

# RELEASE FOR TRANSFERRED PRODUCTION

IN BRIVE OF TYPES:

D 14-120 ...

D 14-121 ...

D 14-123 ...

D 14-125 ...

Eindhoven, April 1978



**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.063

5-1

76-03-18

ONDERWERP : Release for transferred production in Brive of C.R.T.  
type D14-120, D14-121, D14-123, D14-125.

The C.R.T. types D14-120 , D14-121, D14-123, D14-125 made in Brive are tested in Eindhoven on several parameters to the F and L specifications to obtain.

"Release for transferred production" in Brive.

Annexed reports give summaries of test - and measuring results of the above mentioned types.

As can be seen from the results summarised on sheets 4 upto and 9 and the remarks on sheets 2 and 3, those types can be given.

"Release for transferred production" in Brive.

K.Wassenaar

Copy to Messrs.: Van Geffen

Honig

Mathijssen

Mulder

Peper

Radstake

Schell

Varekamp

Modderman

Weijer

Menet

Bru

Brive

ONDERWERP : Remarks to be made in connection with the Release for Transferred Production in Brive of the C.R.T. types D14-120... D14-121... D14-123... D14-125...

- 1) As can be seen from the summary report RAR-84/76.063, a considerable number of tubes have been rejected on the following items :
  - 1st. Rasterdistortion. 4%
  - 2nd. Usefull scan too small 3%
  - 3rd. Cracked faceplate 2.2%
  - 4th. Silicate stain + scratches 7%
  
- 2) The first two items have already been improved in the last batches, but we still find these faults.  
It is very important that the factory as well as the Quality Lab. give attention to these items, to improve the quality of the delivered product which has too fulfil the specifications.
  
- 3) The third item concerns the glass bulbs.  
Brive must receive bulbs of good quality concerning strain from Eindhoven and a proper handling in Brive.  
This needs continuously attention of the bulbdeliverer as well as the tubemanufacturers.
  
- 4) Item 4 concerns silicate stains and scratches on the tube faceplate.  
Untill now the tubes concerned have been repaired in Eindhoven. In future, this will be impossible.  
Fortunately the last series of tube showed a considerable improvement on this fault but also this item needs continuously attention and a systems, that makes damage before dispatch impossible. E.g. the man who puts the sticker on the screen inspects the faceplate and is responsible for it. This sticker has to be put on the faceplate in the most early stage.  
A tube must never be put on the faceplate without a sticker.

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.063

-3-

'76-03-19

ONDERWERP :

- 5) After "Release for Transferred Production" and "Direct Shipment" customercomplaints will be sent directly to Brive because of removal of test - and repairfacilities from Eindhoven.

K.Wassenaar

All rights strictly reserved. Reproduction or loan to third parties in any form whatever is not permitted without written authority from the proprietor.



ONDERWERP : Release for transferred production D14-120, D14-121, D14.122, D14-123, D14-125.

Summary of test results

- 1) See reports RAR-84/75.170 test II results batch 1
- |        |    |
|--------|----|
| 75.227 | 2  |
| 75.192 | 3  |
| 75.242 | 5  |
| 75.241 | 6  |
| 75.246 | 7  |
| 75.252 | 8  |
| 75.248 | 9  |
| 75.253 | 10 |
| 75.254 | 11 |
| 75.255 | 12 |
| 75.261 | 13 |
| 76.009 | 14 |
| 76.002 | 15 |
| 76.010 | 16 |
| 76.035 | 17 |
| 76.020 | 18 |
| 76.021 | 19 |
| 76.024 | 20 |
| 76.036 | 21 |
| 76.037 | 22 |
| 76.039 | 23 |
| 76.044 | 24 |

RAR-84/75.226 L test and life test results batch 1

RAR-84/75.228 L test and life test results batch 2

2) Summary of test II results

Received 1334 pieces (24 batches)

Good 1056 pieces

27 pieces dirt on the mesh (repaired)

94 pieces silicat stains + scratches (repaired)

4 pieces modulation too high (repaired)

1 piece stray emission (repaired)

1 piece side pin protector forgotten (repaired)

Good after repair 1183 pieces

Rejected 151 pieces

53 pieces raster distortion

39 pieces usefull scan too small

30 pieces cracked near screen

All rights strictly reserved. Reproduction or loan to third parties in any form whatever is not permitted without written authority from the proprietor.

## ONDERWERP :

Rejected 4 pieces gascross	2 pieces loose particles
4 pieces insulation	2 pieces charging Y places
3 pieces loose welding	1 piece black dot
3 pieces eccentricity	1 piece bruise
3 pieces -Vg1 too high	1 piece dirt on defl.plate.
1 piece modulation too high	1 piece wire of mesh loose
1 piece bad mesh quality	1 piece broken heater

Remark : 6 batches 274 pieces had a wrong coating.  
(repaired in Eindhoven)

3) Summary of L test results

Batch 1 No extra faults were found as already mentioned  
in RAR-84/75.170 test II results.  
The results are satisfactory.

Batch 2 1x usefull scan borderline good  
1x stray emission (good after repair)  
1x preference direction of polishing  
The results are satisfactory

4) Summary of life test results

Batch 1 0 hours No remarks  
1000 hours Tube number 3 emission bad after  
160 hours.  
The rest of the results are satisfactory.

Batch 2 0 hours No remarks  
1000 hours The results are satisfactory

5) Conclusion

Sufficient information has been collected to conclude  
that there is no objection against release of the C.R.T.'s  
D14-120..., D14-121..., D14-122..., D14-123, D14-125..., for  
production and measuring in Brive,  
However rasterdistortion and usefull scan needs improvement.

G.Geevers





TYPE: DIV-120.

001. loose base.  
 603. WRONG TYPE GOOD.  
 401. Is too high/low.  
 502. LOCATION.  
 405. ALIGN. POSITION.  
 001. BASE ALIGNMENT.  
 504. STRAY EMISSION.  
 503. USEFUL TECH TO SMALL.  
 486. SPOTCHING.  
 505. DIRT ON DIAPHRAGM.  
 505. RETURN TOO HIGH/LOW.  
 505. FOCUS BENS. TOO HIGH/LOW.  
 507. DEEL. FRACTION TOO HIGH/LOW.  
 204. CONNECTION.  
 605. BLANKING TOO HIGH.  
 509. FOCUSING. CORE.  
 506. FOCUS DISTANCE.  
 505. ANGLE OF TRACKS.  
 403. Is too low.  
 402. Is too low.  
 427. MODEL TOO HIGH.  
 605. -Vg, too high/low.  
 485. LEAKAGE CURVE. PDA.  
 485. BLIND CURRENT.  
 501. BRIGHTNESS TOO LOW.  
 510. SCRAMBLING.  
 007. GATCRASS.  
 104. HIGH TENSION.  
 105. INSULATIONS.  
 007. GRANULAR TOO HIGH.

500 AFTER REPAIR.  
 REPAIR. IN BEVA.  
 REPAIRED IN BINON.  
 GOOD REL. TO NEAR. TUBE.  
 REJECTED.  
 GOOD.  
 MESSAGES.  
 RECEIVED.  
 DATE CODE.

57  
 X  
 57  
 57  
 23 2 92 1  
 25 25  
 1225M/A FGA

7

FOR REPAIR  
 AFTER REPAIR

001  
 603  
 401  
 502  
 405  
 001  
 504  
 503  
 486  
 505  
 505  
 505  
 507  
 204  
 605  
 509  
 506  
 505  
 403  
 402  
 427  
 605  
 485  
 485  
 501  
 510  
 007  
 104  
 105  
 007

FAULT



TYPE. DIV. 121..

DATE CODE RECEIVED MERSWARD  
 GOOD  
 REJECTED  
 GOOD (S) REL TO MERS. TRADE  
 REPAIRED IN BIN  
 REPAIR IN BAY  
 GOOD AFTER REPAIR  
 GREASE TOO HIGH  
 INSULATIONS  
 HIGH TENSION  
 GASKETS  
 SCENEGUITY  
 BRIGHTNESS TOO LOW  
 BLIND QUENT  
 LEAKAGE CURS. PDR  
 -V9, TOO HIGH/LOW  
 MODEL TOO HIGH  
 IN COOL  
 IS TOO LOW  
 ANGLE OF TARGET  
 FOCUS IN DISTANCE  
 FOCUS CARE  
 BLANKING TOO HIGH  
 CONDITION  
 DEL. FOCUS TOO HIGH/LOW  
 FOCUS STENS. TOO HIGH/LOW  
 HEIGHT TOO HIGH/LOW  
 DIRECTION OF LIGHT  
 SPOT CORRECTING  
 WEAR/SCUM FORMS  
 STRAY EMISSION  
 BASE ALIGNMENT  
 ALIGN. POSITION  
 ECCENTRICITY  
 IS TOO HIGH/LOW  
 WONG TYPE CODE  
 COOSE BASE  
 COALIN. SCREEN

1259/100	1	1	0	1	100
1219/100	3	3	1	2	38
1255/100	78	0			
1255/100	80	0			

FOR REPAIR  
 AFTER REPAIR

007  
 105  
 104  
 009  
 010  
 501  
 485  
 485  
 605  
 427  
 402  
 403  
 506  
 506  
 509  
 605  
 204  
 507  
 505  
 505  
 505  
 426  
 508  
 504  
 001  
 405  
 502  
 401  
 603  
 001

FAULT  
 0000

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.170

1

75-09-18

ONDERWERP : Release for transferred production D14-121GH batch 1

Test II results

Received 17 tubes

Measured 5 tubes (first sample test)

Good 1 tube

Rejected 4 tubes

- 1x black dots 0.6 - 0.55 mm + silicat stains on the screen
- 1x silicat stain on the screen
- 1x silicat stain on the screen and dirt on the mesh.
- 1x dirt on the mesh and scratches

Batch is rejected.

