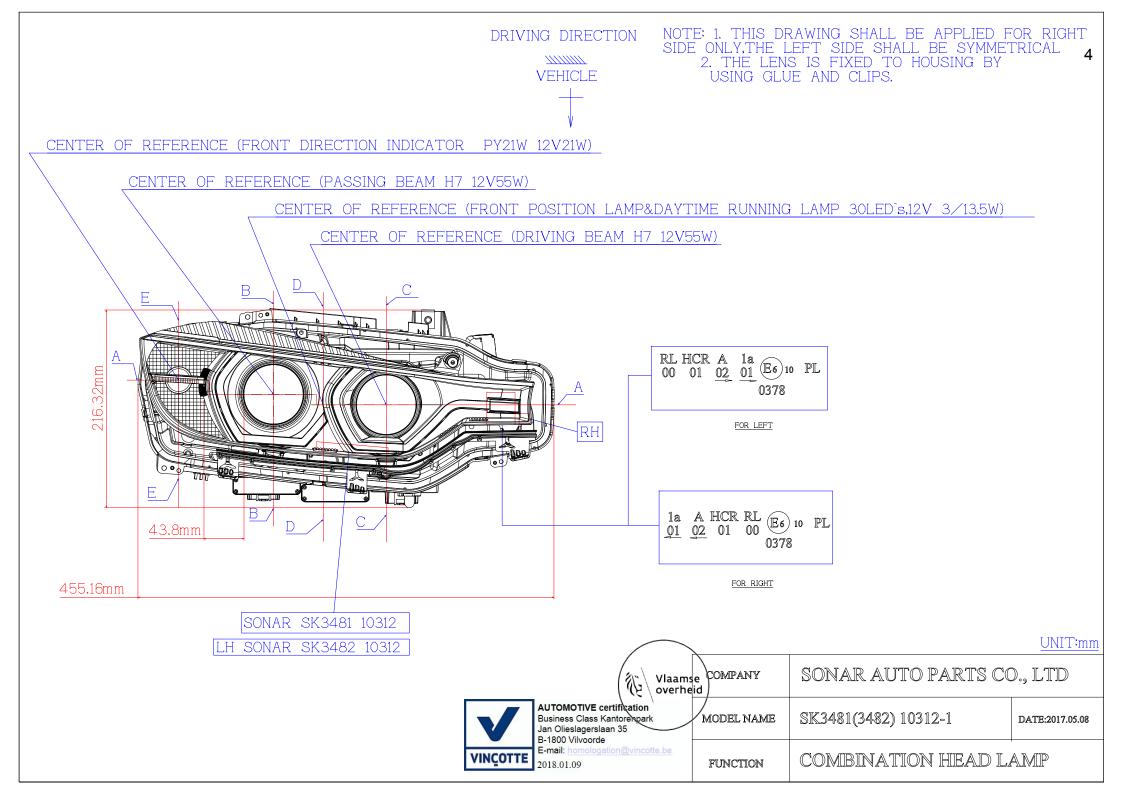
DRAWINGS				
Reference	Version			
SK3481(3482) 10312-1	2017.05.08			
SK3481(3482) 10312-2	2017.05.08			
SK3481(3482) 10312-3	2017.05.08			
SK3481(3482) 10312-4	2017.05.08			
SK3481(3482) 10312-5	2017.05.08			

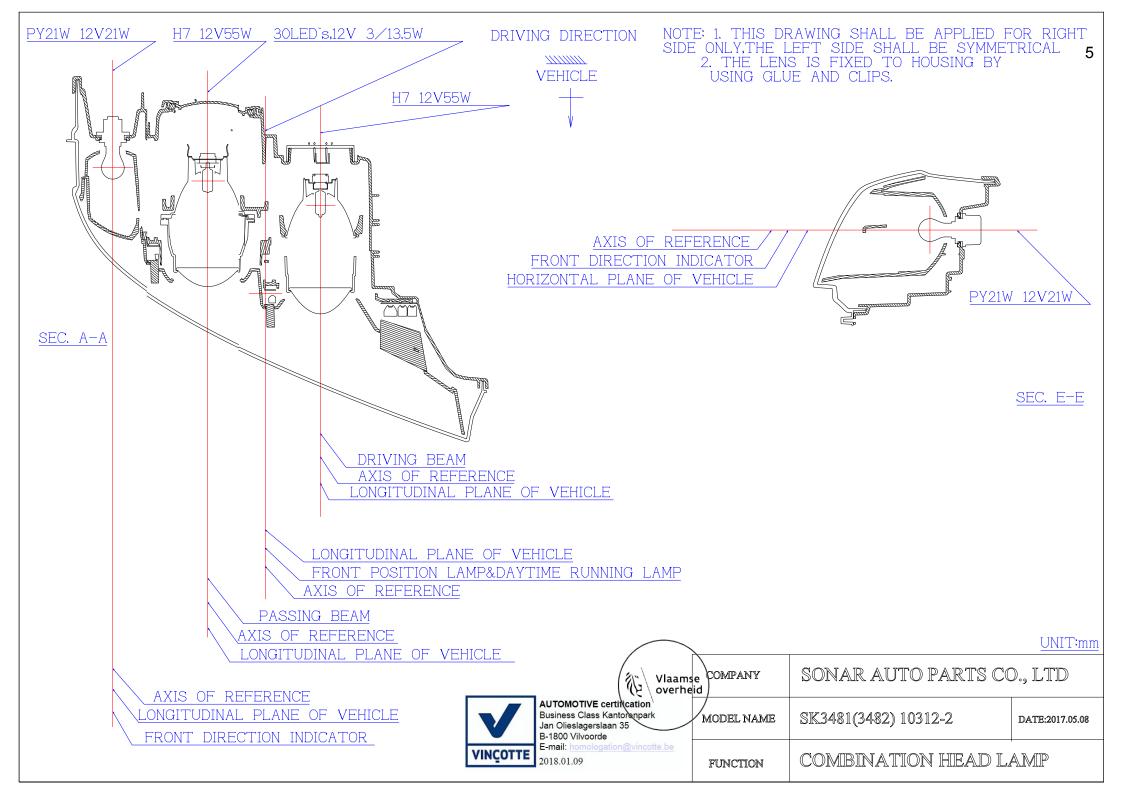
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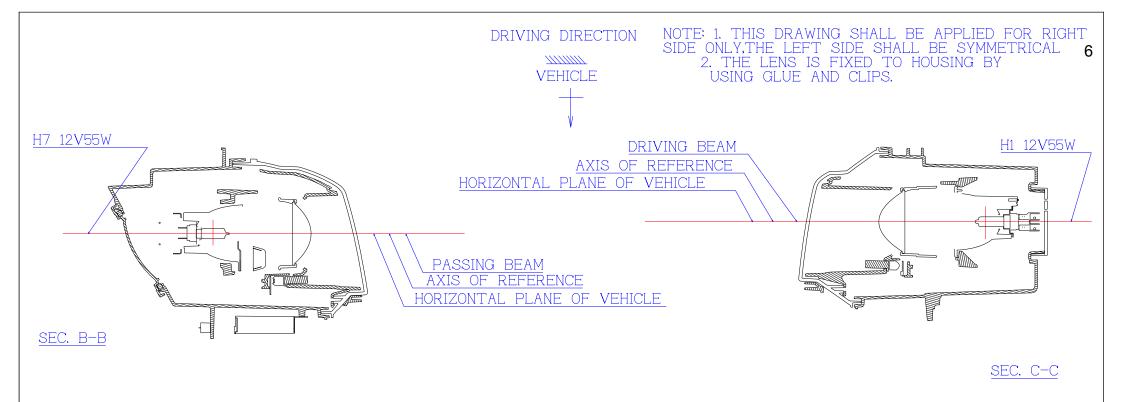


