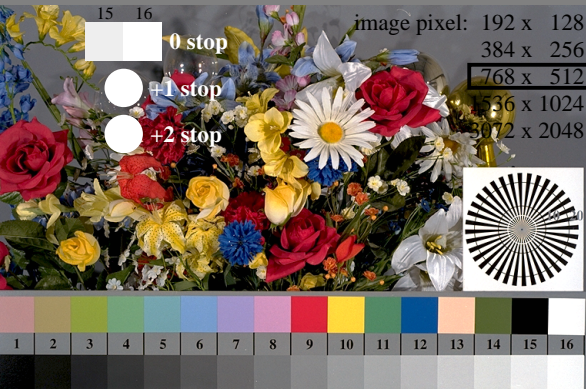
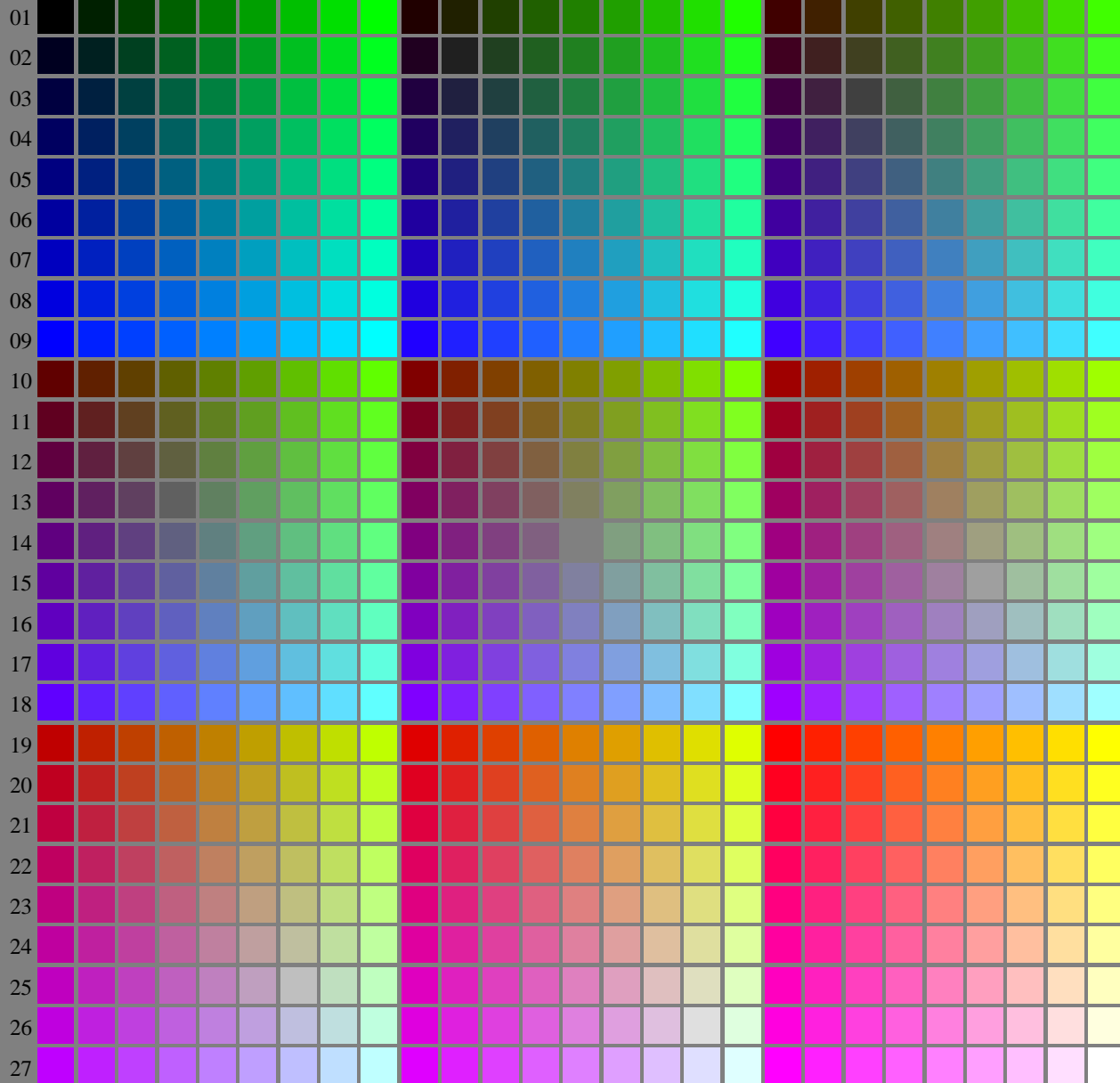