Measured 12 tubes(second test = total lot)

Total results of all tubes:  
good 3 tubes

Rejected and repaired 12 tubes:

- 1x dirt on the mesh(529025)
- 3x dirt on the mesh and silicat stains on the screen(529011 - 529022 - 529052)
- 1x dirt on the mesh and scratches(529035)
- 1x scratches and silicat stains on the screen(529026)
- 6x silicat stains on the screen(529008 - 529010- 529014- 529023-529024 - 529050)

Rejected 2 tubes: 1x black dots 0.6 - 0.55 mm and silicat stains 529019

1x dirt on the mesh after repair, loose connection deflection plate(bad welding)

Total good after repair: 15 tubes

for L-test: no 529014 - 529019 - 529022 - 529035 - 529039

G.Geevers

Copy to Messrs.: Menet  
Varekamp  
Wassenaar



ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.227

1

75-11-19

ONDERWERP : Release for transferred production D14-123GP batch 2

Test II results

Received 21 pieces

Measured 10 pieces

Good 8 pieces

Rejected 2 pieces

1x gascross (L test)

1x rasterdistortion (L test)

after repair on scratches and silicat stains

29 pieces delivered to the store.

C. Geevers

Copy to Messrs.: Honig

Mene t

Varekamp

Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.192

1

75-10-21

ONDERWERP : Release for transferred production D14-123 GP batch 3

Test II results

Received 7 tubes

Measured 7 tubes

Tube number 529004: screen burned in,  
silicat stains  
dirt on the mesh(after repair good)

529034: silicat stains(after repair good)

529038: loose particles

529042: raster distortion,  
silicat stains,  
dirt on the mesh(after repair good)

529049: screenglass damaged(after repair good)

529128: gascross  
dirt on the mesh(after repair good)

529076: rasterdistortion borderline good  
usefull scan Y too small borderline  
good  
silicat stains on the screenglass

This tube is taken to Brive by Mr.Menet.

Used for life test: 529004 - 529038 - 529042 - 529128

G.Geevers

Copy to Messrs.: Honig ✓  
Menet  
Varekamp  
Wassenaar

All rights strictly reserved. Reproduction or loan to third parties in any form whatsoever is not permitted without written authority from the proprietor.



**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAK-84/75.242

1

75-12-03

ONDERWERP : Release for transferred production D14-125GH/08 batch 5

Test II results

Received 7 pieces

Measured 7 pieces

Good 3 pieces

Rejected 4 pieces

1 piece silicat stains (repaired)

1 piece modulation too high(repaired)

1 piece short circuit G6/Y2

1 piece rasterdistortion + dirt on the  
mesh.

Remark: 2 tubes too long but within published data.

1 tube + K/-F rather high 40 uA(good)

Total result after repair

Delivered to the store 5 pieces

rejected 2 pieces

All tubes have a wrong coating(repaired in Eindhoven)

G.Geevers

Copy to Messrs.: Honig

Menet

Varekamp.

Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.241

1

75-12-03

ONDERWERP : Release for transferred production 95476 batch 6

Test II results

Received 18 pieces

Measured 18 pieces

Good 7 pieces

Rejected 11 pieces

6 pieces silicat stains(repaired)

1 piece glass strain near screen

1 piece bruise

1 piece bruise + usefull scan too small

1 piece usefull scan too small

1 piece dirt on deflection plates

Remark: All tubes have no date code.(repaired)  
(must be X A 0)

After repair total result

Delivered to the store 13 pieces

Rejected 5 pieces

G.Geevers

Copy to Messrs.: Honig

Menet

Varekamp

Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/75.246

1

75-12-08

ONDERWERP : Release for transferred production D14-125GH/08 batch 7

Test II results

Received 35 pieces

Measured 35 pieces

Good 0 pieces

Rejected 35 pieces wrong coating

After repair

Good 31 pieces

Rejected 2 pieces glass strain near screen

2 pieces usefull scan too small

Remarks

- 1) 2 pieces repaired on dirt on the mesh
- 2) 6 pieces repaired on silicat stains.

G.Geevers

Copy to Messrs.: Honig  
Henet  
Varekamp  
Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAK-84/75.252

1

75-12-19

ONDERWERP : Release for transferred production D14-125GH/08 batch 8

Test II results

Received 38 pieces

Measured 38 pieces

Good 0 pieces

Rejected 2 pieces usefull scan too small  
2 pieces glass strain near screen  
1 piece short circuit g2 + g4/Y1  
6 pieces silicat stains(repaired)  
3 pieces scratches (repaired)  
4 pieces dirt on the mesh(repaired)  
38 pieces wrong coating (repaired)

Good after repair : 33 pieces

rejected : 5 pieces

G.Geevers

Copy to Messrs.: Honig ✓

Menet

Varekamp

Wassenaar

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.



**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.248

1

75-12-22

ONDERWERP : Release for transferred production D14-125GH/08 batch 9

Test II results

Received 45 pieces

Measured 45 pieces

Good 0 pieces

Wrong coating 45 pieces (repaired in Eindhoven)

After repair

Good 37 pieces

Rejected 1 piece dirt on the mesh (repaired)

4 pieces raster distortion

1 piece glass stain near screen

1 piece usefull scan too small

1 piece wire loose of the mesh

G. GeEVERS

Copy to Messrs.: Honig

Menot

Radstake

Varekamp

Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/71.255

1

75-12-23

ONDERWERP : Release for transferred production D14-123GP batch 10

Test II results

Received 8 pieces

Measured 8 pieces

Good 0 pieces

Repaired 2 pieces dirt on the mesh

5 pieces silicat stains

Rejected 1 piece raster distortion

Good after repair 7 pieces

G. Gevers

Copy to Messrs.: Honig

Menet

Kadstake

Varekamp

Wassenaar

All rights strictly reserved. Reproduction or issue to third parties in any form whatsoever is not permitted without written authority from the proprietors.

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.254

1

75-12-23

ONDERWERP : Release for transferred production D14-121GH batch 11

Received 125 pieces

Measured 16 pieces

Good 7 pieces

Rejected 5 pieces rasterdistortion

3 pieces gascross

1 piece dirt on the mesh(repair)

Batch is rejected

Total results after repair and measuring.

Good 104 pieces

Rejected 6 pieces rasterdistortion

3 pieces gascross

6 pieces usefull scan too small

1 piece modulation too big

2 pieces eccentricity too big

1 piece -Vg1 too high

2 pieces loose welding

G.Geevers

Copy to Messrs.: Honig V

Menet

Radstake

Varekamp

Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.255

1

75-12-23

ONDERWERP : Release for transferred production D14-121GH/08 batch 12

Test II results

Received 33 pieces

Measured 33 pieces

Good 25 pieces

Repaired 4 pieces silicat stains

Rejected 3 pieces raster distortion

1 piece glass strain near screen

G. Geevers

Copy to Messrs.: Honig v

Menet

Radstake

Varekamp

Wassenaar



**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.261

1

75-12-31

ONDERWERP : Release for transferred production D14-125GH/08 batch 13

Received 76 pieces

Measured 16 pieces

Good 15 pieces

Rejected 1 piece glass strain near screen

Batch is rejected

Outside inspection 60 pieces

good 56 pieces

rejected 4 pieces glass strain near screen

Total results

76 pieces wrong coating (repaired)  
good 71 pieces  
5 pieces glass strain near screen.

G.Geevers

Copy to messrs.: Honig ✓  
Menet  
Radstake  
Varekamp  
Wassenaar

ONDERWERP : Release for transferred production D14-125GH/08 batch 14

Test II results

Received 73 pieces

Measured 73 pieces

Good 48 pieces

Rejected 25 pieces

8 pieces rasterdistortion.

8 pieces usefull scan too small

3 pieces glass strain near screen (cracked)

2 pieces spotcharging Y

1 piece dirt on the mesh (repaired)

2 pieces scratches (repaired)

1 piece silicat stains (repaired)

Good after repair 52 pieces

Remark : 52 pieces repaired wrong coating( blue coating)  
removed and provided with aquadag.

G.Geevers

Copy to Messrs.: Honig

Monet

Madstake

Varekamp

Wassenaar

ONDERWERP : Release for transferred production D14-121GH batch 15

Test II results

Received 35 pieces

Measured 35 pieces

Good 29 pieces

Rejected 1 piece glass strain near screen (cracked)  
1 piece eccentricity too large 6.5 mm  
1 piece modulation too large (repaired)  
2 pieces silicat stains (repaired)  
1 piece scratches (repaired)

Good after repair 33 pieces

Remark : 3 tubes eccentricity outside II limits  
tubes are good on the publication.

G.Geevers

Copy to Messrs.: Honig  
Menet  
Radstake  
Varekamp  
Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.010

1

76-01-19

ONDERWERP : Release for transferred production D14-125GH/09 batch 16

Test II results

Received 101 pieces

Measured 101 pieces

Good 83 pieces

Rejected 18 pieces

10 pieces rasterdistortion

3 pieces usefull scan too small

3 pieces glass strain near screen (cracked)

1 piece glass strain near foot (cracked)

1 piece dirt on the mesh (repaired)

Good after repair 84 pieces.

G.Geevers

Copy to Messrs.: Honig ✓

Mene t

Radstake

Varekamp

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietors.



ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAM-84/76.035

1

76-02-19

ONDERWERP : Release for transferred production D14-122 GM/A batch 1

Test II results

Received 25 pieces

code T70

Measured 5 pieces

EGA

Results :

Good 4 pieces

Rejected 1 piece modulation too large

Batch is rejected.

Total results

Measured 25 pieces

Good 23 pieces

Rejected 2 pieces modulation too high (repaired)

Good after repair 25 pieces.

G.Geevers

Copy to Messrs.: Honig

Menet

Modderman

Radstake

Varekamp

Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.020

1

76-02-12

ONDERWERP : Release for transferred production D14-123GP batch 18

Test II results

Received 12 pieces tube code EBL

Measured 12 pieces

Results good 11 pieces

rejected 1 piece usefull scan too small

Delivered to the store 11 pieces.

G. Geervers

Copy to Messrs.: Honig  
Menet  
Radstake  
Varekamp  
Wassenaar

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/76.021

1

76-02-12

ONDERWERP : Release for transferred production D14-125GH/08 batch 19

Test II results

tube code E5L/E6A

Received 112 pieces

Measured 16 pieces

Results : Good 12 pieces

Rejected 3 pieces usefull scan too small

1 piece rasterdistortion.

1 Piece borderline good on published data of eccentricity

Batch is fault, but because of high urgency of delivery to the customer, this batch is delivered to the store.

4 Pieces send back to Brive.

Remark : It is urgent to improve the reject rate on "usefull scan too small" and "rasterdistortion".

It is impossible for Eindhoven to retest a considerable number of batches.

G. Gevers

Copy to Messrs.: Honig  
Monet  
Modderman  
Radstake  
Varokamp  
Wassenaar

**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/76.024

1

76-02-12

ONDERWERP : Release for transferred production D14-121GH batch 20

Test II results

Received 240 pieces      tube code ESL

Measured 32 pieces

Results : Good      32 pieces

Delivered to the store 240 pieces

G. Geevers

Copy to Messrs.: Herig  
Menet  
Rudstake  
Varekamp  
Wassenaar

All rights strictly reserved. Reproduction or loan to third parties in any form whatsoever is not permitted without written authority from the proprietors.



ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/76.036

1

76-02-19

ONDERWERP : Release for transferred production D14-123GP batch 21

Test II results

Received 29 pieces

code E6A

Measured 5 pieces

Results :

Good 3 pieces

Rejected 1 piece scan too small

1 piece rasterdistortion

Batch is rejected.

Total results

Measured 29 pieces

Good 15 pieces

Rejected 3 pieces silicat stains or scratches (repaired)

1 piece dirt on the mesh (repaired)

4 pieces rasterdistortion

3 pieces usefull scan too small

2 pieces cracked near screen

1 piece side pin protector forgotten(added in Eindhoven)

G.Geevers

Copy to Messrs.: Honig

Menet

Modderman

Kadstake

Varekamp

Wassenaar

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

44-64.77.037

1

76-02.15

08.000001 : release for transferred production D14-125GE/08 batch 44

Test 11 results

Received 80 pieces

Measured 20 pieces

Good 15 pieces

rejected 3 pieces silicat stains (repaired)

1 piece dirt on the mesh (repaired)

1 piece usefull scan too small

Batch is rejected..

for measuring and repairing sent to the factory.

After repair total results.

Good 64 pieces

rejected 6 pieces cracked near screen

5 pieces usefull scan too small

3 pieces rasterdistortion

1 piece broken heater

1 piece mesh quality bad.

G. GeEVERS

Copy to Messrs.: Honig ✓

Menet

Modderman

Hadstake

Varekamp

Wassenaar

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAH-84/76.039

1

76.02.20

ONDERWERP : Release for transferred production D14-123GH batch 23

Test II results

Received 35 pieces

date code E6A

Measured 5 pieces

Results :

Good 5 pieces

Batch is good

G. Geevers

Copy to Messrs.: Honig

Menet

Modderman

Radstake

Varekamp

Verhoeven

Wassenaar

ORDERWERF : release for transferred production \*D14-121GH batch 24.

Test II results

Received 160 pieces code E6A and E6B  
Measured 32 pieces  
Results:  
Good 27 pieces  
Rejected 5 pieces 1 piece raster distortion  
1 piece usefull scan too small  
1 piece cracked near screen  
1 piece scratches (repaired)  
1 piece stray emission (repaired)

Batch is rejected.

After measuring and repairing, 160 pieces in the factory.

The total results :

138 pieces good  
11 pieces raster distortion  
3 pieces usefull scan too small  
2 pieces -Vg1 too high.  
1 piece loose particles  
3 pieces cracked near screen  
2 pieces insulations.

G.Geevers

Copy to Messrs.: Honig  
Menet  
Modderman  
Radstake  
Varekamp , Wassenaar

RAR-84/75.226

13-1

75-11-20

ONDERWERP : Release for transferred production D14-121GH batch 1

L test and lifetest results

(for test II results see RAR-84/75.170)

L test

No extra faults were found.

The electrical and mechanical measurements are satisfactory.

Life test      0 hour

The results are good

1000 hours

Emission of tube 3 after 160 hours bad.

The rest of the results are satisfactory

The total results are satisfactory.

G.Geevers

Copy to Messrs.: Honig

Menet

Varekamp

Wassenaar





1. De naam van de fabrikant of leverancier van de apparatuur.   
 2. Het type van de apparatuur.   
 3. Het type van de meetmethode.   
 4. Het type van de meetinstrumenten.   
 5. Het type van de meetomstandigheden.   
 6. Het type van de meetresultaten.   
 7. Het type van de meetfouten.   
 8. Het type van de meettoelatingen.   
 9. Het type van de meetdocumentatie.   
 10. Het type van de meetapparatuur.

11. Het type van de meetmethode.   
 12. Het type van de meetinstrumenten.   
 13. Het type van de meetomstandigheden.   
 14. Het type van de meetresultaten.   
 15. Het type van de meetfouten.   
 16. Het type van de meettoelatingen.   
 17. Het type van de meetdocumentatie.   
 18. Het type van de meetapparatuur.

19. Het type van de meetmethode.   
 20. Het type van de meetinstrumenten.   
 21. Het type van de meetomstandigheden.   
 22. Het type van de meetresultaten.   
 23. Het type van de meetfouten.   
 24. Het type van de meettoelatingen.   
 25. Het type van de meetdocumentatie.   
 26. Het type van de meetapparatuur.

27. Het type van de meetmethode.   
 28. Het type van de meetinstrumenten.   
 29. Het type van de meetomstandigheden.   
 30. Het type van de meetresultaten.   
 31. Het type van de meetfouten.   
 32. Het type van de meettoelatingen.   
 33. Het type van de meetdocumentatie.   
 34. Het type van de meetapparatuur.

35. Het type van de meetmethode.   
 36. Het type van de meetinstrumenten.   
 37. Het type van de meetomstandigheden.   
 38. Het type van de meetresultaten.   
 39. Het type van de meetfouten.   
 40. Het type van de meettoelatingen.   
 41. Het type van de meetdocumentatie.   
 42. Het type van de meetapparatuur.

43. Het type van de meetmethode.   
 44. Het type van de meetinstrumenten.   
 45. Het type van de meetomstandigheden.   
 46. Het type van de meetresultaten.   
 47. Het type van de meetfouten.   
 48. Het type van de meettoelatingen.   
 49. Het type van de meetdocumentatie.   
 50. Het type van de meetapparatuur.

51. Het type van de meetmethode.   
 52. Het type van de meetinstrumenten.   
 53. Het type van de meetomstandigheden.   
 54. Het type van de meetresultaten.   
 55. Het type van de meetfouten.   
 56. Het type van de meettoelatingen.   
 57. Het type van de meetdocumentatie.   
 58. Het type van de meetapparatuur.

59. Het type van de meetmethode.   
 60. Het type van de meetinstrumenten.   
 61. Het type van de meetomstandigheden.   
 62. Het type van de meetresultaten.   
 63. Het type van de meetfouten.   
 64. Het type van de meettoelatingen.   
 65. Het type van de meetdocumentatie.   
 66. Het type van de meetapparatuur.

67. Het type van de meetmethode.   
 68. Het type van de meetinstrumenten.   
 69. Het type van de meetomstandigheden.   
 70. Het type van de meetresultaten.   
 71. Het type van de meetfouten.   
 72. Het type van de meettoelatingen.   
 73. Het type van de meetdocumentatie.   
 74. Het type van de meetapparatuur.

75. Het type van de meetmethode.   
 76. Het type van de meetinstrumenten.   
 77. Het type van de meetomstandigheden.   
 78. Het type van de meetresultaten.   
 79. Het type van de meetfouten.   
 80. Het type van de meettoelatingen.   
 81. Het type van de meetdocumentatie.   
 82. Het type van de meetapparatuur.

83. Het type van de meetmethode.   
 84. Het type van de meetinstrumenten.   
 85. Het type van de meetomstandigheden.   
 86. Het type van de meetresultaten.   
 87. Het type van de meetfouten.   
 88. Het type van de meettoelatingen.   
 89. Het type van de meetdocumentatie.   
 90. Het type van de meetapparatuur.

91. Het type van de meetmethode.   
 92. Het type van de meetinstrumenten.   
 93. Het type van de meetomstandigheden.   
 94. Het type van de meetresultaten.   
 95. Het type van de meetfouten.   
 96. Het type van de meettoelatingen.   
 97. Het type van de meetdocumentatie.   
 98. Het type van de meetapparatuur.