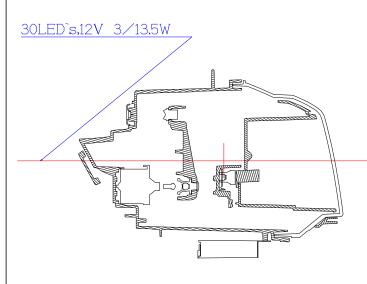
AUTOMOTIVE certification
Business Class Kantorenpark
Jan Olieslagerslaan 35
B-1800 Vilvoorde
E-mail: homologation@vincotte.be











SEC. D-D

VIaamse overheid

AUTOMOTIVE certification
Business Class Kantohopark
Jan Olieslagerslaan 35
B-1800 Vilvoorde
E-mail: homologation@vincotte.be
2018.01.09

FUNCTION

SONAR AUTO PARTS CO., LTD

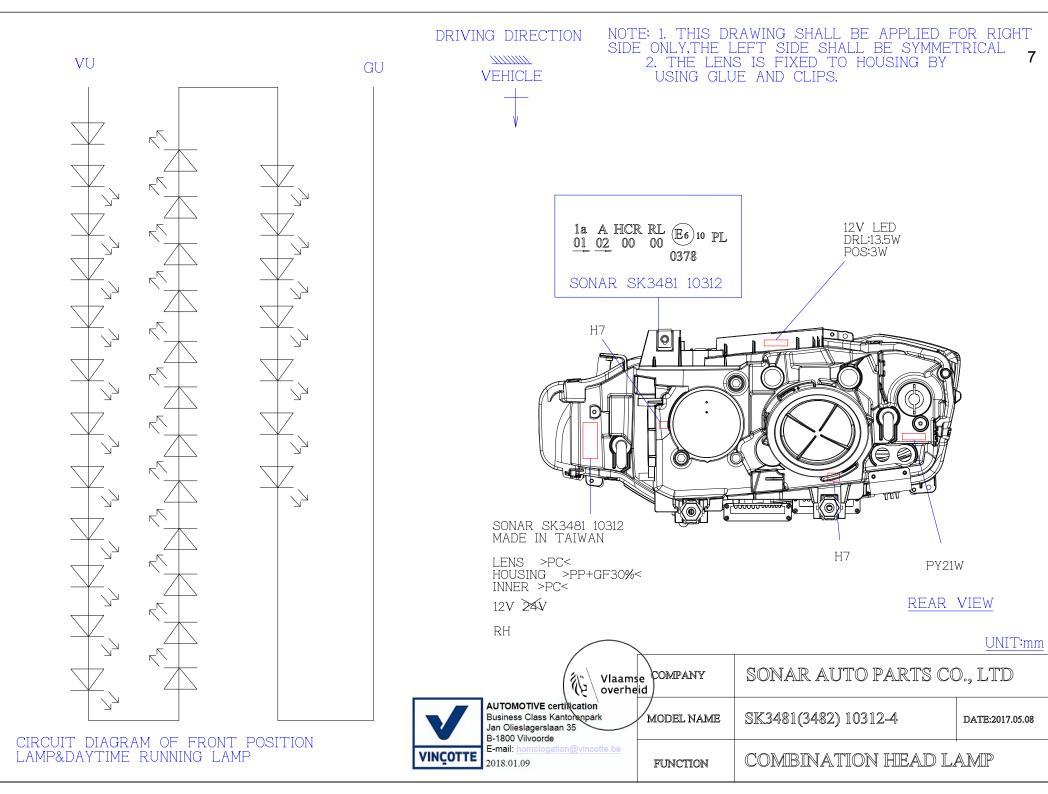
MODEL NAME
SK3481(3482) 10312-3

DATE:2017.05.08

FUNCTION

COMBINATION HEAD LAMP

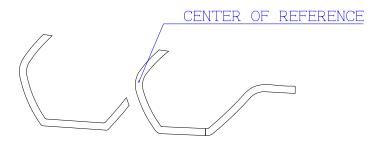
UNIT:mm



DRIVING DIRECTION

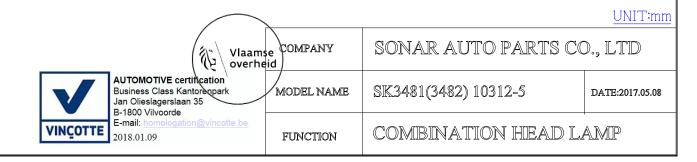
VEHICLE

NOTE: 1. THIS DRAWING SHALL BE APPLIED FOR RIGHT SIDE ONLY, THE LEFT SIDE SHALL BE SYMMETRICAL 8
2. THE LENS IS FIXED TO HOUSING BY USING GLUE AND CLIPS.



