



# TEST REPORT

DOC CTR 30 C

Client Fournisseur Interne

<b>Part number :</b> <b>Désignation :</b> ALPHA 225 H1 <b>Drawing revision :</b>	<b>N° Report :</b>   E   14   09   08   04 BE A M J N° dans J _____ Sec J M A N° dans J	<b>Name (ABL or Competitor to be defined) :</b> ABL	<b>External reference :</b>  <b>Relatif au lot / n° OF :</b>  <b>Date code :</b>

## TEST DESCRIPTION

HOMOLOGATION CONTROL

ALPHA 225 H1

HOMOLOGATION REPORT: Driving beam  
 According to Regulation 112 class 40

## TEST RESULTS

Theoretical value	Rep	Nb of parts controled	Results	(*) Rep of non conformity or comment	Observations (control tools)
		1	Homologated acc to ECE R112		
			Reference 40		

<b>Object report :</b> Prototypes Initials samples Pre-serial Serial..... Yes.....	<b>Remarks :</b>
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Final Yes TOOLING Temporary	<b>CONTROLLER NAME</b> Nicolas BAU Date : 09/05/14 Visa :	<b>QUALITY MANAGER NAME</b> Visa : G.Lechevalier
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Destinataires : J.Menveux / G.Lechevalier



RDW

Vehicle Technology Division

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



COMMUNICATION

Concerning <sup>(1)</sup>

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- ~~approval withdrawn~~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

of a type of headlamp pursuant to Regulation number 112.

**Approval number: E4-112R-00 18532**

**Extension number: 00**

Trade name or mark of the device	: NBB
Manufacturer's name for the type of device	: NBB ALPHA 225
Submitted for approval on	: July 14, 2014
Technical service responsible for conducting approval tests	: TÜV NORD Mobilität GmbH & Co. KG Institut für Fahrzeugtechnik und Mobilität Adlerstrasse 7, D-45307 Essen
Date or report issued by that service	: August 29, 2014
Number of report issued by that service	: TW112-A0-140247



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*Vehicle Approval and Information*

## Brief description

Category as described by the relevant marking <sup>(2)</sup> : HR PL

Number and category(ies) of filament lamp(s) : Driving beam : 1 x H1 (12V, 55W / 24V, 70W)

Measures according to paragraph 5.8. of this Regulation : Not applicable

Number and specific identification code(s) of LED module(s) : Not applicable

Number and specific identification code(s) of electronic light source control gear(s) : Not applicable

Total objective luminous flux as described in paragraph 5.9. exceeds 2,000 lumen : ~~yes~~/no/does not apply <sup>(1)</sup>

The adjustment of the cut-off has been determined at : ~~10 m/25 m~~/does not apply <sup>(1)</sup>

The determination of the minimum sharpness of the 'cut-off' has been carried out at : ~~10 m/25 m~~/does not apply <sup>(1)</sup>

Approval mark position : On the lens

Reason(s) for extension of approval : Not applicable

Approval : granted/~~extended/refused/withdrawn~~ <sup>(1)</sup>

Place : Zoetermeer

Date : 08-SEP-2014

Signature :

   
Uwe Löbig

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

<sup>(1)</sup> Strike out what does not apply.

<sup>(2)</sup> Indicate the appropriate marking selected from the list below:

Type : NBB ALPHA 225

Results of photometric tests of the driving beam [class B]

Clear lens

illumination produced on the screen [lux]			
	sample 1	sample 2	required illumination
Maximum illumination $E_{max}$	219.17	219.62	$48 \leq E_{max} \leq 240$ * $E_{max} \leq 16 \times E_{75R}$
Illumination at point of intersection (HV) of lines hh and vv	212.46	215.26	$\geq 0.8 \times E_{max}$
$I'_M = 0.208 \times E_{max}$	45.59	45.68	40
H : -2.25m to -1.125m	35.41	34.77	$\geq 6$
H : -1.125m to +1.125m	79.33	87.17	$\geq 24$
H : +1.125m to +2.25m	31.52	33.40	$\geq 6$

\*Combined passing and driving beam

Decision :  Pass or  Failed



Results of photometric tests of the driving beam [class B]