99. Het type van de meetmethode.   
 100. Het type van de meetinstrumenten.   
 101. Het type van de meetomstandigheden.   
 102. Het type van de meetresultaten.   
 103. Het type van de meetfouten.   
 104. Het type van de meettoelatingen.   
 105. Het type van de meetdocumentatie.   
 106. Het type van de meetapparatuur.

107. Het type van de meetmethode.   
 108. Het type van de meetinstrumenten.   
 109. Het type van de meetomstandigheden.   
 110. Het type van de meetresultaten.   
 111. Het type van de meetfouten.   
 112. Het type van de meettoelatingen.   
 113. Het type van de meetdocumentatie.   
 114. Het type van de meetapparatuur.

115. Het type van de meetmethode.   
 116. Het type van de meetinstrumenten.   
 117. Het type van de meetomstandigheden.   
 118. Het type van de meetresultaten.   
 119. Het type van de meetfouten.   
 120. Het type van de meettoelatingen.   
 121. Het type van de meetdocumentatie.   
 122. Het type van de meetapparatuur.



CONTROL - CONTROLE  
 KONTROLLE - TEST  
 Elektrisch

(14-1204-64-11-50)  
 14-11 (2-50-50)

36202

228

Property of the Philips Lamp Division  
 (Official Report form for lamps to be used in any form whatsoever, not allowed without written consent of the Philips Company)

Belegkaart voor de Philips  
 (Official Report form for lamps to be used in any form whatsoever, not allowed without written consent of the Philips Company)

Formularium der N.V. Philips  
 (Official Report form for lamps to be used in any form whatsoever, not allowed without written consent of the Philips Company)

Formularium der N.V. Philips  
 (Official Report form for lamps to be used in any form whatsoever, not allowed without written consent of the Philips Company)

D14-170  
 D14-170

GEZETT

YDEP

CONVANGEN CJP

STEMPEL

(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )			
inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst			
6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3		
1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80
afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl
15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )				
inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst				
32	20	18	30,5	39	27	21	24	16	30	14	15	3	20	20	20	20	20	20	20	20	20	20	20	
32	20	18	30,5	39	27	21	24	16	30	14	15	3	20	20	20	20	20	20	20	20	20	20	20	20
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80
afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl
15	10	10	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )	(V <sub>m</sub> )				
inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst				
32	20	18	30,5	39	27	21	24	16	30	14	15	3	20	20	20	20	20	20	20	20	20	20	20	20
32	20	18	30,5	39	27	21	24	16	30	14	15	3	20	20	20	20	20	20	20	20	20	20	20	20
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80
afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl
15	10	10	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10



Elektrisch

D14-170 (R=60x80-SP)  
 D14-170 (R=60x80-SP)

10 20 25

Geen stroomstroom

Noteren

Noteren

Noteren

Noteren

µA

µA

µA

V

V

µA

V

µA

µA



Property of the N.V. Philips' Gloeilampenfabrieken  
 Fabriek nr. Reprintrecht of disclosure of design or other parts  
 in any form whatsoever, not allowed without written consent  
 of the proprietors

Propriété de la N.V. Philips' Gloeilampenfabrieken  
 Usine n° Reprintrecht ou la communication de la  
 dessin ou d'autres parties, sans aucune autorisation écrite  
 de la propriété

Proprietà della N.V. Philips' Gloeilampenfabrieken  
 Stabilimento n° Reprintrecht o disclosure di disegni o di  
 altre parti, senza alcuna autorizzazione scritta della  
 proprietaria

Proprietat de la N.V. Philips' Gloeilampenfabrieken  
 Fabrica nr. Reprintrecht sau divulgarea de proiecte sau  
 alte parti, fara nici o autorizatie scrisa de catre  
 proprietarii

Proprietar de la N.V. Philips' Gloeilampenfabrieken  
 Fabrica nr. Reprintrecht sau divulgarea de proiecte sau  
 alte parti, fara nici o autorizatie scrisa de catre  
 proprietarii

37

CONTROLLE - CONTROLE  
 KONTROLLE - TEST

LELEKTRISCH

COULEZ

(D14-1200E-GH-GM-GP)  
 D14-121 (BE-GM-GP)

GH

BLAD  
 BLATT  
 FEUILLE  
 SHEETS

362-5

EENHEDEN

2  
 bed/cor

EISEN  
 5 P 5 STUKS  
 100

MIN  
 MAX  
 X MIN  
 X MAX  
 R MAX  
 MIN  
 MAX

X R  
 37  
 37

BOUWNUMMER  
 529 019 335  
 529 214 372  
 529 035 372  
 529 022 363  
 529 039 277

SCHEMA (I)

OPM (I)

METING

GH GP GH BE  
 A6 A6 A6 A6

10% 1% 0,1%

Kleurpunt  
 X1 Y1 X2 Y2 g7

Inbrant  
 den oelen punt Y X corr A Vg?

Na schakken/na valproef  
 Verrech. Exc. AS?

ONTVANGEN OP

VOOR:

GEZIEN

D14-120...  
 D14-121...

Vf	(V <sub>o</sub> )	6,3	inst	6,3	inst	6,3
Vg1	(V <sub>o</sub> )	6,3	inst	6,3	inst	6,3
Vg2g4	(kV <sub>o</sub> )	1,5	foc	1,5	foc	1,5
Vg3	(V <sub>o</sub> )	1,5	foc	1,5	foc	1,5
Vg7	(kV <sub>o</sub> )	10	R	10	R	10
Vy	(V <sub>o</sub> )	R	R	R	R	R
Vx	(V <sub>o</sub> )	40x40	40x40	40x40	40x40	40x40
g7	(μA)	5	5	5	5	5

inst	6,3	inst	6,3	inst	6,3
foc	1,5	foc	1,5	foc	1,5
R	10	R	10	R	10
0	0	0	0	0	0
PJZ	PJZ	PJZ	PJZ	PJZ	PJZ

inst	6,3	inst	6,3	inst	6,3
foc	1,5	foc	1,5	foc	1,5
0	0	0	0	0	0
PJZ	PJZ	PJZ	PJZ	PJZ	PJZ

Op1	g7	Y2	Y2	X2	X2	Y1	Y1	X1	X1
g7	g7	g7	g7	g7	g7	g7	g7	g7	g7

inst	6,3	inst	6,3	inst	6,3
foc	1,5	foc	1,5	foc	1,5
0	0	0	0	0	0
PJZ	PJZ	PJZ	PJZ	PJZ	PJZ

inst	6,3	inst	6,3	inst	6,3
foc	1,5	foc	1,5	foc	1,5
0	0	0	0	0	0
PJZ	PJZ	PJZ	PJZ	PJZ	PJZ

inst	6,3	inst	6,3	inst	6,3
foc	1,5	foc	1,5	foc	1,5
0	0	0	0	0	0
PJZ	PJZ	PJZ	PJZ	PJZ	PJZ

(I) zie D14-120/402

CONCLUSIE



Property of the N.V. Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands. Reproduction or dissemination of this document in any form without written consent of the proprietors.

Proprietor: de N.V. Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands. Reproduction or dissemination of this document in any form without written consent of the proprietors.

Proprietor: de N.V. Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands. Reproduction or dissemination of this document in any form without written consent of the proprietors.

D-4-120.6  
214-121

GEZIEN

VOOR

ONTVANGEN OP

STEMPEL

100  
100

METING	Isolaties				If				Gas
	36	36	37	37	I	II	III	IV	- Ig3
OPM (°)	36	36	37	37	37	37	37	37	16
SCHEMA (T)	A2	A2	A2	A2	A2	A2	A2	A2	A4
529 <sup>019</sup>	0,1	0,3	0,5	0,7	0,8	0,9	0,9	300	1
529 <sup>014</sup>	0,3	1,2	0,11	0,5	0,6	1,2	2,98	1	
529 <sup>035</sup>	3,4	3,1	0,9	0,8	1,0	2,6	308	5	
529 <sup>022</sup>	0,2	0,3	0,5	0,6	0,7	1,0	2,98	1	
529 <sup>039</sup>	0,4	0,5	0,5	0,7	0,8	2,1	2,95	1	
X	0,9	1,1	0,5	0,7	0,8	1,6	300	2	
R	3,1	2,8	0,6	0,3	0,4	1,7	13	4	
							280		
EISEN	MAX	45	45	3	3	3	9	320	45
	MIN								
	MAX								
	MIN								
EFNHEDEN	µA	µA	µA	µA	µA	µA	µA	µA	µA

CONCLUSIE I - 419195/-9293496YX III - 419193V/-9294956Y  
II - 41919294X/-93956Y IV - 419195V/-919295496X

CONCLUSIE

Lelektrisch

(D14-120E-GH-GM-6P)  
D14-121 (RE-GM-6P) GH

(1) 214 0V.6.3-O.401

Property of the N.V. Philips' Gloeilampenfabrieken. Eigendom van de N.V. Philips' Gloeilampenfabrieken. Propriété de la N.V. Philips' Gloeilampenfabrieken. Impossibile di cedere i diritti di proprietà senza il permesso scritto della Philips' Gloeilampenfabrieken. Inalienable. Reproduction or translation to third parties in any form whatsoever, not allowed without written consent of the proprietor.