面積:3849平方mm

ILLUMINATING SURFACE OF FRONT POSITION LAMP&DAYTIME RUNNING LAMP



Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2 – 1000 Brussel

> Tel: 02-553 72 57 Fax: 02-553 71 08

homologatie.voertuigen@mow.vlaanderen.be

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

Last applicable Series of	Base approval	Extension No	Revision No	Issue date	Information document	
amendments	and update No	14			Reference	Number of pages
R87-00	00	7 - 1	7.6	09.01.2018	SONAR SK3481(3482)-10312 / 00	8

Approved and to be attached to the approval certificate,

R. VERHELST

 Updated Approval No:
 E6*87R00/19*0378*00
 BEVASYS:
 201302505

 Update No:
 00
 Issue date:
 09.01.2018
 1/1

 Vlaamse overheid
 Vlaamse overheid



Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2-1000 Brussel

Tel: 02-553 72 57 Fax: 02-553 71 08

10 PL

homologatie.voertuigen@mow.vlaanderen.be



Communication concerning:

Approval granted ⁽¹⁾

- Approval extended (1)

Approval refused (1)

Approval withdrawn (1)

- Production definitively discontinued (1)

of a type of daytime running lamp, pursuant to Regulation No.87

Approval No: E6*87R00/19*0378*00 Extension No:

Approval mark:

Left hand Right hand

1. Trade name or mark of the daytime running lamp: SONAR

2. Manufacturer's name for the type of daytime running lamp: SK3481-10312 / SK3482-10312

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 : 19.04.2017 ~ 18.05.2017

6. Technical Service responsible for conducting approval test: Vincotte N.V.

Jan Olieslagerslaan 35

1800 Vilvoorde

Belgium

7. Date of test reportissued by that Service : 09.01.2018

8. Number of test report issued by that Service: H1760607082/114

Vlaanderen is mobiliteit & openbare werken

BEVASYS:

Vlaamse 0 1/3

201302505 R87-00

9. Concise description: See information document

By category of lamp:

RL

Number, category and kind of light source(s) (2):

30LEDs / 1 light source

Voltage and wattage:

12V, 13.5W

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

The lamp is only for use on a vehicle fitted with a tell-tale indicating failure :

Yes / No (1)

10. The daytime running lamp is designed as an interdependent lamp system: Yes / No (1)

The interdependent lamp system consists of 2/3 interdependent lamps.

On the lamp

Position of approval mark: 12. Reason(s) for extension (if applicable):

11.

Approval granted / extended / refused / withdrawn (1) 13.

Vlaanderen is mobiliteit & openbare werken

201302505

BEVASYS:

2/3 Vlaamse overheid

14. Place: Brussels

15. Date: 09.01.2018

16. Signature:

ON BEHALF OF THE SECRETARY-GENERAL:



VerhelsV

R. VERHELST

- 17. The following documents, bearing the approval number shown above, are available on request.
- (1) Delete where not applicable
- (2) For daytime running lamps with non-replaceable light sources indicate the number and total wattage of the light sources used.

BEVASYS: 201302505 R87-00 Vlaamse overheid





VINCOTTE 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: DAYTIME RUNNING LAMPS

R87-00

2. **REF.**: Report number : **H1760607082/114**

No. of pages : 1 of 11

No. of annexes: -

Bevasys : 201302505

Approval No. : (0378 00)

Update : 00

3. GENERALITIES:

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3481-10312 / SK3482-10312

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 : 2017.04.19 to 2017.05.18

SUN-JET VISIBLE LIGHT LABORATORY

Applied document(s) : SONAR SK3481(3482)-10312 / 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. 87 incorporating supplement 19 to the original version.

The models presented comply with the requirements to be applied.

Date: 2018.01.09 Signature:

VINCOTTE nv/sa
LU Wan-Ching
Automotive Certification

VIA aprile
Overheid

2BH/LWC-DV 22B-AT



Page 2 of 11 Report: H1760607082/114

DESCRIPTION OF THE TESTED DAYTIME RUNNING LAMPS

: Daytime running lamp, which is reciprocally incorporated with front position lamp. Lamp type

Category and kind of light

: LED source(s)

Number of light source : 30LEDs / 1 light source

Voltage and wattage : 12V, 13.5W

GENERAL SPECIFICATIONS

Characteristics concerned and prescriptions to apply	References	Conformity	Not applicated
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.	6.		
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.	<i>c</i> 1	V	
Each daytime running lamp shall conform to the specifications set forth in the paragraphs below. An interdependent lamp system shall meet the requirements when all its interdependent lamps are operated together.	6.1.	X	
Daytime running lamps shall be so designed and constructed that in normal use, despite the vibrations to which they may be subjected, they continue to function satisfactorily retain the characteristics prescribed by this Regulation.	6.2.	X	
In the case of light source modules, it shall be checked that: 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	6.3. 6.3.1.		X
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 can not be interchanged within the same lamp housing.			
The light source module(s) shall be tamperproof. 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.	6.3.2. 6.3.3.		
Daytime running lamps, which are reciprocally incorporated with another function, using a common light source, and designed to operate permanently with an electronic light source control gear to regulate the intensity of the light emitted, are permitted.	6.4.	X	
In the case of replaceable light source(s): Any category or categories of filament lamp(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.	6.5. 6.5.1.		X
The design of the daytime running lamp shall be such that the light sources can be fixed in no other position but the correct one.	6.5.2.		
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.	6.5.3.		
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 Type Approval Authority, that demonstrates compliance of these non-replaceable filament lamp(s) with the requirements as specified in paragraph 4.11. of IEC 60809, Edition 3.	6.6.	(g) Vlaan	X

22B-AT

SONAR AUTO PARTS CO., LTD.

Head Office:

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

Taipei Plant:

No.263, Yingtao Rd. Yingge District, New Taipei City, Taiwan R.O.C

Tainan Plant:

No. 185, Sec. 1, Jhongshan Rd., Guiren District, Tainan City, Taiwan, R.O.C.

COMBINATION HEADLAMP

SONAR SK3481-10312 / SK3482-10312 for Right Hand Traffic

Application: original Date: March 13, 2013

Total number of pages: 8





Manufacturer name and address: Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,

New Taipei City, Taiwan, R.O.C.

Trade name or mark : SONAR

Type of device : SK3481-10312 / SK3482-10312

SPECIFICATIONS

Function-Application-class category lamp and colour



Trade	name or mark			SONAR		
Function		Headlamp		Front	Front (1)	Daytime (1)
		Driving Beam	Passing Beam	Direction Indicator	Position Lamp	
ECE Regulation		112-01	112-01	6-01	7-02	87-00
		Supplement 7	Supplement 7	Supplement 27	Supplement 26	Supplement 19
Class		В	В	-	-	-
Catego	ory	-	-	1a	A	-
Number, category and		1×H7	1×H7	1×PY21W	30LEDs /	30LEDs /
kind of lamp source(s)				1 light source	1 light source	
Voltag	ge and wattage	12V, 55W	12V, 55W	12V, 21W	12V, 3W	12V, 13.5W
Lens	Outer	Clear	Clear	Clear	Clear	Clear
	Filter (Inner)	Clear	Clear	Clear	Clear	Clear
Colou	r of light emitted	White	White	Amber	White	White

⁽¹⁾ Front position lamp, which is reciprocally incorporated with daytime running lamp.

