

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- ~~approval withdrawn~~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 device for the illumination of rear registration plates of motor vehicles (except motor cycles) and their trailers pursuant to Regulation number 4.



Approval number: E4-4R-0024080
Extension number: 00

1. Trade name or mark of the device : YIKE
2. Manufacturer's name for the type of device : YK-S002
3. Manufacturer's name and address : Yuyao Yike Electric Co., Ltd.
Linpu village, Linshan town, Yuyao city, Zhejiang province, China
4. If applicable, name and address of manufacturer's representative :
5. Submitted for approval on : 21 April 2015
6. Technical service responsible for conducting approval tests : IDIADA Automotive Technology, S.A.
L'Albornar, P.O. Box 20
43710 Santa Oliva (Tarragona)
Spain
7. Date of report issued by that service : 29 April 2015
8. Number of report issued by that service : CN15040217
9. Concise description ⁽²⁾ :

Device for illuminating : ~~a tall plate/a wide plate/a plate for agricultural or forestry tractor⁽⁺⁾~~

Number and category(ies) of light source(s) : 1 x P21/5W



- Light source module : ~~yes~~/no⁽¹⁾
- Light source module specific identification code : ---
- 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) : See technical documentation
10. Position of the approval mark : Marked on lens
11. Reason(s) for extension (if applicable) : ---
12. Approval : granted/~~refused/extended/withdrawn~~⁽¹⁾
13. Place : Zoetermeer
14. Date : 28-MAY-2015
15. Signature : 
Uwe Löbig 
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⁾ Strike out what does not apply.

⁽²⁾ For lamps with non-replaceable light sources indicate the number and the total wattage of the light sources.

REPORT No.: CN15040217**CONCERNING THE APPROVAL OF DEVICES FOR THE ILLUMINATION OF REAR REGISTRATION
PLATES ACCORDING TO REGULATION 4.00 ECE**

Manufacturer's name and address : Yuyao Yike Electric Co., Ltd.
Linpu village, Linshan town, Yuyao city, Zhejiang
province, China

Trade mark : YIKE

Type : YK-S002

Place and date of test report issue : L'Albornar, Santa Oliva (Tarragona)
29/04/2015

CONCLUSIONS: This device **FULFILLS** the prescriptions with regard to the devices for the illumination of rear registration plates of motor vehicles in application of Regulation 4.00, as detailed in the annex to this report.



Performed by

Joan Fonts Sala
TEST ENGINEER

Revised by:

Lluís Sans Gomis
DEPARTMENT MANAGER

ANNEX TO THE REPORT

CONCERNING THE APPROVAL OF DEVICES FOR THE ILLUMINATION OF REAR REGISTRATION PLATES ACCORDING TO REGULATION 4.00 ECE

Manufacturer's name and address : Yuyao Yike Electric Co., Ltd.
Linpu village, Linshan town, Yuyao city, Zhejiang
province, China

Trade mark : YIKE

Type : YK-S002

Variants : ---

Sample identification : CN15040217

Light source category : P21/5W

No. of Light source : 1

Device for the illumination of : wide plate

Light source module : ~~YES~~/ NO

Light source module specific identification code: ---



MARKING

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

LIGHT SOURCE MODULES

The design of the light source module(s) is such that they can be fitted in no other position than the designated and correct one and can only be removed with the use of tool(s).	NOT APPLICABLE
Non-identical light source modules, if any, are non-interchangeable within the same lamp housing.	NOT APPLICABLE
Tamperproof	NOT APPLICABLE
A light source module shall be so designed that regardless of the use of tool(s), not mechanically interchangeable with any replaceable approved light source.	NOT APPLICABLE

REPLACEABLE LIGHT SOURCE(S)

Light source approved according to Regulation ECE No. 37 and/or Regulation ECE No. 128	CORRECT
The design of the device is such that the light source can be fixed in no other position but the correct one.	CORRECT
The light source holder conforms to the characteristics given in IEC Publication 60061.	CORRECT

COLOUR OF THE LIGHT

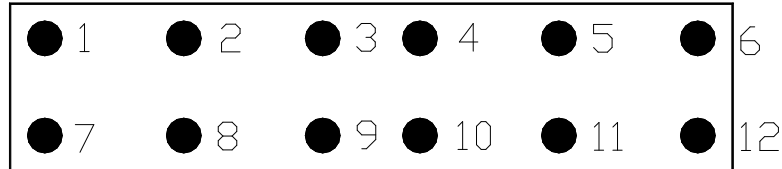
Colourless light	CORRECT
------------------	----------------



PHOTOMETRIC SPECIFICATIONS

LUMINANCE (B):

WIDE PLATE (520 x 120 mm)



LUMINANCE (B ≥ 2,5 cd/m²)												
	1	2	3	4	5	6	7	8	9	10	11	12
SAMPLE 1	20.32	16.78	11.09	10.87	16.65	20.45	19.17	15.89	10.92	10.24	16.27	19.91
SAMPLE 2	21.65	18.06	12.02	11.89	17.92	21.53	20.33	17.14	12.09	11.44	17.47	21.23

GRADIENT OF LUMINANCE:

SAMPLE 1: Bo = 10.24

SAMPLE 2: Bo = 11.44

	SAMPLE 1	SAMPLE 2
Gradient of luminance: $\frac{ B_2 - B_1 }{d_1 - d_2(\text{cm})} \leq 2 \times B_0/\text{cm}$	CORRECT	CORRECT

MINIMUM FIELD OF VISION OF THE SURFACE TO BE ILLUMINATED

Vertical field of visibility $a, a' \leq 85^\circ$	NOT APPLICABLE
Horizontal field of visibility $b, b' \leq 60^\circ$	CORRECT