STEMPEL	ONTVANGEN OP						VOOR	GEZIEN	U14-120.. D14-121..
	2	3	4	5	6	7			
11053	11053	11050	3004	10932	10932	3004			
* Meetbuisbeender 2701 - 2705 - 2709 - afzetschermde meetbuis									
Capaciteiten D14-120..									
Capaciteiten D14-121..									
63									
METING	g1/rest	k/rest	Y1/Y2	X1/X2	Y1/rest	Y2/rest	X1/rest	X2/rest	Y1/Y2
OPM (T)	A3	A3	A3	A3	A3	A3	A3	A3	A3
SCHEMA (T)	A3	A3	A3	A3	A3	A3	A3	A3	A3
BUISNUMMER	529 019	529 019	529 035	529 022	529 039				
EISEN	MIN.	4,9	3,8	1,3	1,7	4,1	5,7	5,7	5,7
	MAX.	6,1	4,8	1,9	2,5	5,1	6,9	6,9	6,9
	X MIN.								
	X MAX.								
	R MAX.								
EENHEDEN	PF	PF	PF	PF	PF	PF	PF	PF	PF
CONCLUSIE									

39  
EVAR

CONTROLÉ - CONTROLE  
KONTROLLE - TEST

L-elektrisch

CODE No. (014-120BE-GH-GM-GP)  
TYPE D14-121 (BE-GM-GP) GH

BLADEN  
BLÄTTER  
FEUILLES  
SHEETS

BLAD  
BLATT  
FEUILLE  
SHEET

3627

(T) = zie RV-63-O 402



Property of the N.V. Philips' Gloeilampenfabrieken, Eindhoven. Reproduction or disclosure to third persons, in any form whatsoever, is not allowed without written consent of the proprietors.

Propriété de la N.V. Philips' Lampenfabrieken, Eindhoven. La reproduction ou la divulgation à des tiers, sous quelque forme que ce soit, sans l'autorisation écrite de la propriétaire.

Figurum der N.V. Philips' Gloeilampenfabrieken, Eindhoven. Verveelving of mededeling van derden is niet toegestaan.

Recht van de N.V. Philips' Gloeilampenfabrieken, Eindhoven. Vervielfuldiging of mededeling aan derden is niet toegestaan.

METING	STEMPEL				ONTVANGEN OP				VOOR				GEZIEN				D14-120..		D14-121..	
	Langte buis zonder stengel	Langte stengel	Afstand halskant spoel tot scherm	Langte schermglas (max.)	Breedte schermglas (max.)	Diagonaal schermglas (max.)	Halsdiameter	Halsdiameter bij X deflec. platen	Afstand naveren. contact tot scherm	Afstand zijcont. tot scherm (D14-121..)	Cilindrisch gebolde pennen (D14-121..)	Schokken	Valproef	Treksterkte pennen	Controle uitwendige lading op conus	Uitwendige controle	Druktest	Scheefheid schermglas	Hol/bolheid schermglas	
529 019 361 14				98,4	118,5	144,2	50,8	80,3	51	279,5	220,8	4,9						86	85	
529 014 359 13,5				97,7	117,5	143,2	51,3	80,15	34	279,2	223,5	4,6						84	85	
529 055 361,5 13,5				98,3	118,3	143,5	51,0	80,2	34,5	280	221	4,7						86	85	
529 022 360,5 13				98,5	118,5	143,2	50,8	80,4	31	278	225,5	4,85						86	85	
529 059 362 14				98,6	118,6	144,0	50,6	80,55	32	280,5	221,7	4,6						86	85	
361 14				98,3	118,3	143,7	50,9	80,3	32,5	279,4	221,7	4,73						86	85	
3				99	120	150	47	80,3	35	285	215	2						86	85	
MIN 355				95	115	146	49,5	78,5	30	273	213	2,5						86	85	
MAX 365				100	120	151	52,5	81,5	40	283	233	2,5						86	85	
X MIN																		86	85	
Y MAX																		86	85	
R MAX																		86	85	
MIN																		86	85	
MAX																		86	85	
EISEN																				
100																				
5 STUKS																				
5																				
EERJEDEN																				
kg/cm <sup>2</sup>																				
kg																				

scratches siliical stamst loose particles  
scratches siliical stamst loose particles  
scratches siliical stamst loose particles  
good good  
scratches good

27-5-69

CONTROLLE - CONTROLLE  
KONTROLLE - TEST

L-mechanisch

Th. 1  
614-120 (BE-GM-GP)  
D14-121 (BE-GM-GP)  
6H

CONCLUSE

363-1

**KWALITEITSLABO. FORIUM PROFESSIONELE KATODESTRAALBUIS**  
**LEVENSDUUR OSCILLOGRAAFBUISZEN**

Type : 014-121GH <sub>a</sub>	Instellingen brandream, nr. 17		
Proefnr.: 50191	Buisnr. pos.	Vf	V
Aantal : 5	1528019	2	5,7 V
Datum : 75-09-25	2529014	10	6,3 V
Inzender: <u>BIAL, LABA</u>	3528035	3	6,3 V
Proedp.: I 172	4528022	11	7,0 V
Pompvoorschr.:	5528039	4	7,0 V
Brandvoorschr.:	6		V

buis-nr.	meet-datum	aantal brand uren	Eis	0 h 1000h	-Vg1 bij 15 µA	-Vg1 bij 15 µA	Ik bij 15 µA	Kat. opp.	Ik bij 15 µA	I <sub>v</sub> bij 20V	I <sub>nav.</sub> bij 20V	Mod. Vg1 bij 15 µA	Kat. eff.	Gas kruis	Scherm kwal.	Hel. der held	Held. Δ	Scherm op/	Lek stroom	Gas	Isolaties				Opmerkingen.
																					+K/-F	-K/+F	I	II	
1	75-03-26	0			V	V								net.		not.									
	75-10-03	160			45	32			33	33	13			1		355				1	µA	µA	µA	µA	
	75-10-18	500			44	31			31	31	14			1		335	0			1	µA	µA	µA	µA	
	75-11-07	1000			45	32			30	30	14			1		335	0			1	µA	µA	µA	µA	
	75-12-19	2000			45	32			30	30	14			1		335	0			1	µA	µA	µA	µA	
2		0			55	40			27	30	16			1		372				1	µA	µA	µA	µA	
	160				54	39			28	30	15			1		322	0			1	µA	µA	µA	µA	
	500				55	41			27	30	15			1		372	0			1	µA	µA	µA	µA	
	1000				55	41			30	29	15			1		372	0			1	µA	µA	µA	µA	
3		0			57	43			35	30	15			1		372				1	µA	µA	µA	µA	
	160				41	NTM			320	9	33			1		363	2,4			1	µA	µA	µA	µA	
	500				41	NTM			360	8	41			1		363	2,4			1	µA	µA	µA	µA	
	1000				41	NTM			NTM	4	8	NTM		1		363	2,4			1	µA	µA	µA	µA	
4		0			56	43			33	24	15			1		363				1	µA	µA	µA	µA	
	160				54	41			35	22	16			1		353	2,7			1	µA	µA	µA	µA	
	500				54	40			32	25	16			1		353	2,7			1	µA	µA	µA	µA	
	1000				54	40			33	26	15			1		353	2,7			1	µA	µA	µA	µA	
5		0			38	26			38	30	14			1		344				1	µA	µA	µA	µA	
	160				36	24			37	32	13			1		344	0			1	µA	µA	µA	µA	
	500				37	25			35	30	14			1		344	0			1	µA	µA	µA	µA	
	1000				37	25			37	28	14			1		344	0			1	µA	µA	µA	µA	
6		0																							
	160																								
	500																								
	1000																								

GEMENSTE LEVENSDUUR: 1000 h  
 Type: 014-121  
 Afwijking t.o.v. normale productie:  
 BRIVE BATCH 1.

BUIS KEFT DIP.



Type

Type: D14-120.. - 121.. - 122.. - 123..

Metings ad. / Datum	Vg1	Vg1 bij 15 $\mu$ A T1	Ik bij 10 $\mu$ A Inav	Mod. Vg1 bij 15 $\mu$ A Inav	Inav. bij 20V mod.	Helderh.	Gpm.
Profiel Scherm	V	V	$\mu$ A	V	$\mu$ A	$Ca/m^2$	
Branduren	20-57	noteren	noteren			$GE \geq 250$	
	30 50	10 20	50 100	10 20	0 20	300 500	
20-2-72 0							N/C2. 1000 mm
20-2-72 160							N/C2. 500
9H 500							
1000							
2-2-72 0							naar base
2-2-72 160							
9H 500							
1000							
20-5-72 0							naar base
20-5-72 160							
9H 500							
1000							
20-6-72 0							cf
20-6-72 160							
9H 500							
1000							
25-7-72 0							cf
25-7-72 160							
9H 500							
1000							
5000p 0							
5000p 160							1000 mm
9H 500							cf
1000							1000 mm
2000							
50116 0							
50116 160							7.155
9H 500							
1000							
2000							
50116 0							cf
50116 160							
9H 500							
1000							
2000							
50116 0							cf
50116 160							
9H 500							
1000							
2000							
0							
160							
500							
1000							