<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt/.ps>; only vector graphic VG; start output see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n



fek70-7N, Picture B1-130-0: Flower motif, 14 CIE-test colours and 2+16 grey steps (nd); PS operators settransfer, 3 colorimage

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/fek7.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt/.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb^*(A_n)$ , colorm = 1, xchart = 0, pchart = 0

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
-> $rgb^*_d, 130-0$ :

<http://farbe.li.tu-berlin.de/fek7/fek710a.txt> / .ps; only vector graphic VG; start output

see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek710a.htm>

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710a.txt / .ps  
application for evaluation and measurement of display or print output

Table with 28 columns (A-Z) and 28 rows (01-27). Each cell contains a 28x28 grid of numerical values representing color calibration data for a specific color and row.

fek70-70, Page 2/6, Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb\*(A\_j + k26\_n27), 000n\*(k), w\*(l), nnn0\*(m), www\*(n), colormap = 1, xchart = 0, pchart = 1

TUB-test chart fek7: fek7: Test chart ut d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1.0$

->rgb\*d, 130:1

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
 technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
 or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
 application for evaluation and measurement of display or print output  
 TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ |
|----|---------|-------|---------|---------------|--------------|
| 1  | 0.0     | 0.0   | 0.0     | 0.0           | 0.01         |
| 2  | 6.36    | 0.0   | 0.07    | 6.36          | 0.01         |
| 3  | 12.72   | 0.0   | 0.13    | 12.72         | 0.01         |
| 4  | 19.08   | 0.0   | 0.2     | 19.08         | 0.01         |
| 5  | 25.44   | 0.0   | 0.27    | 25.44         | 0.01         |
| 6  | 31.8    | 0.0   | 0.33    | 31.8          | 0.01         |
| 7  | 38.16   | 0.0   | 0.4     | 38.16         | 0.01         |
| 8  | 44.52   | 0.0   | 0.47    | 44.52         | 0.01         |
| 9  | 50.89   | 0.0   | 0.53    | 50.89         | 0.01         |
| 10 | 57.25   | 0.0   | 0.6     | 57.25         | 0.01         |
| 11 | 63.61   | 0.0   | 0.67    | 63.61         | 0.01         |
| 12 | 69.97   | 0.0   | 0.73    | 69.97         | 0.01         |
| 13 | 76.33   | 0.0   | 0.8     | 76.33         | 0.01         |
| 14 | 82.69   | 0.0   | 0.87    | 82.69         | 0.01         |
| 15 | 89.05   | 0.0   | 0.93    | 89.05         | 0.01         |
| 16 | 95.41   | 0.0   | 1.0     | 95.41         | 0.01         |
| 17 | 0.0     | 0.0   | 0.0     | 0.0           | 0.01         |
| 18 | 23.85   | 0.0   | 0.25    | 23.85         | 0.01         |
| 19 | 47.71   | 0.0   | 0.5     | 47.71         | 0.01         |
| 20 | 71.56   | 0.0   | 0.75    | 71.56         | 0.01         |
| 21 | 95.41   | 0.0   | 1.0     | 95.41         | 0.01         |