ANGLE OF INCIDENCE OF THE LIGHT

Angle of incidence of the light on the surface of the plate < 82°	CORRECT
---	---------

Test place: Shanghai China
Test date: 21/04/2015

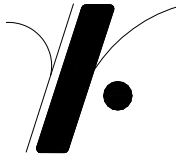


Joan Fonts Sala
TEST ENGINEER

TECHNICAL DOCUMENTATION



1.Specification data

Type		YK-S002			
Function		Rear position lamp	Stop lamp	Rear registration plate lamp	Rear direction indicator
Color		Red	Red	White	Amber
Rated	Voltage	12V			
	Wattage	5w	21w	5w	21w
Application Regulation ECE		ECE R7.02		ECE R4.00	ECE R6.01
Location of marking	ECE R.37	P21/5w			P21w
	Filament lamp Category	Marked on housing			
	Trade mark	 (YIKE)			
		Marked on lens			
	Approval mark	Marked on lens			

2.Construction and material

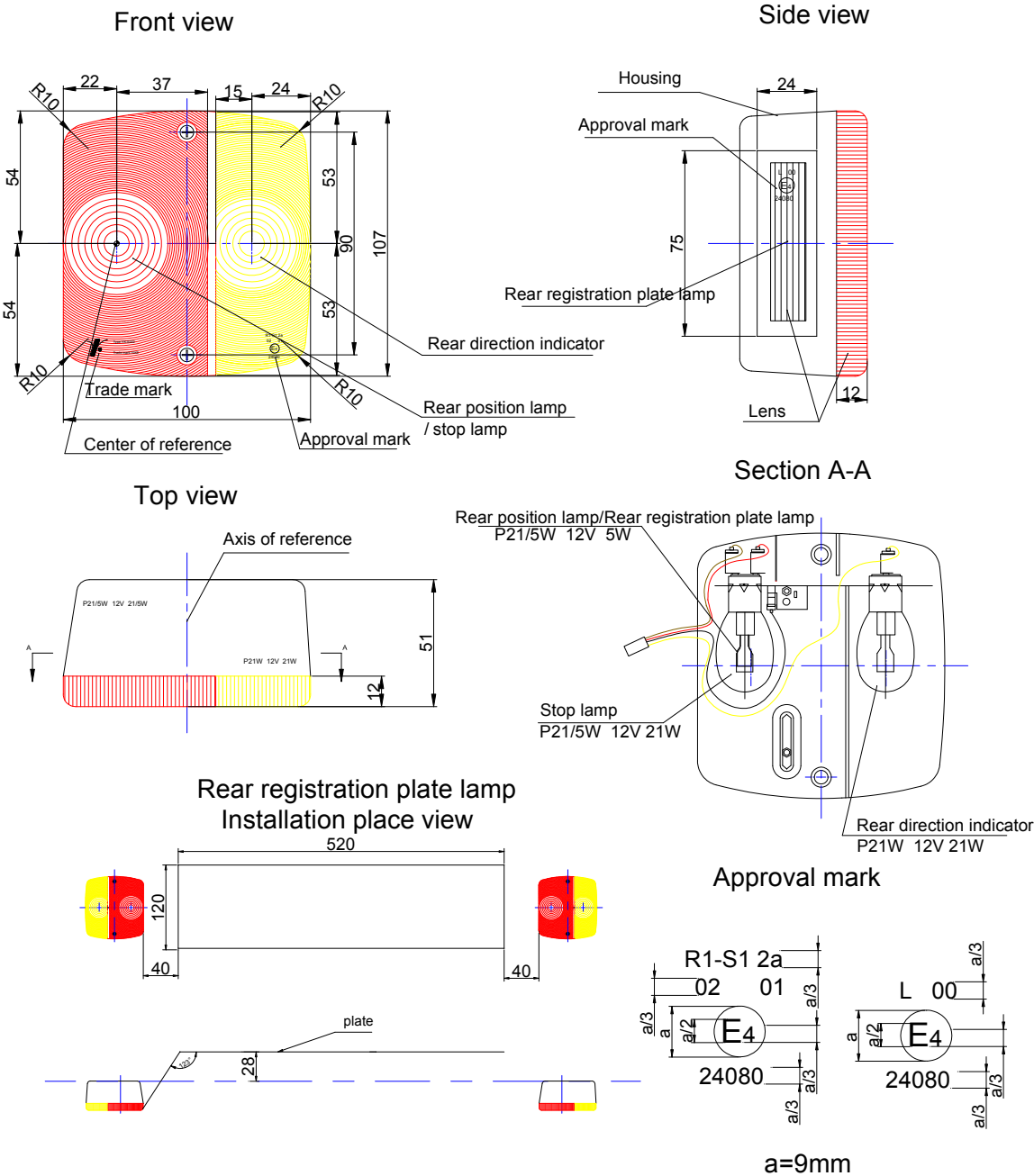
Construction	Material	Remarks
Lens	PMMA	--
Housing	ABS	Black
Reflector	ABS	Reflective coating: on the inside surface. Flat , no pattern
Electrical Wiring	Copper covered with insulation	--

3. Name and address of manufacturer : Yuyao Yike Electric Co.,Ltd.
Linpu village, Linshan town, Yuyao city,
Zhejiang province, China.

4. Name and address of representative of manufacturer :

Note: this information folder consists of 2 pages





Yuyao Yike Electric Co.,Ltd.	
Product type	YK-S002
Rear combined lamp	
Drawing No	001

