

Test for the visual linearized output of Pictures D1W-030-0 to D7W-030-0

Output test with the computer display () or the external display () please mark by (x)!

Test of the (flower) image according to picture D1W-030-0

Are clear (immediately conspicuous) differences recognized between reproduction and test chart? **Yes/No**
Subjective remarks about the colour reproduction of the (flower) image, the CIE-test colours and the 16 grey steps within the image, for example "less contrast":
.....
.....
.....

Test of the resolution of radial gratings $W-R_d$, $W-G_d$, $W-B_d$ according to picture D2W-030-0

	$W-R_d$	$W-G_d$	$W-B_d$	$W-N$	$W-Z$
Is the resolution diameter < 6 mm?	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Test with magnifying glass (6x), Resolution diameter:	 mm	 mm	 mm	 mm	 mm

Test of the 14 CIE-test colours according to picture D3W-030-0

Are clear (immediately conspicuous) differences recognized between reproduction and test chart? **Yes/No**
If Yes: How many colours have clear differences? of the given 14 steps: **..... Steps**

Test of 16 visual equidistant L^* -grey steps according to picture D3W-030-0

Are the 16 steps on the upper rows distinguishable? **Yes/No**
If No: How many steps can be distinguished? of the given 16 steps: **..... Steps**

Part 1

OE580-3N-030-1

Documentation of file format, hardware and software for this test:

PDF-File: http://130.149.60.45/farbmetrik/OE58/OE58L2NP.PDF **underline Yes/No**

PS-File: http://130.149.60.45/farbmetrik/OE58/OE58L2NA.PS **or underline Yes/No**

Used computer operating system:

either one of Windows/Mac/Unix/other and version:.....

This evaluation is for the device output: **underline monitor/data projector/printer**

Device model, driver and version:.....

Device output with PDF/PS-file: **underline PDF/PS-file**

For device output with PDF-file OE58L2NP.PDF:

either PDF-file transfer "download, copy" to PDF device.....
or with computer system interpretation by "Display-PDF":.....
or with software. e. g. Adobe-Reader-/Acrobat and version:.....
or with software e. g. Ghostscript and version:.....

For device output with PS-file OE58L2NA.PS:

either PS-file transfer "download, copy" to PS device.....
or with computer system interpretation by "Display-PS":.....
or with software e. g. Ghostscript and version:.....
or with software e. g. Mac-Yap and version:.....

Special remarks: Special remarks, e. g. output of Landscape (L)
.....
.....
.....

Part 3

OE580-7N-030-1

OE58: Form A for test chart 4 according to ISO 15775; DH
Image, radial gratings, 16 step colour scales, Landolt-rings

Test of 16 visually equally spaced steps of the colour rows $W-R_d$, $W-G_d$, $W-B_d$ and $W-N$ according to picture D4W-030-0

	$W-R_d$	$W-G_d$	$W-B_d$	$W-N$
White - Orangered:	Are all the 16 steps distinguishable?	Yes/No	Are all the 16 steps distinguishable?	Yes/No
If No: How many steps can be distinguished?	of the given 16 steps	 Steps	If No: How many steps can be distinguished?	of the given 16 steps
White - Leafgreen:	Are all the 16 steps distinguishable?	Yes/No	Are all the 16 steps distinguishable?	Yes/No
If No: How many steps can be distinguished?	of the given 16 steps	 Steps	White - Violetblue:	Are all the 16 steps distinguishable?
Are all the 16 steps distinguishable?	Yes/No	Are all the 16 steps distinguishable?	Yes/No	If No: How many steps can be distinguished?
If No: How many steps can be distinguished?	of the given 16 steps	 Steps	White - Black:	Are all the 16 steps distinguishable?
Are all the 16 steps distinguishable?	Yes/No	Are all the 16 steps distinguishable?	Yes/No	If No: How many steps can be distinguished?
If No: How many steps can be distinguished?	of the given 16 steps	 Steps		

Test of characters and Landolt-rings in four sizes according to picture D5W-030-0

Is the recognition frequency > 50% for letters (17 from 32 at least) and for Landolt-rings (minimum 5 of 8)?

Relative size	Letters	Ring N	Ring R_d	Ring G_d	Ring B_d
10	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
8	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
6	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
4	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No

Test of recognition frequency of Landolt-rings $W-R_d$, $W-G_d$, $W-B_d$ and $W-N$ according to pictures D6W-030-0, and D7W-030-0

Is the recognition frequency of the Landolt-rings > 50% (min. 5 of 8 at least)?

Colour row $W-R_d$ background - ring	Colour row $W-G_d$ background - ring	Colour row $W-B_d$ background - ring	Colour row $W-N$ background - ring
0 - 1	Yes/No	0 - 1	Yes/No
7 - 8	Yes/No	7 - 8	Yes/No
E - F	Yes/No	E - F	Yes/No
2 - 0	Yes/No	2 - 0	Yes/No
8 - 6	Yes/No	8 - 6	Yes/No
F - D	Yes/No	F - D	Yes/No

Part 2

OE581-3N-030-1

Documentation of assessor colour vision properties for visual assessment

The assessor has **normal** colour vision according to one test:
either according to DIN 6160:1996 with Anomaloskop of Nagel
or with test charts using colour points according to Ishihara
or tested with, please specify:

underline Yes/No
underline Yes/unknown
underline Yes/unknown
underline Yes/unknown

For visual evaluation of the display (monitor, data projector) output

Office workplace illumination is daylight (clouded/north sky)

underline Yes/No

PDF file: http://130.149.60.45/farbmetrik/OE58/OE58F1P2.PDF

underline Yes/No

PS file: http://130.149.60.45/farbmetrik/OE58/OE58F1P2.PS

underline Yes/No

Picture A7-030-2: contrast range: (>F:0) (F:0) (E:0) (D:0) (C:0) (A:0) (9:0) (7:0) (5:0) (3:0) (<3:0)

compare standard print output according to ISO/IEC 15775 with range F:0

underline range

Remark: In daylighted offices the contrast range is in many cases:

on display between: >F:0 and E:0 (monitor), D:0 and 3:0 (data projector)

Only for optional colorimetric specification with PDF/PS file output

PDF-File: http://130.149.60.45/farbmetrik/OE58/OE58F1P2.PDF

underline Yes/No

picture A7-030-2

PS-File: http://130.149.60.45/farbmetrik/OE58/OE58F1P2.PS

or underline Yes/No

picture A7-030-2

colour measurement and specification for:

CIE standard illuminant D65, 2 degree observer, CIE 45/0 geometry:

underline Yes/No

If No, please give other parameters:

Colorimetric specification with PS file for colours in the columns A to T

Exchange of CIELAB data in file www.ps.bam.de/De17/10L/L17e00NP.PS and transfer

of the PS-file L17e00NP.PS in PDF-file L17e00NP.PDF

underline Yes/No

If No, please describe other method:

Part 4

OE581-7N-030-1

input: rgb ($\rightarrow rgb^*_d$) $setrgbcolor$
output 030-1: no change