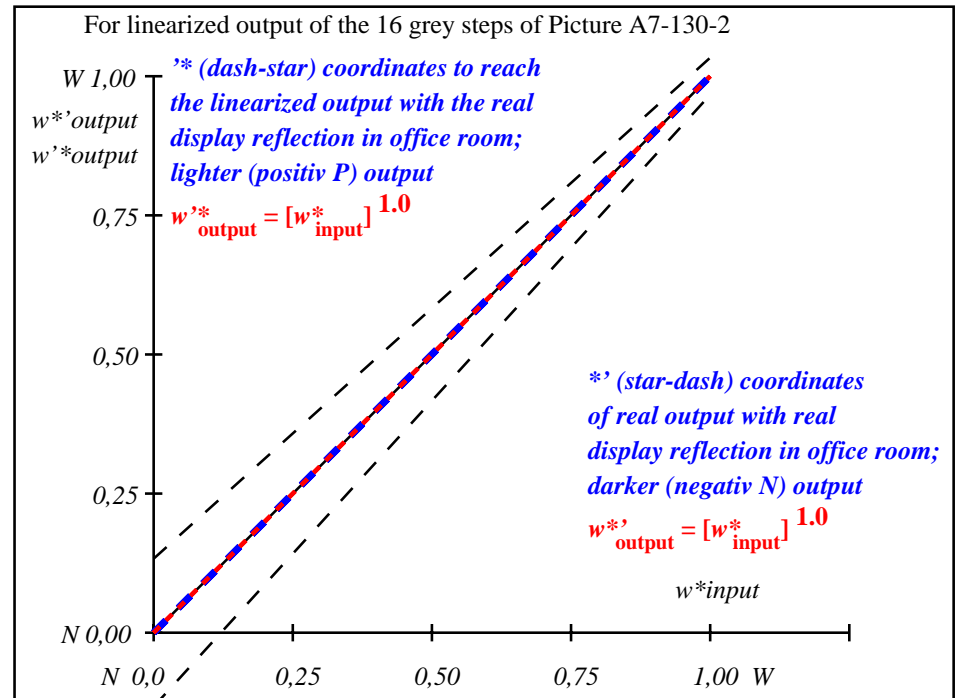
**Start output S1**  
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

Mean lightness difference (16 steps)  
 $\Delta E^*_{CIELAB} = 0.0$

Mean lightness difference (5 steps)  
 $\Delta L^*_{CIELAB} = 0.0$

Mean colour reproduction index:  $R^*_{ab,m} = 100$

fek70-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-130-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y^*_{intended}$<br>(absolute) | 0.0/0.0 | 6.4/0.7 | 12.7/1.5 | 19.1/2.8 | 25.4/4.6 | 31.8/7.0 | 38.2/10.2 | 44.5/14.2 | 50.9/19.2 | 57.2/25.2 | 63.6/32.3 | 70.0/40.7 | 76.3/50.4 | 82.7/61.6 | 89.0/74.3 | 95.4/88.6 |
|------------------------------------|---------|---------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^*_{setrgb}$                     | 00;F    | 01;E    | 02;D     | 03;C     | 04;B     | 05;A     | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*_{CIELAB,r}$                   | 0.000   | 0.067   | 0.133    | 0.200    | 0.267    | 0.333    | 0.400     | 0.467     | 0.533     | 0.600     | 0.667     | 0.733     | 0.800     | 0.867     | 0.933     | 1.000     |

fek70-7N-130-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^*_{setrgbcolor}$

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
 Viewing Y contrast  $Y_W:Y_N=88,9:0,31$ ;  $Y_N$  range 0,0 to <0,46, L-HDR;  $\gamma_R=1,0$  ->rgb\*d, 130-2:

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt/.ps>; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n