TECHNICAL DATA

Part		Material	Remark	
	Outer	PC (polycarbonate)	GE ⁽²⁾	
Lens	Filter (Inner)	PC (polycarbonate)	GE (2)	
	Filter (Inner) for passing beam and driving beam	Glass	-	
Reflec	tor	PBT+PET+M20% (3) Adjustabl		
Housi	ng	PP + GF30%	-	

⁽²⁾ The base material of lens: Type number is LEXAN Resin LS2 from GE Advanced Materials. The hard coating: Type number is UVT 2008 from Shiang Yuan.

MARKING

Marki	Location	
Trade name or mark	SONAR	See drawing
Approval marks	0378	See drawing
LED module code	-	√8/3 Vlaamse
		overheid

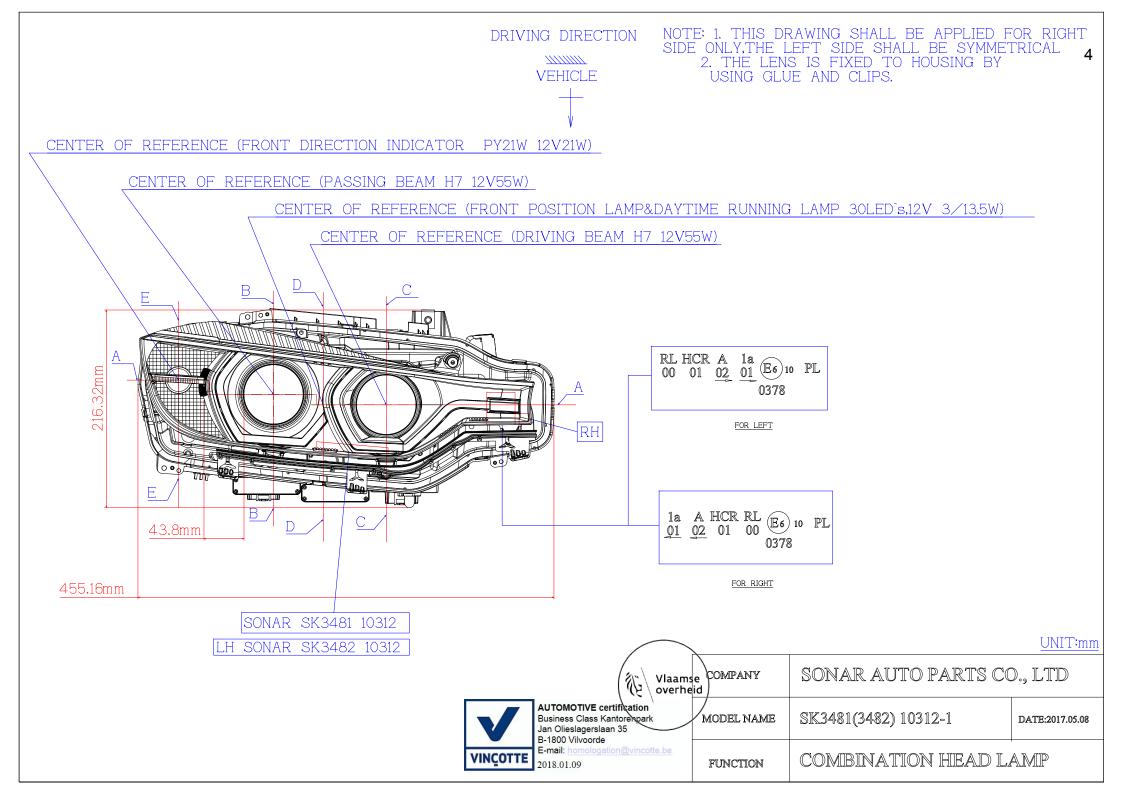
⁽³⁾ There are two kinds of sub-reflectors, one is electroplate and the other is black.

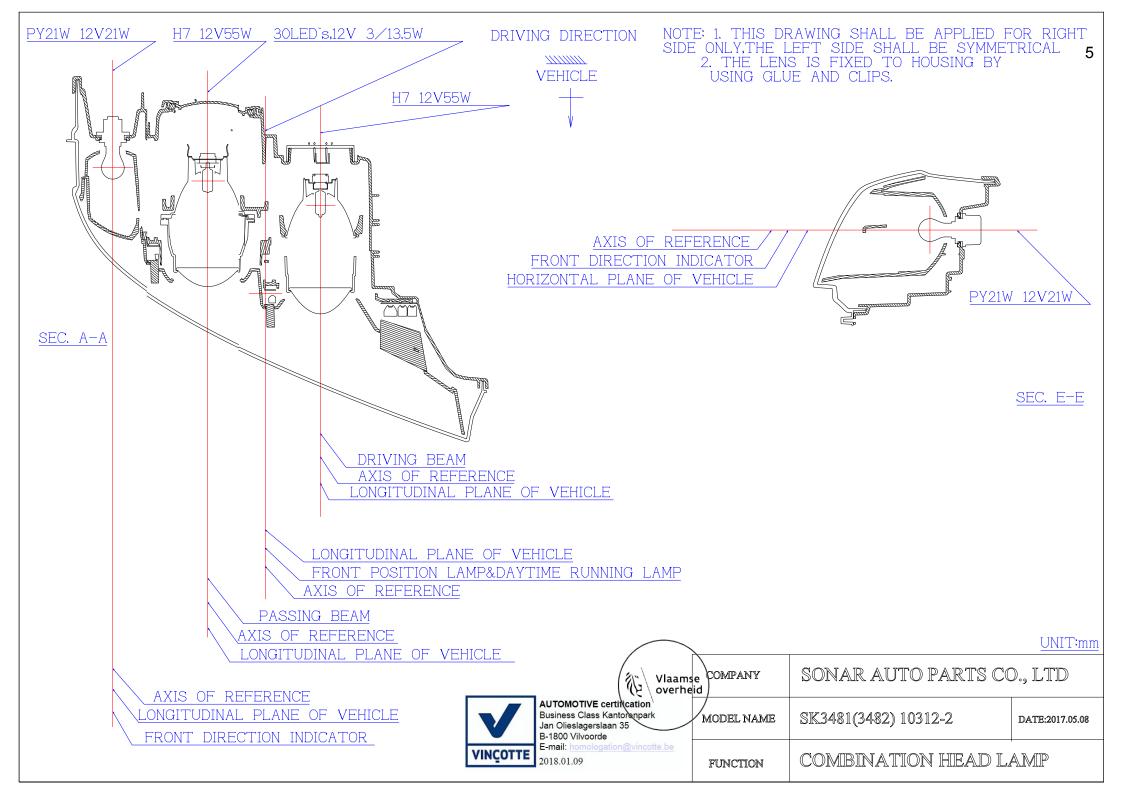
DRAWINGS			
Reference	Version		
SK3481(3482) 10312-1	2017.05.08		
SK3481(3482) 10312-2	2017.05.08		
SK3481(3482) 10312-3	2017.05.08		
SK3481(3482) 10312-4	2017.05.08		
SK3481(3482) 10312-5	2017.05.08		