Veld Inz. g. h. 3 Schaar Branduren	-Vgt			Vgt bij 15/VA IJ			Ik bij 15/VA Inav.			Mod. Vgt bij 15/VA Inav.			Inav. bij 20 V Mod.		Helverheid		Oop.		
	V.			noteren			noteren			noteren			noteren		noteren				
	30	50	70	10	0	50	5	100	10	20	0	20	40	300	500				
50118 24-02-17. 160 500 1000 1000																	BLANKE HARBER SRI		
50119 24-02-17. 160 500 1000 1000																		HP 6 BL: SR-114	
50147 24-10-18 120 94 500 1000 1000																			14-125 0,6 WOTT. 42 1/2 SPAN.
50127 24-05-02. 160 94 500 1000 2000																			
50120 25-05-02 160 94 500 1000 2000																	T132 1x 0,6 WOTT. 2x 0,6 WOTT. 10,00 small		
50134 24-08-20 160 94 500 1000 1000																		1x 0,6 WOTT. 1x 0,6 WOTT.	
50135 24-08-20 160 94 500 1000 1000																			FL 115-79/27
50136 25-08-20 160 94 500 1000 1000																			
50156 25-01-07. 160 94 500 1000 2000																	94-81.		
50153 25-01-07. 160 94 500 1000 1000																		T132-32	

No. / Date Name	-v1		v1 bij 15 /uA li		v2 bij 15 /uA Inava		Medelp' bij 15 /uA Inava		Inove bij 20 v Medp		helderheid		Ops.	
	v	20-57	v	neteren	v	neteren	v	20	v	neteren	ca/m <sup>2</sup>	GR 2 257		
standuren	30	50	70	0	20	40	0	50	100	0	20	40	50	500
50175 75-04-07 9H	0													DIV-125SH
	100													
	500													
	1000													
	2000													
50176 75-04-07 9H	0													DIV-125SH
	100													1400.
	500													LANDE
	1000													BOLEN.
	2000													
50181 75-06-24 9H	0													DIV-125SH
	100													9H/133.
	500													
	1000													
	2000													
50182 75-06-24 9H	0													DIV-125SH
	100													MORIE PROO.
	500													
	1000													
	2000													
50191 75-09-25 9H	0													DIV-121SH
	100													BATCH.
	500													BRIVE.
	1000													
	2000													
50193 75-10-09 9H	0													DIV-1239P
	100													BATCH 2
	500													BRIVE.
	1000													
	2000													
	0													
	100													
	500													
	1000													
	2000													
	0													
	100													
	500													
	1000													
	2000													



**ELCOMA**

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.228

13-1

75-11-20

ONDERWERP : Release for transferred production D14-123GP batch 2

L test and life test results

(for II results see RAR-84/75.229)

L test

1x gascross (already mentioned in II results)

1x rasterdistortion (already mentioned in II results)

1x usefull scan borderline good

1x stray emission after repair good

1x preference direction of polishing after repair good

The other electrical and mechanical measurements are good.

Life test      0 hours

No remarks

1000 hours

The electrical and mechanical measurements are good

G. Geevers

Copy to Messrs.: Honig

Menet

Varekamp

Wassenaar





Eigendom van de N.V. Philips Gloeilampenfabrieken. Inmiddels overgegaan op de N.V. Philips' Gloeilampenfabrieken. Reproduction or disclosure to third parties in any form whatsoever not allowed without written consent of the proprietor.

STEMPEL			ONTVANGEN OP										VOOR			GEZIEN			914-120.. 014-121..			
27-5-69			6,3			6,3			6,3			6,3			6,3			6,3			22100	
Vf			inst			inst			inst			inst			inst			inst				
Vg1			1,5			1,5			1,5			1,5			1,5			1,5				
Vg2g4			foc			foc			foc			foc			foc			foc				
Vg3			10			10			10			10			10			10				
Vg7			lijn			lijn			lijn			lijn			lijn			lijn				
Vy			afl			afl			afl			afl			afl			afl				
Vx			lijn			lijn			lijn			lijn			lijn			lijn				
Ik			2			2			2			2			2			2				
Iq7			20			20			20			20			20			20				
Deflectie (cm)			0			0			0			0			0			0				
METING			Deflectiefactor			Exc.defl.fact.			Gaas			Uitsluiting			Lineariteit			Past.vorv.				
			Y1 Y2 X1 X2			Y X kwal.			Y1 Y2 X1 X2			Y1 Y2 X1 X2			Y1 Y2 X1 X2			Y1 Y2 X1 X2				
OPM (1)			5-11-12-15-54			51			114			1-11-22-42-56-113			12-17-54			11-25-66				
SCHEMAs			A6 A6 A6 A6			A6			A6			A6 A6 A6 A6			A6 A6 A6 A6			A6 A6 A6 A6				
BESZONDERHEDEN			524 114 4,2			524 102 10,2			goed			43 43 53 53			good raster distortion							
			524 2183 4,2			524 15,5 15,5			goed			43 42 53 52			good good							
			524 3003 4,25			524 15,6 15,6			goed			40 43 53 53			good good							
			524 1144 4,15			524 15,5 15,5			goed			44 44 54 54			good good							
			524 5160 4,2			524 15,5 15,5			goed			44 44 54 54			good good							
X			4,2			4,2			4,2			42,8 43,2 53,4 53,2										
D			0,1			0,1			0,4			40 2 1 2										
MIN			4			4			14,7			40 40 50 50										
MAX			4,5			4,5			16,3			20 20 20 20										
Y			MIN			MIN			MIN													
Z			MAX			MAX			MAX													
R			MIN			MIN			MIN													
S			MAX			MAX			MAX													
FC-50024			V/cm			V/cm			V/cm			V/cm			V/cm			V/cm				
CONFUSIE			V/cm			V/cm			V/cm			V/cm			V/cm			V/cm				



CONTROL - CONTROLE  
 KONTROLLE - TEST

Elektrisch

(014-12018-61001-01)  
 14-121 (ER-601-01)

362-2

Property of the N.V. Philips' Gloeilampenfabrieken, Eindhoven. Reproduction or disclosure to third parties in any form whatsoever, not allowed without written permission of the proprietors.

Propriété de la N.V. Philips' Gloeilampenfabrieken, Eindhoven. La reproduction ou disclosure à des tiers, sous quelque forme que ce soit, sans permission écrite de la propriété, n'est permise qu'avec l'autorisation écrite de la propriété.

Proprietor of the N.V. Philips' Gloeilampenfabrieken, Eindhoven. Reproduction or disclosure to third parties in any form whatsoever, not allowed without written permission of the proprietors.

40

27-5-69

CONTROLE - CONTOLE  
KONTROLL - TEST

Elektrisch

014-120E-04-01-01  
014-121 (RE-01-01)

14

METER	STEMPEL			ONTVANGEN OP:			VOOR:			GEZIEN:			
	(V=)	(V=)	(kV=)	(V=)	(kV=)	(V=)	(V=)	(kV=)	(V=)	(kV=)	(V=)	(kV=)	(V=)
Vg1	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3	6,3
Vg2g4	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Vg3	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc
Vg7	10	10	10	10	10	10	10	10	10	10	10	10	10
Vy	R	R	R	R	R	R	R	R	R	R	R	R	R
Vx	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80	60x80
Ik	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl	afl
Ig7	15	10	10	10	15	10	15	10	10	10	10	10	10
Mod.Vg1	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)	(uA)
METING													
Ik	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6
Ig7	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18
SCHEMA T1													
A6	19	30	12	-2	39,5	300	+2	5	0	19,5	6	545	more
31	27	25,5	14,5	-3	35,5	305	+3	0	0	17	8	520	more
48	19	36,5	11,5	0	39	300	+1	8	0	23	8	540	more after repair
30	20	35	11,5	-1	43,5	305	0	0	0	23,5	9	540	more
30	24	30,5	11	-1	37	302	+2	-4	0	20	6	535	more
38	35	32	31,5	-1	38,9	302	+2	+2	0	20,4	7	536	more
18	8	11	1	-3	6,5	5	3	12	0	6	3	25	more
MIN	20	20	20	-10	20	270	-45	-95	8	15	15	25	more
MAX				+10	57	330	+45	+95	8	25	25	25	more
X MIN													
X MAX													
R MAX													
MIN													
MAX													

Geen depositv.

Noteren

Noteren

Noteren

Noteren

Noteren

Noteren

Noteren

14

CONCLUSIE

6-2-3

(1) 110 RV-0-30-402



Property of the Philips Telecommunicatiebedrijf  
 Eigendom van het Philips Telecommunicatiebedrijf  
 Eigentum der Philips Telecommunicatiegesellschaft  
 Proprieté de la S.A. Philips Télécommunications  
 Proprietà della S.A. Philips Telecomunicazioni  
 Proprietariedad de la S.A. Philips Telecomunicaciones  
 Eigendomsrecht van de Philips Telecommunicatie Maatschappij

STAMP	RECEIVED						FOR						SEEN						D14-120.. D14-121..
	(V <sub>1</sub> )	(V <sub>2</sub> )	(V <sub>3</sub> )	(V <sub>4</sub> )	(V <sub>5</sub> )	(V <sub>6</sub> )	(V <sub>1</sub> )	(V <sub>2</sub> )	(V <sub>3</sub> )	(V <sub>4</sub> )	(V <sub>5</sub> )	(V <sub>6</sub> )	(V <sub>1</sub> )	(V <sub>2</sub> )	(V <sub>3</sub> )	(V <sub>4</sub> )	(V <sub>5</sub> )	(V <sub>6</sub> )	
V9	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst	inst
V91	1,3	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
V92	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc	foc
V93	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
V97	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
V98	75	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
V99	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Lijnbreedte																			
METING	Y	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	mid.	mid.	links	links	links	links	links	links	links	links	links	links	links	links	links	links	links	links	links
	mid.	mid.	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven	boven
	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33	1-11-33
	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65	61-65
SCHEMA	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6	A6
529	174	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44
529	183	0,43	0,42	0,40	0,38	0,39	0,34	0,36	0,38	0,38	0,35	0,35	0,32	0,41	0,42	0,41	0,40	0,42	0,40
529	203	0,43	0,40	0,36	0,37	0,37	0,38	0,35	0,35	0,32	0,31	0,31	0,34	0,37	0,38	0,37	0,39	0,39	0,39
529	144	0,36	0,36	0,29	0,32	0,31	0,35	0,31	0,31	0,38	0,41	0,37	0,37	0,42	0,44	0,45	0,46	0,42	0,44
529	160	0,44	0,41	0,37	0,37	0,37	0,38	0,41	0,37	0,37	0,37	0,37	0,37	0,39	0,39	0,40	0,40	0,39	0,39
		0,42	0,40	0,39	0,37	0,38	0,37	0,38	0,37	0,37	0,37	0,37	0,37	0,39	0,39	0,40	0,40	0,39	0,39
		0,08	0,06	0,09	0,12	0,13	0,10	0,15	0,10	0,09	0,12	0,12	0,15	0,16	0,15	0,15	0,15	0,15	0,14
	MIN																		
	MAX	0,45	0,45																
	MIN																		
	MAX																		
	MIN																		
	MAX																		



CONTROLÉ CONTROLE  
 CONTROLÉ TEST

L-elektrisch

(D14-120E-SH-GM-1P)  
 (D14-121 (DE-GM-1P) JM

362-1

Property of the N.V. Philips' Gloeilampenfabrieken. Reproduction or disclosure to third parties in any form whatsoever, not allowed without written consent of the proprietor.