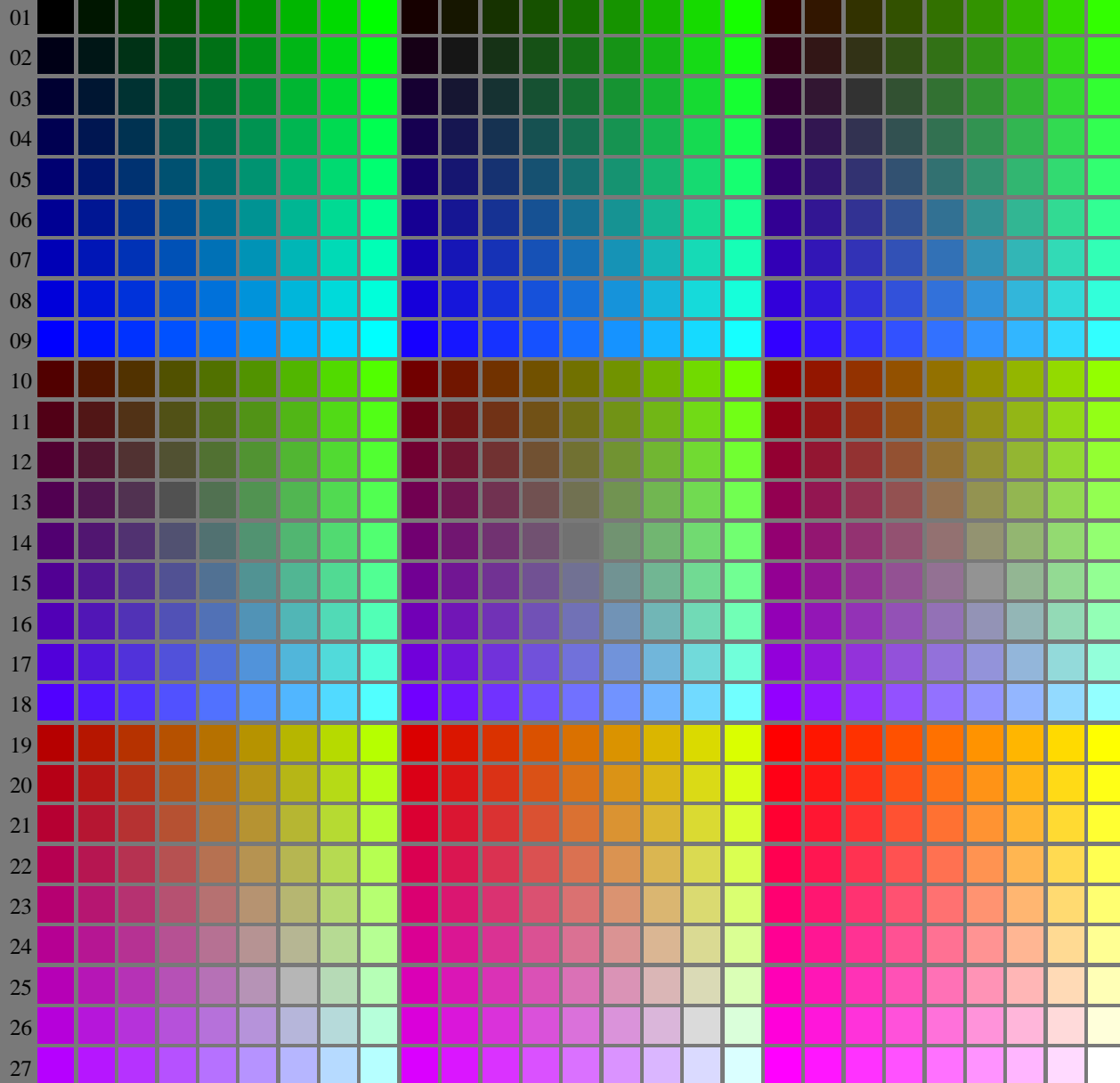


image pixel: 192 x 128  
384 x 256  
768 x 512  
1536 x 1024  
3072 x 2048

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

fek70-7N, Picture B1-130-1: Flower motif, 14 CIE-test colours and 2+16 grey steps (nd); PS operators *settransfer, 3 colorimage*

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/fek7.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt/.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb^*(A_n)$ ,  $colorm = 1$ ,  $xchart = 8$ ,  $pchart = 0$