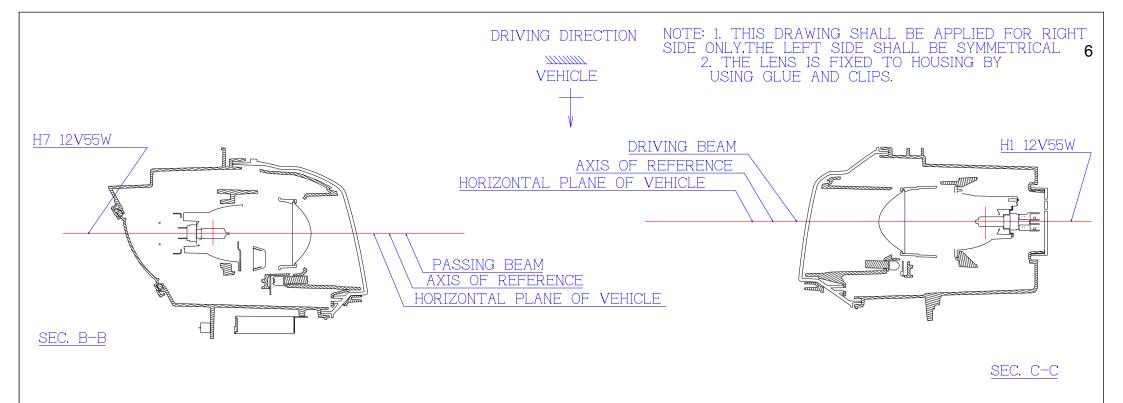
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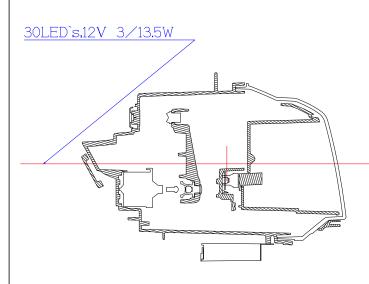












SEC. D-D

VIaamse overheid

VIaamse overheid

AUTOMOTIVE certification
Business Class Kantohopark
Jan Olieslagerslaan 35
B-1800 Vilvoorde
E-mail: homologation@vincotte.be
2018.01.09

FUNCTION

SONAR AUTO PARTS CO., LTD

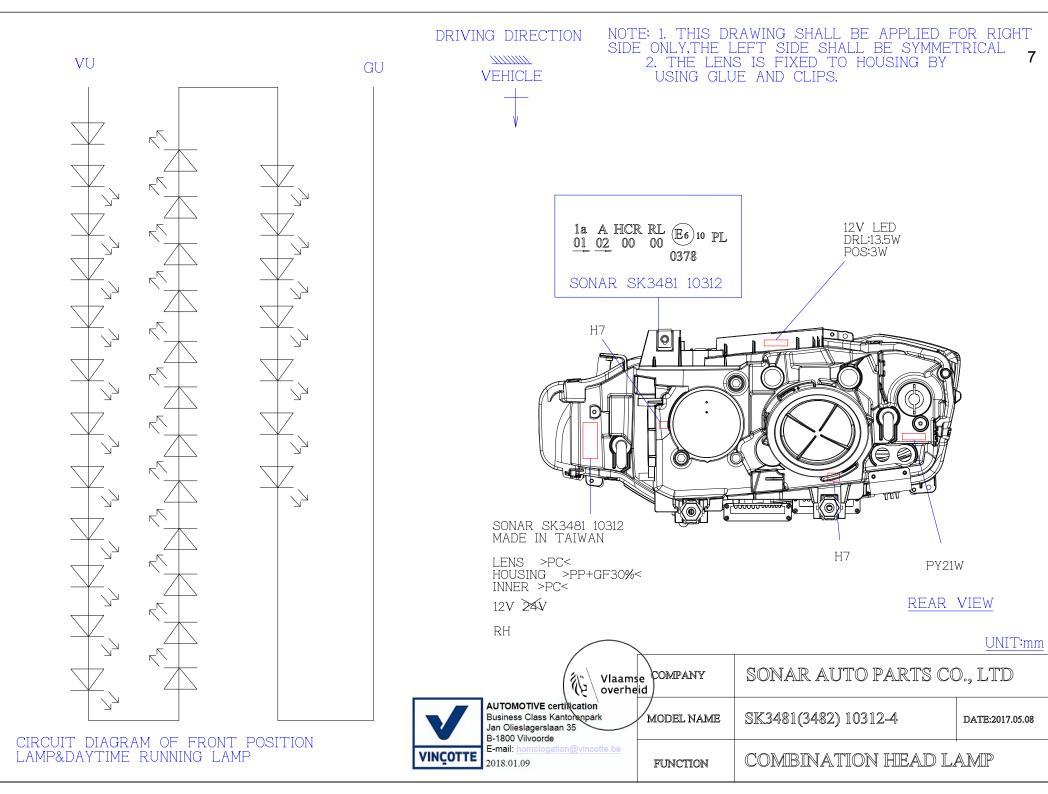
MODEL NAME
SK3481(3482) 10312-3

DATE:2017.05.08

FUNCTION

COMBINATION HEAD LAMP

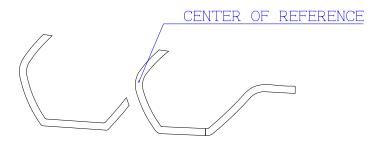
UNIT:mm



DRIVING DIRECTION

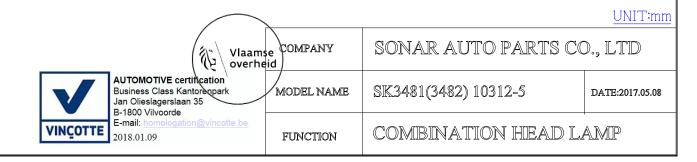
VEHICLE

NOTE: 1. THIS DRAWING SHALL BE APPLIED FOR RIGHT SIDE ONLY, THE LEFT SIDE SHALL BE SYMMETRICAL 8
2. THE LENS IS FIXED TO HOUSING BY USING GLUE AND CLIPS.