Blue lens

illumination produced on the screen [lux]			
	sample 1	sample 2	required illumination
Maximum illumination $E_{max}$	169.48	170.07	$48 \leq E_{max} \leq 240$ * $E_{max} \leq 16 \times E_{75R}$
Illumination at point of intersection (HV) of lines hh and vv	166.13	168.63	$\geq 0.8 \times E_{max}$
$I'_M = 0.208 \times E_{max}$	35.25	35.37	40
H : -2.25m to -1.125m	27.30	26.73	$\geq 6$
H : -1.125m to +1.125m	60.57	67.13	$\geq 24$
H : +1.125m to +2.25m	24.17	25.48	$\geq 6$

\*Combined passing and driving beam

Decision :  Pass or  Failed

C,  $\xrightarrow{C_1}$   $\xleftarrow{C_2}$  R, R PL, CR,  $\xrightarrow{CR}$   $\xleftarrow{CR}$  C/R,  $\xrightarrow{C/R}$   $\xleftarrow{C/R}$  C/,  $\xrightarrow{C/}$   $\xleftarrow{C/}$

C PL,  $\xrightarrow{C PL}$   $\xleftarrow{C PL}$  CR PL,  $\xrightarrow{CR PL}$   $\xleftarrow{CR PL}$  C/R PL,  $\xrightarrow{C/R PL}$   $\xleftarrow{C/R PL}$

C/PL,  $\xrightarrow{C/PL}$   $\xleftarrow{C/PL}$

HC,  $\xrightarrow{HC}$   $\xleftarrow{HC}$  HR, HR PL, HCR,  $\xrightarrow{HCR}$   $\xleftarrow{HCR}$  HC/R,  $\xrightarrow{HC/R}$   $\xleftarrow{HC/R}$

HC/,  $\xrightarrow{HC/}$   $\xleftarrow{HC/}$

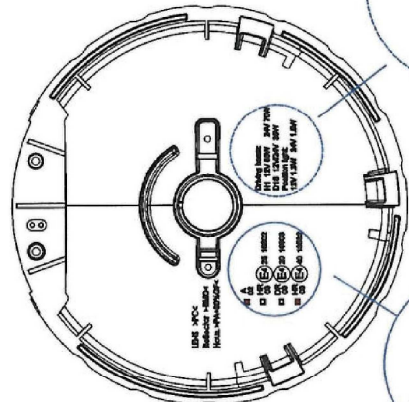
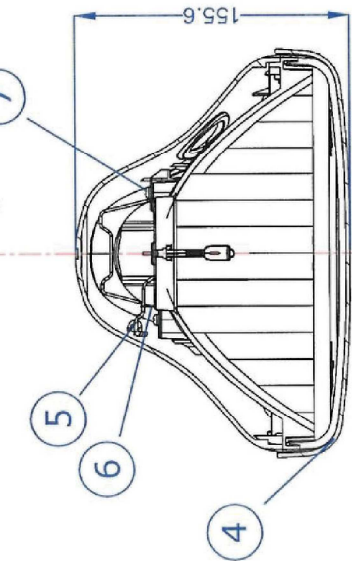
HC PL,  $\xrightarrow{HC PL}$   $\xleftarrow{HC PL}$  HCR PL,  $\xrightarrow{HCR PL}$   $\xleftarrow{HCR PL}$  HC/R PL,  $\xrightarrow{HC/R PL}$   $\xleftarrow{HC/R PL}$

HC/PL,  $\xrightarrow{HC/PL}$   $\xleftarrow{HC/PL}$



FRONT OF VEHICLE

Back of reflector

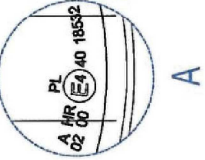


Driving beam:  
H1 12V 55W 24V 70W  
D1S 12V/24V 35W  
Position light:  
12V 1.3W 24V 1.5W

A 02 HR (E4) 25 16802  
00 00 DR (E4) 20 16803  
00 00 HR (E4) 40 18532

function: front position lamp

function: driving beam



NOTES:

- Lens glued to the reflector
- Lens style: version A: clear version B: blue

This drawing shall be applied for left and right hand.  
a-Longitudinal plane of Vehicle.  
b-Horizontal plane of Vehicle.  
c-Center of reference.  
d-Axis of reference.

Back side

11	LED
10	SPACER
9	STEM
8	H1 BULB
7	SCREW
6	CLIP 1
5	SPRING
4	PROTECTOR
3	HOUSING
2	REFLECTOR
1	LENS
NO	CONSTRUCTION

DWG	Dennis	TOL UNLESS SPECIED X=0.05 X-Y=0.2 X.300=0.1
DR		SCALE 1:2
APPR		UNIT.MM
	DWG NO	NBB ALPHA 225-3

Section B-B

Section A-A