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
-> $rgb^*_d, 130-0$



see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ | Start output S1 |
|----|---------|-------|---------|---------------|--------------|-----------------|
| 1  | 5.69    | 0.0   | 0.0     | 5.69          | 0.0          | 0.0             |
| 2  | 11.67   | 0.0   | 0.04    | 9.36          | 0.0          | -2.3            |
| 3  | 17.65   | 0.0   | 0.09    | 14.01         | 0.0          | -3.63           |
| 4  | 23.63   | 0.0   | 0.15    | 19.12         | 0.0          | -4.5            |
| 5  | 29.62   | 0.0   | 0.21    | 24.55         | 0.0          | -5.06           |
| 6  | 35.6    | 0.0   | 0.27    | 30.23         | 0.0          | -5.36           |
| 7  | 41.58   | 0.0   | 0.34    | 36.12         | 0.0          | -5.45           |
| 8  | 47.56   | 0.0   | 0.41    | 42.19         | 0.0          | -5.36           |
| 9  | 53.54   | 0.0   | 0.48    | 48.42         | 0.0          | -5.11           |
| 10 | 59.52   | 0.0   | 0.55    | 54.79         | 0.0          | -4.72           |
| 11 | 65.5    | 0.0   | 0.62    | 61.29         | 0.0          | -4.2            |
| 12 | 71.48   | 0.0   | 0.69    | 67.91         | 0.0          | -3.56           |
| 13 | 77.47   | 0.0   | 0.77    | 74.64         | 0.0          | -2.82           |
| 14 | 83.45   | 0.0   | 0.84    | 81.47         | 0.0          | -1.97           |
| 15 | 89.43   | 0.0   | 0.92    | 88.4          | 0.0          | -1.02           |
| 16 | 95.41   | 0.0   | 1.0     | 95.41         | 0.0          | 0.0             |
| 17 | 5.69    | 0.0   | 0.0     | 5.69          | 0.0          | 0.0             |
| 18 | 28.12   | 0.0   | 0.19    | 23.17         | 0.0          | -4.94           |
| 19 | 50.55   | 0.0   | 0.44    | 45.29         | 0.0          | -5.25           |
| 20 | 72.98   | 0.0   | 0.71    | 69.58         | 0.0          | -3.39           |
| 21 | 95.41   | 0.0   | 1.0     | 95.41         | 0.0          | 0.0             |

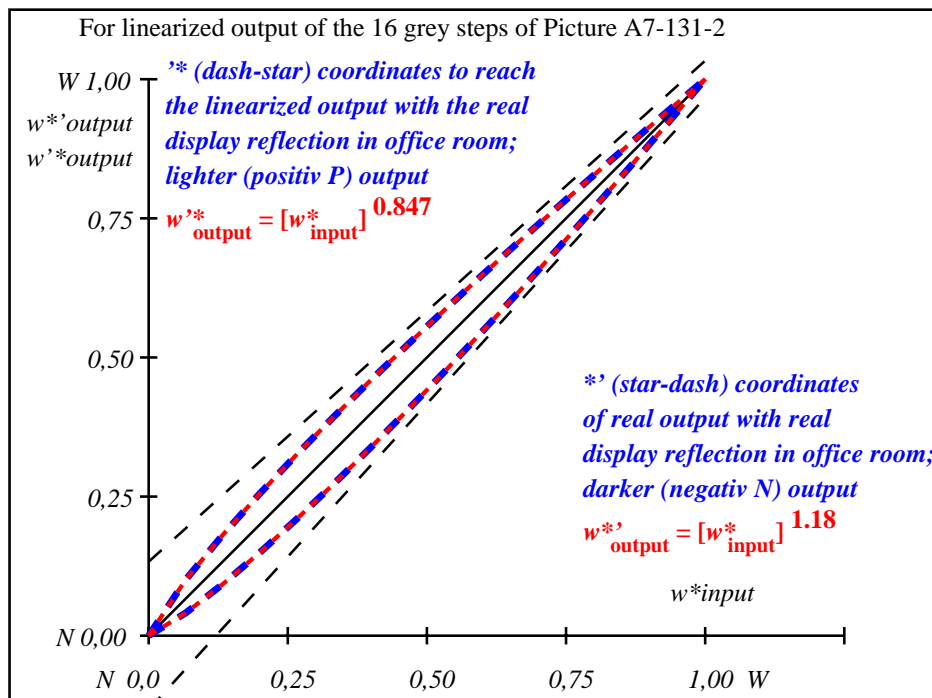
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps)  $\Delta E^*_{CIELAB} = 3.4$