面積:3849平方mm

ILLUMINATING SURFACE OF FRONT POSITION LAMP&DAYTIME RUNNING LAMP



DEPARTEMENT MOBILITEIT & OPENBARE WERKEN

Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2 – 1000 Brussel

> Tel: 02-553 72 57 Fax: 02-553 71 08

homologatie.voertuigen@mow.vlaanderen.be

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

Last applicable Series of	Base	Extension No	Revision No	Issue date	Information document	
amendments	approval and update No	14			Reference	Number of pages
R112-01	00	7 - 1	7.6	09.01.2018	SONAR SK3481(3482)-10312 / 00	8

Approved and to be attached to the approval certificate,

R. VERHELST

 Updated Approval No:
 E6*112R01/07*0378*00
 BEVASYS:
 201302506

 Update No:
 00
 Issue date:
 09.01.2018
 1/1

 Vlaamse overheid
 Vlaamse overheid
 Vlaamse overheid



DEPARTEMENT **MOBILITEIT & OPENBARE** WERKEN

Vlaams Huis voor de Verkeersveiligheid

Team Homologatie & Technische Keuring Koning Albert II-laan 20 bus 2 - 1000 Brussel

> Tel: 02-553 72 57 Fax: 02-553 71 08

homologatie.voertuigen@mow.vlaanderen.be

Ε6

Communication concerning:

Approval granted (1)

Approval extended (1)

Approval refused (1)

Approval withdrawn (1)

Production definitively discontinued (1)

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

Approval No: Approval mark: E6*112R01/07*0378*00

Extension No:

RL HCR A 1a 00 01 02 01

 \rightarrow

E6 0378

10 PL

Left hand

1a A HCR RL **E6** 10 PL 01 02 01 00 \leftarrow 0378

Right hand

Trade name or mark of the device: 1.

SONAR

2. Manufacturer's name for the type of device: SK3481-10312 / SK3482-10312 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.

If applicable, name and address of the manufacturer's representative : 4.

5. Submitted for approval on: 19.04.2017 ~ 20.10.2017

Technical Service responsible for conducting approval test: 6.

Vincotte N.V. Jan Olieslagerslaan 35 1800 Vilvoorde

Belgium

7. Date of test report issued by that Service : 09.01.2018

8. Number of test report issued by that Service: H1760607082/115

201302506

Vlaamse overheid 1/3

BEVASYS:

9. Brief description: See information document

Category as described by the relevant marking (2): HCR PL

Number and category(ies) of filament lamp(s): 1×H7 12V, 55W for passing

oeam

1×H7 12V, 55W for driving

2/3

beam

Reference luminous flux used for the principal passing-beam: 1500 lm

Principal passing-beam operated at approximately: 13.2V

Measures according to paragraph 5.8. of this Regulation : §5.8.1.(b)

Number and specific identification code(s) of LED module(s) and for each LED

module a statement whether it is replaceable or not : Not applicable

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

(1)

The determination of the minimum sharpness of the "cut-off" has been carried out at 40 m/25 m/Does not apply

10. Approval mark position : On the lamp

11 Reason(s) for extension of approval :

12. Approval granted / extended / refused / withdrawn (1)

BEVASYS: 201302506 R112-01 Vlaamse overheid



13. Place: Brussels

14. Date: 09.01.2018

15. Signature:

ON BEHALF OF THE SECRETARY-GENERAL:



VerhelsV

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
- (2) Indicate the appropriate marking selected from the list below:
 C, C, C, R, RPL, CR, CR, CR, C/R, C/R, C/R, C/, C/,

HC PL, HC PL, HCR PL, HCR PL, HCR PL, HC/R PL, HC/R PL, HC/R PL, HC/PL, HC/PL, HC/PL

BEVASYS:

201302506

R112-01

Vlaamse overheid

se 3/3



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 : **H1760607082/115** No. of pages : 1 of 35 No. of annexes : -

Bevasys : 201302506 Approval No. : (0378 00) Update : 00

3. **GENERALITIES**:

Make of Device : SONAR

Commercial Type : -

Manufacturer's Type : SK3481-10312 / SK3482-10312

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 : 2017.04.19 to 2017.10.20

SUN-JET VISIBLE LIGHT LABORATORY

Applied document(s) : SONAR SK3481(3482)-10312 / 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: 2018.01.09 Signature:

VINCOTTE nv/sa
LU Wan-Ching
Automotive Certification

Vlaamse
overheid

2BH/LWC-DV 25E-AS





Report: H1760607082/115

passing beam / driving beam / passing and driving beam Headlamp type Drive type left hand traffie / right hand traffic / left and right hand traffie

Adjustable reflector yes / no Headlamp class \mathbf{A} / \mathbf{B}

DESCRIPTION OF THE TESTED HEADLAMP

 $1\times$ H7 12V, 55W for passing beam $1\times$ H7 12V, 55W for driving beam Category and kind of light source(s)

Number of light source(s) 1 for passing beam

1 for driving beam

GENERAL SPECIFICATIONS

Characteristics concerned and prescriptions to apply	References	Conformity	Not applicated
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.	5.		
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.			
Each lamp shall be conform to the specifications of § 6 to § 8.	5.1.	X	
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.	5.2.		
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.		X	
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.			
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.	5.2.2.		X



SONAR AUTO PARTS CO., LTD.

Head Office:

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

Taipei Plant:

No.263, Yingtao Rd. Yingge District, New Taipei City, Taiwan R.O.C

Tainan Plant:

No. 185, Sec. 1, Jhongshan Rd., Guiren District, Tainan City, Taiwan, R.O.C.

COMBINATION HEADLAMP

SONAR SK3481-10312 / SK3482-10312 for Right Hand Traffic

Application: original Date: March 13, 2013

Total number of pages: 8





Manufacturer name and address: Sonar Auto Parts Co., Ltd.

No. 427, Sec. 2, Wenhua Rd., Panchiao District,

New Taipei City, Taiwan, R.O.C.

Trade name or mark : SONAR

Type of device : SK3481-10312 / SK3482-10312

SPECIFICATIONS

Function-Application-class category lamp and colour



AUTOMOTIVE certification Business Class Kantorenpark Jan Olieslagerslaan 35 B-1800 Vilvoorde

E-mail: homologation@vincotte.be

2018.01.09

Trade	name or mark	SONAR				
Function		Headlamp		Front	Front (1)	Daytime (1)
		Driving Beam	Passing Beam	Direction Indicator	Position Lamp	Running Lamp
ECE Regulation		112-01	112-01	6-01	7-02	87-00
		Supplement 7	Supplement 7	Supplement 27	Supplement 26	Supplement 19
Class		В	В	-	-	-
Catego	ory			1a	A	-
	Number, category and kind of lamp source(s)		1×H7	1×PY21W	30LEDs / 1 light source	30LEDs / 1 light source
Voltag	ge and wattage	12V, 55W	12V, 55W	12V, 21W	12V, 3W	12V, 13.5W
Long	Outer	Clear	Clear	Clear	Clear	Clear
Lens	Filter (Inner)	Clear	Clear	Clear	Clear	Clear
Colou	r of light emitted	White	White	Amber	White	White

⁽¹⁾ Front position lamp, which is reciprocally incorporated with daytime running lamp.