Proprieté de la N.V. Philips' Gloeilampenfabrieken. Toute réimpression ou divulgation à des tiers, sans quelque forme que ce soit, n'est autorisée que par le propriétaire.

Eigendom der N.V. Philips' Gloeilampenfabrieken. Emittenten. Verveelving of openbaarmaking van de tekening of de afbeelding van de tekening of de afbeelding van de tekening is niet toegestaan.

Proprietà della N.V. Philips' Gloeilampenfabrieken. È vietata espressamente la ristampa o l'uso non autorizzato della presente tavola senza permesso scritto della Philips' Gloeilampenfabrieken.

STEMPEL:		ONTVANGEN OP:					VOOR:					GEZIEN:					
WV	(V <sub>W</sub> )	6,3	6,3	6,3	6,3						6,3	6,3	6,3	6,3	6,3	6,3	
Vg1	(V <sub>v</sub> )	Inst	Inst	Inst	Inst						Inst	Inst	Inst	Inst	Inst	Inst	
Vg2g4	(kV <sub>v</sub> )	1,5	1,5	1,5	1,5						1,5	1,5	1,5	1,5	1,5	1,5	
Vg3	(V <sub>v</sub> )	foc	foc	foc	foc						foc	foc	foc	foc	foc	foc	
Vg7	(kV <sub>v</sub> )	10	10	10	10						10	10	10	10	10	10	
Vv	(V <sub>v</sub> )	R	R	R	R						R	R	R	R	R	R	
Vx	(V <sub>v</sub> )	40x40	40x40	40x40	40x40						40x40	40x40	40x40	40x40	40x40	40x40	
Ig7	(μA)	5	5	5	5						5	5	5	5	5	5	
METING		Heelderheid					Nachtigheid					Kleurpunt					
OPM (T)		GH	GP	GH	BE	10%	1%	0,1%	X1	Y1	X2	Y2	Op1	inbran.	LOSSE delen	Versch. punt	Na achtkken/na valproef
SCHEMA (T)		A6	A6	A6	A6												
BUSNUMMER		529174					None					None					
		5292183					None					None					
		5293005					None					None					
		5294144					None					None					
		5295160					None					None					
EISEN		X															
		R															
		MIN															
		MAX															
		X MIN.															
		X MAX.															
		R MAX.															
		MIN.															
		MAX															
EENHEDEN		2															
		mod/ea															
CONCLUSIE:																	



CONTOLE - CONTOLE  
KONTROLLE - TEST

L. Dekker

CODE N.  
TYPE

(014-1208-CH-GM-3P)  
014-124 (RE-GH-3P)

GH

(T) - zie KV.6-3-O.402

\*

CONCLUSIE:

323





Property of the N.V. Philips' Gloeilampenfabrieken, Eindhoven. Reproduction or disclosure to third parties in any form whatsoever, not allowed without written consent of the proprietors.

Propriété de la N.V. Philips' Gloeilampenfabrieken, Eindhoven. Toute réimpression ou divulgation à des tiers, sous quelque forme que ce soit, est formellement interdite sans l'autorisation écrite de la proprieté.

Copyright der N.V. Philips' Gloeilampenfabrieken, Eindhoven. In reproductie of openbaaring van het ontwerp of de afbeelding van het ontwerp, in welke vorm ook, is zonder schriftelijke toestemming van de uitgever niet geoorloofd.

STAMP: 52  
 122  
 D14-120..  
 D14-121..

Capaciteiten D14-121..

METING		VOOR			ONTVANGEN OP:			GEZIEN:		
g1/rest	k/rest	Y1	X1	Y2	X1	Y1	X1	Y2	X1	Y2
g1/rest	k/rest	rest	rest	rest	rest	rest	rest	rest	rest	rest
2	6	9	3	9	11	5	3			
11053	11053	11050	11050	3004	10932	3004	3004			

\* Meetbuisheeder 2701 + 2705 + 2709 + afgeschermd assorti, joo

Capaciteiten D14-120..

METING		VOOR			ONTVANGEN OP:			GEZIEN:		
g1/rest	k/rest	Y1	X1	Y2	X1	Y1	X1	Y2	X1	Y2
g1/rest	k/rest	rest	rest	rest	rest	rest	rest	rest	rest	rest
5,30	4,30	1,57	2,06	3,58	3,52	6,00	5,50			
5,30	4,40	1,54	2,06	3,72	3,52	5,50	5,50			
5,35	4,23	1,67	2,06	3,52	3,48	5,65	5,55			
5,30	3,96	1,64	2,06	3,44	3,36	5,50	5,55			
5,45	3,92	1,59	2,06	3,72	3,72	5,55	5,50			
5,38	4,16	1,60	2,06	3,60	3,52	5,64	5,51			
0,80	0,98	0,13	0	0,28	0,36	0,50	0,10			
4,9	3,8	1,3	1,7	4,1	5,7	5,7				
6,1	4,8	1,9	2,5	5,1	6,9	6,9				

OPM 17)

SCHEMA (T)

BUISNUMMER	A3	A3	A3	A3	A3	A3	A3
529174							
5292183							
5293003							
5294174							
5295160							
$\bar{X}$							
R							
MIN	4,9	3,8	1,3	1,7	4,1	5,7	5,7
MAX	6,1	4,8	1,9	2,5	5,1	6,9	6,9
$\bar{X}$ MIN							
$\bar{X}$ MAX							
R MAX							
MIN							
MAX							

EISEN: 100%

5 P 5 STUKS

FENMEDEN

CONCLUSIE

PAR PAR PAR PAR TH  
 BLADEN  
 BLATT  
 FEUILLES  
 SHEETS

BLAD  
 BLATT  
 FEUILLE  
 SHEET

362-7

CODE N: (D14-120BE-GH-GM-GP)  
 TYPE D14-121 (DE-3M-GP) GH

N.V. PHILIPS' GLOEILAMPENFABRIEKEN EINDHOVEN NEDERLAND

(T) zie RV-6-3-O 402

Eigendom van de N.V. Philips' Glasfabriek, Eindhoven. Vermoeging van aardhouding aan deuren en welke vorm ook, is zonder schriftelijke toestemming van de afzender niet geoorloofd.  
 Property of the N.V. Philips' Glassworks, Eindhoven. Reproduction or construction of doors in any form whatsoever not allowed without written approval of the proprietor.  
 Eigentum der N.V. Philips' Glasfabriek, Eindhoven. Vermoeging aller Art an Türen, in welcher Form auch, ohne schriftliche Genehmigung der Eigentümerin ist nicht gestattet.  
 Propriété de la N.V. Philips' Verreterie, Eindhoven. La reproduction ou construction de portes en toute forme sans autorisation écrite de la propriétaire.

53

CONTROLÉ - CONTROLÉ  
 KONTROLLE - TEST

L-mechanisch

CODE Z  
 TYPE

6014-120GH-BE-GM-GP  
 014-121 (BE-GM-GP)

1  
 10N

27-5-69

STEMPEL:		ONTVANGEN OP:				VOOR:			GEZIEN:			DIN-120. 014-121..									
Lengte buis zonder stengel		Lengte stengel		Afstand halserkant spool tot scherm	Lengte schermglas (max.)	Diagonaal schermglas (max.)	Halddiameter	Halddiameter bij X deflex. platen	Afstand rasterb. contact tot scherm	Afstand zijlemt. tot scherm (014-121..)	Lengte conus	Cilinderlengte spool tot penen (014-121..)	Schokken	Valproef	Treksterkte penen	Controlé uitwendige tekking op conus	Uitwendige controle	Bruktest	Schermglas achterglas	Hol/bolheid achterglas	
529 174 363	135	136,7	97,8	107,5	143,6	51,1	80	33,6	279	223,4	4,8	good scratches	59	52	88	85					
529 183 362,5	13	139,6	98,3	110,1	142,7	50,8	79,9	37,4	270,5	225,2	4,7	good scratches									
529 203 362	15,5	130,2	98,2	117,7	141,8	51,4	80,2	36	280	225	4,8	* scratches + riblet stains									
529 144 361,5	13	137,5	97,8	110,8	143,7	50,8	80	33,5	278	223,8	4,6	* scratches + riblet stains									
529 160 361	14	137	97,7	117,4	143,4	51,5	80,1	34,9	280	223,8	4,6	good stripes in screen glass									
529 362	13,8	137,8	98	117,7	143	51,1	80	35	279,1	224,2	4,7	(preference direction)									
2	2,5	2,9	0,6	0,16	1,8	0,7	0,3	2,9	273	213	2	2,5									
MIN	395	95	115	100	120	151	52,5	81,5	40	283	233										
MAX	365	18,5																		0,8	0,5
X MIN																					
X MAX																					
R MAX																					
MIN																					
MAX																					
EENHEDEN																				kg/cm <sup>2</sup>	mm

CONCLUSIE: \* scratches on blue silicone layer.