Mean lightness difference (5 steps)  $\Delta L^*_{CIELAB} = 2.7$

Mean colour reproduction index:  $R^*_{ab,m} = 85$

fek70-3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-131-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

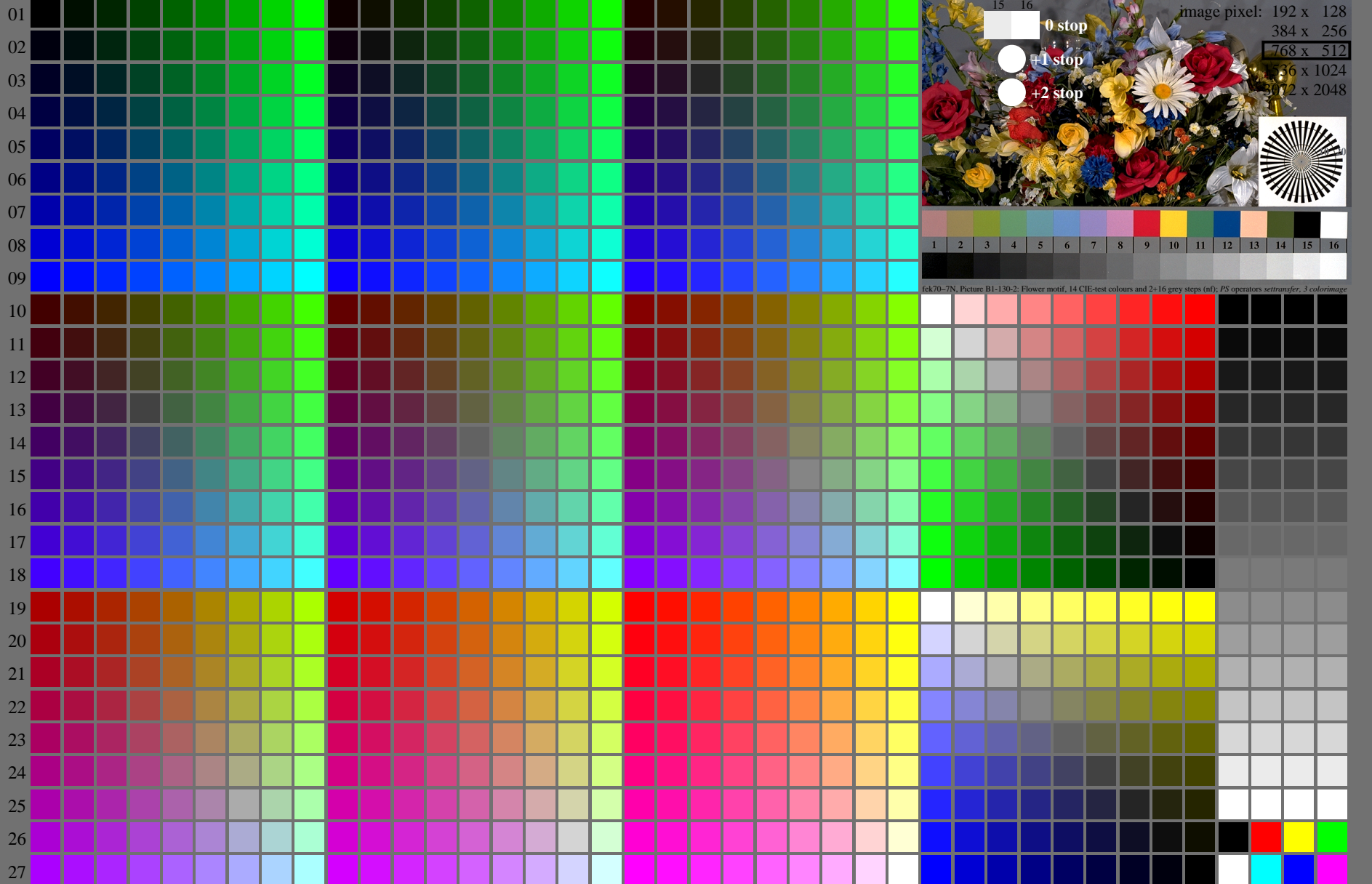
| $L^*/Y^*_{intended}$ (absolute) | 5.7/0.6 | 11.7/1.4 | 17.7/2.4 | 23.6/4.0 | 29.6/6.1 | 35.6/8.8 | 41.6/12.2 | 47.6/16.5 | 53.5/21.5 | 59.5/27.6 | 65.5/34.7 | 71.5/42.9 | 77.5/52.3 | 83.4/63.0 | 89.4/75.1 | 95.4/88.6 |
|---------------------------------|---------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^*_{setrgb}$                  | 00;F    | 01;E     | 02;D     | 03;C     | 04;B     | 05;A     | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*_{relative}$                | 0.000   | 0.067    | 0.133    | 0.200    | 0.267    | 0.333    | 0.400     | 0.467     | 0.533     | 0.600     | 0.667     | 0.733     | 0.800     | 0.867     | 0.933     | 1.000     |