TECHNICAL DATA

Part		Material	Remark	
	Outer	PC (polycarbonate)	GE (2)	
Lens	Filter (Inner)	PC (polycarbonate)	GE (2)	
	Filter (Inner) for passing beam and driving beam	Glass	-	
Reflec	tor	PBT+PET+M20% (3)	Adjustable	
Housin	ng	PP + GF30%	-	

⁽²⁾ The base material of lens: Type number is LEXAN Resin LS2 from GE Advanced Materials. The hard coating: Type number is UVT 2008 from Shiang Yuan.

MARKING

Marking		Location
Trade name or mark SONAR		See drawing
Approval marks	0378	See drawing
LED module code	-	「別" Vlaamse

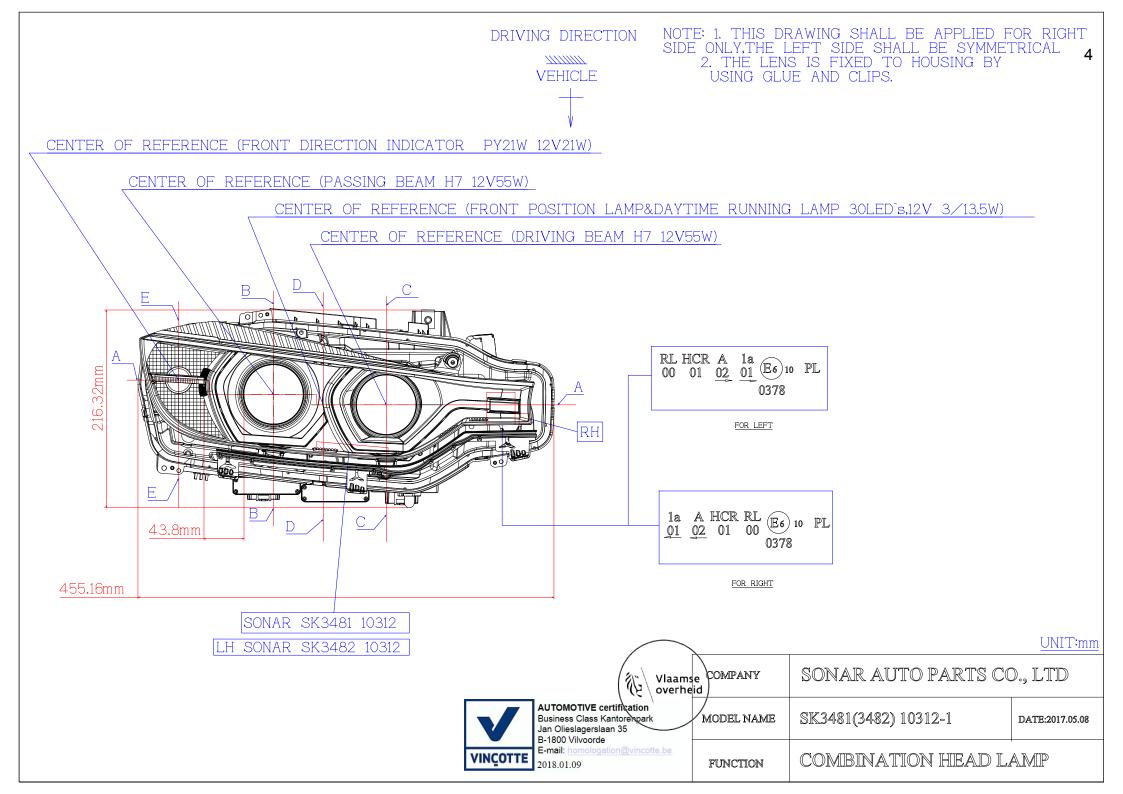
⁽³⁾ There are two kinds of sub-reflectors, one is electroplate and the other is black.

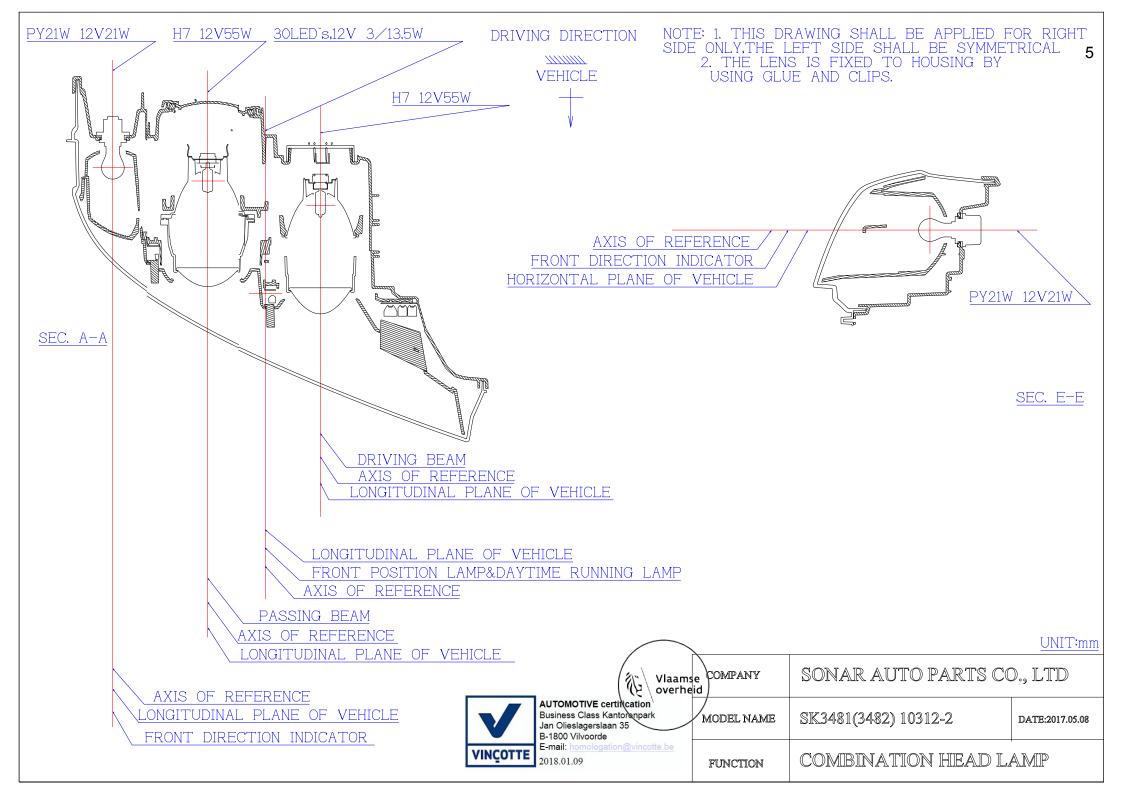
DRAWINGS			
Reference	Version		
SK3481(3482) 10312-1	2017.05.08		
SK3481(3482) 10312-2	2017.05.08		
SK3481(3482) 10312-3	2017.05.08		
SK3481(3482) 10312-4	2017.05.08		
SK3481(3482) 10312-5	2017.05.08		