54

KWALITEITSLASOR JORUM PROFESSIONELE KATODESTRAALBUJ  
LEVENSDUUR OSCILOGRAFBUZEN

buis- nr.	meet- datum	aantal brand- turen	Eis	0 h		1000h		-Vg1 15 μA IL	-Vg1 bij 15 μA IL	Kat. opp.	Ik bij 10 μA Inav.	IL bij 20 V, 15 μA Mod. Vg1 nav.	Mod. Vg1 bij 20 V, 15 μA nav.	Ker- eff.	Gas- kruis	Scherm kwal.	Hel- der heid	Heid. Δ	Scherm opl.	Lek- stroom	Gas	Isolaties				Opmer- kingen.
				net.	net.	net.	net.															+K/-F	-K/+F	I	II	
Type : 914-1236P. Instellingen brandraam, nr. 17																										
Proefnr. : 50793																										
Aantal : 2 V <sub>F</sub> V <sub>kat</sub> on : 1500 V																										
Datum : 75-10-09 1 529174 6 5,3 V V <sub>G4</sub> : - V																										
Inzender: N.A.L.A.B. 2 529183 14 5,3 V V <sub>DR</sub> : 10 KV																										
Poeder: T172 3 IL : 15 μA																										
Pompvoorschr.: 4 V Raster : 60 x 80 mm																										
Brandvoorschr.: 5 V V+K/-F : 150 V																										
Fabr. datum : WK 6 V V-K/+F : V																										
G <sub>max</sub> met gepulst																										
1	75-10-09	0																								
	75-10-16	160																								
	75-10-30	500																								
	75-11-20	1000																								
	76-01-02	2000																								
2		0																								
	160	160																								
	500	500																								
	1000	1000																								
3		0																								
	160	160																								
	500	500																								
	1000	1000																								
4		0																								
	160	160																								
	500	500																								
	1000	1000																								
5		0																								
	160	160																								
	500	500																								
	1000	1000																								
6		0																								
	160	160																								
	500	500																								
	1000	1000																								

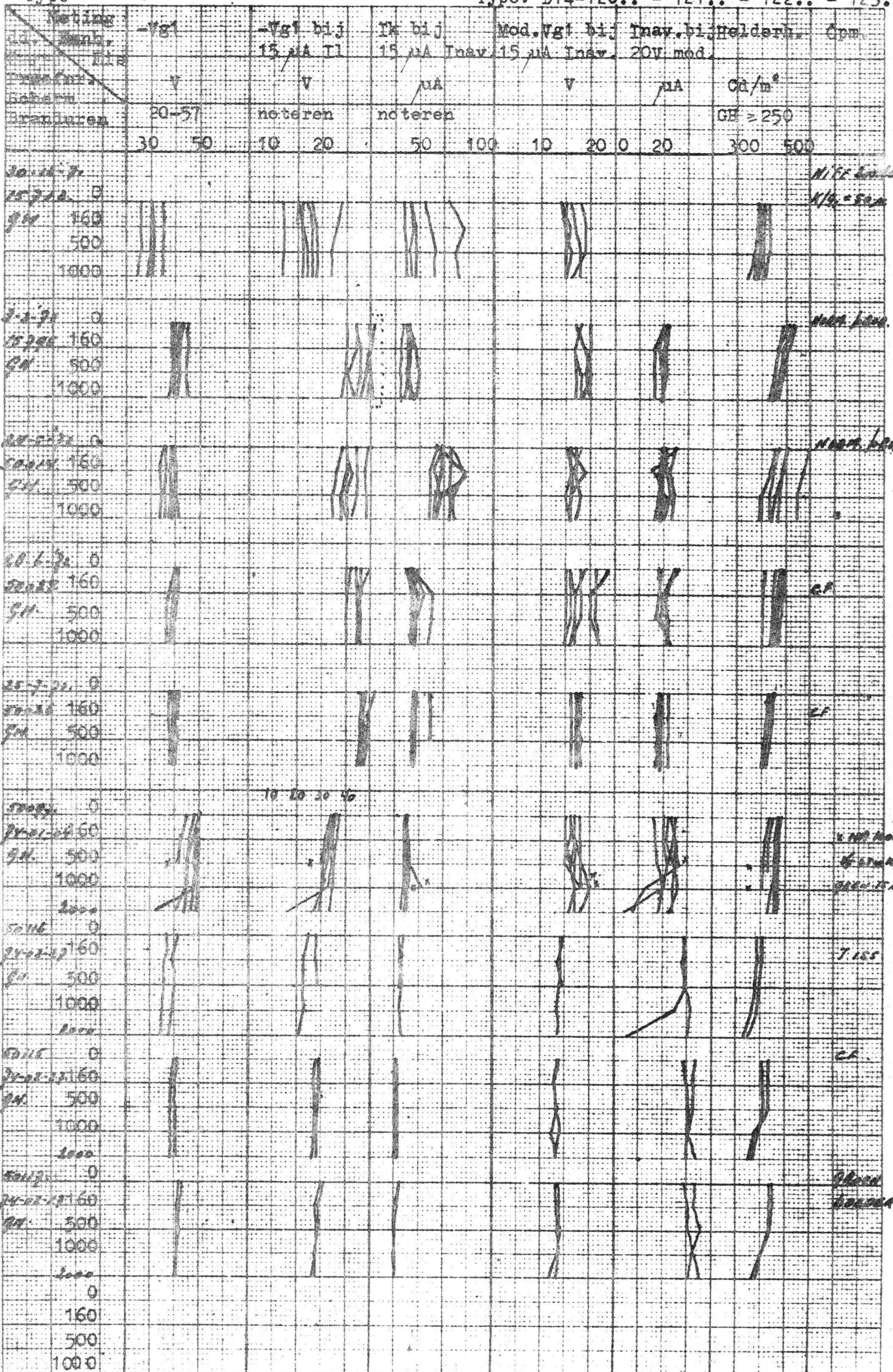
GEWENSTE LEVENSDUUR: 1000 uhr.  
Afwijking t.o.v. normale productie:

BRIVE BATCH 3.



Type

Type: D14-120.. - 121.. - 122.. - 123..



Meting do. Eenheid	-Vg1	Vg1 bij 15/μA II	Ik bij 15/μA Inav.	Mod.Vg1 bij 15 /μA Inav.	Inav. bij 20 V Mod.	Helderheid	Don.
Schers Eis	V	V	/μA	V	/μA	cd/m <sup>2</sup>	
Branduren	20-57	noteren	noteren	≤16	noteren	GHZ 250	
	30 50 70	0 10 30 50	0 5 100	0 10 20	0 20 40	300 500	
50118 74-02-17. 160 500 1000 2000							500000 100000 SP1
50119 74-02-17. 160 500 1000 2000							HP6 2k: SP-171
50147 74-10-10 160 GH 500 1000 2000							14-125 o. 6 watt. 9x 1/2 SP4H.
50127 74-05-03. 160 GH 500 1000 2000							F26
50128 75-05-02 160 GH 500 1000 2000							T12 1x 9 watt 2x 9 watt 1000000
50134 74-08-20 160 GH 500 1000 2000							1x 9 watt 1x 9 watt
50135 74-08-20 160 GH 500 1000 2000							FL116-20/27
50136 75-06-20 160 GH 500 1000 2000							FL116-20/26
50156 75-01-07. 160 GH 500 1000 2000							GH-01.
50157 75-01-07. 160 GH 500 1000 2000							T12-32



Melino d.o. Eenheid	-vg1			vg1 bij 15 /uA II		T <sub>2</sub> bij 15 /uA Invo.		Netoval bij 15 /uA Invo.		I nav. bij 2J v Medo /uA		Helderheid cd/m <sup>2</sup>		Ops.			
	V.	20-37		neteren		neteren		≤ 16		neteren		GH ≥ 250					
Schers fis	30	50	70	0	20	40	0	50	100	0	10	20	0	20	40	300	500
50175 95-04-07 SH	0																DIV-125SH
	160																
	500																
	1000																
	2000																
50176 95-04-09 SH	0																DIV-125SH
	160																N400.
	500																RANGE
	1000																POLAR.
	2000																
50181 95-06-24 SH	0																DIV-125SH
	160																GH/83.
	500																
	1000																
	2000																
50182 95-06-24 SH	0																DIV-125SH
	160																WORM PROO.
	500																
	1000																
	2000																
50191 95-09-25 SH	0																DIV-121 SH
	160							320				35					BATCH 2
	500							160				101					BRIVE.
	1000																
	2000																
50193 95-10-09 SH	0																DIV-123 SH
	160																BATCH 2
	500																BRIVE.
	1000																
	2000																
	0																
	160																
	500																
	1000																
	2000																
	0																
	160																
	500																
	1000																
	2000																
	0																
	160																
	500																
	1000																
	2000																