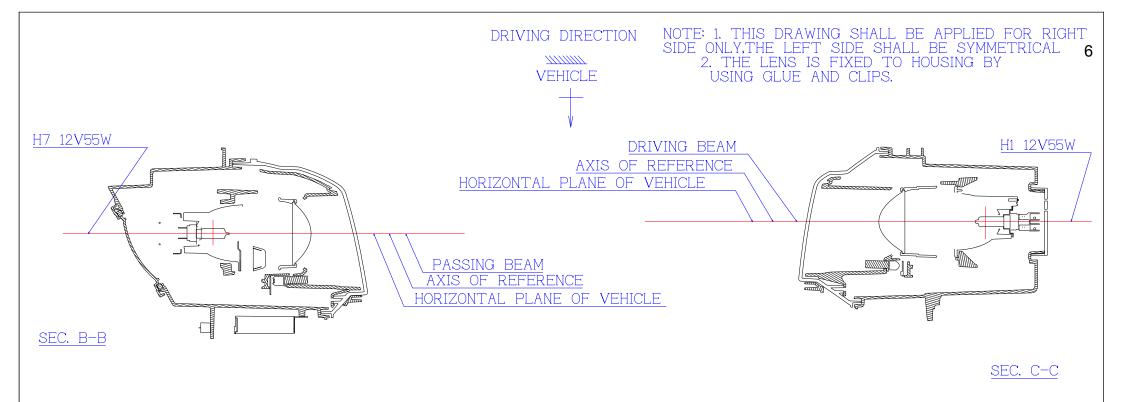
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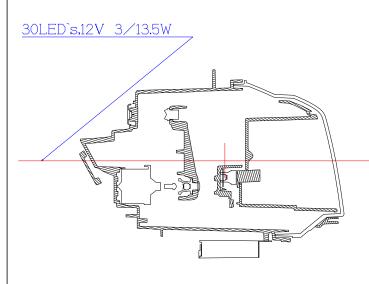












SEC. D-D

Viaamse overheid

AUTOMOTIVE certification
Business Class Kantohanpark
Jan Olieslagerslaan 35
B-1800 Vilvoorde
E-mail: homologation@vincotte.be
2018.01.09

FUNCTION

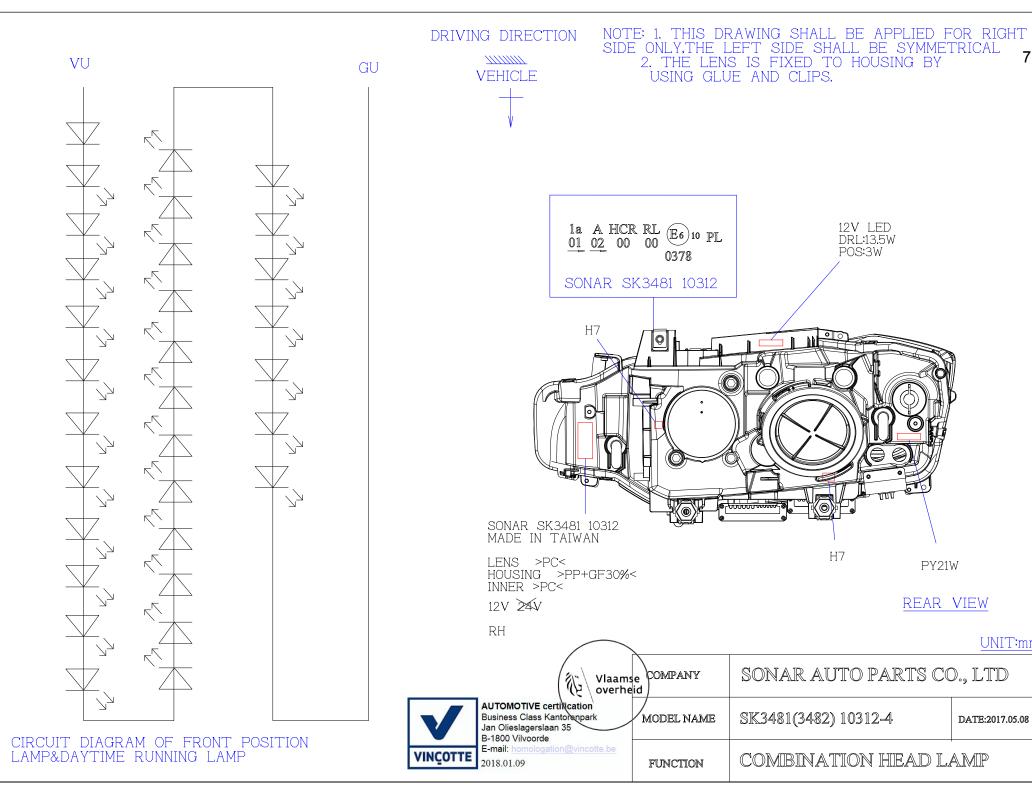
SONAR AUTO PARTS CO., LTD

MODEL NAME
SK3481(3482) 10312-3

DATE:2017.05.08

COMIBINATION HEAD LAMIP

UNIT:mm



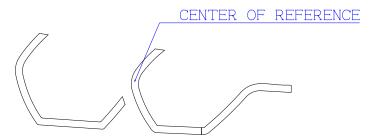
UNIT:mm

DATE:2017.05.08

DRIVING DIRECTION

VEHICLE

NOTE: 1. THIS DRAWING SHALL BE APPLIED FOR RIGHT SIDE ONLY, THE LEFT SIDE SHALL BE SYMMETRICAL 8
2. THE LENS IS FIXED TO HOUSING BY USING GLUE AND CLIPS.



面積:3849平方mm

ILLUMINATING SURFACE OF FRONT POSITION LAMP&DAYTIME RUNNING LAMP

			<u>UNIT:mm</u>
Vlaam: overhe		SONAR AUTO PARTS CO)., LTD
AUTOMOTIVE certification Business Class Kantoreqpark Jan Olieslagerslaan 35 B-1800 Vilvoorde	MODEL NAME	SK3481(3482) 10312-5	DATE:2017.05.08
VINCOTTE E-mail: homologation@vincotte.be 2018.01.09	FUNCTION	COMBINATION HEAD LAMP	