fek70-7N-131-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^*_{setrgbcolor}$

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
Viewing Y contrast  $Y_W:Y_N=88,9:0,62$ ;  $Y_N$  range 0,46 to <0,93, L-HDR;  $\gamma_R=1,0 \rightarrow rgb^*_d, 130-2$

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt/.ps>; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n



fek70-7N, Picture B1-130-2: Flower motif, 14 CIE-test colours and 2+16 grey steps (nd); PS operators *settransfer, 3 colorimage*

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb^*(A_n)$ ,  $colorm = 1$ ,  $xchart = 16$ ,  $pchart = 0$

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
-> $rgb^*_d, 130-0$

see similar files of the whole series: <http://farbe.li.tu-berlin.de/fek7.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/3106/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt/.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

http://farbe.li.tu-berlin.de/fek7/fek710fa.txt /.ps; only vector graphic VG;  
see separate images of this page: http://farbe.li.tu-berlin.de/fek7/fek7.htm

TUB registration: 20240301-fek7/fek710fa.tn.ps  
application for evaluation and measurement of display or print output

TUB material: code=rh4ta

Color calibration chart grid with columns labeled A-Z and a-n, and rows labeled 01-27. Each cell contains a small color patch and numerical data representing colorimetric values.

see similar files of the whole serie: http://farbe.li.tu-berlin.de/feks/...  
technical information: http://farbe.li.tu-berlin.de/A/33872E.html  
or http://standards.iso.org/iso/9241/306/ed-2/index.html

fek70-70, Page 2, Test chart G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb\*(A<sub>j</sub>+k26\_n27), 000n\*(k), w\*(l), nnn0\*(m), www\*(n), colorm = 1, xchart = 16, pchart = 1  
TUB-test chart 7: fek7: Test chart wh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR; γ<sub>R</sub>=1,0  
->rgb\*\_d, 130:1



see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
 technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
 or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
 application for evaluation and measurement of display or print output  
 TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ |
|----|---------|-------|---------|---------------|--------------|
| 1  | 10.99   | 0.0   | 0.0     | 10.99 0.0 0.0 | 0.01         |
| 2  | 16.62   | 0.0   | 0.03    | 13.12 0.0 0.0 | 3.5          |
| 3  | 22.25   | 0.0   | 0.06    | 16.44 0.0 0.0 | 5.81         |
| 4  | 27.88   | 0.0   | 0.11    | 20.45 0.0 0.0 | 7.42         |
| 5  | 33.5    | 0.0   | 0.17    | 24.98 0.0 0.0 | 8.52         |
| 6  | 39.13   | 0.0   | 0.22    | 29.94 0.0 0.0 | 9.19         |
| 7  | 44.76   | 0.0   | 0.29    | 35.27 0.0 0.0 | 9.49         |
| 8  | 50.39   | 0.0   | 0.35    | 40.93 0.0 0.0 | 9.45         |
| 9  | 56.02   | 0.0   | 0.43    | 46.9 0.0 0.0  | 9.12         |
| 10 | 61.64   | 0.0   | 0.5     | 53.13 0.0 0.0 | 8.51         |
| 11 | 67.27   | 0.0   | 0.58    | 59.63 0.0 0.0 | 7.64         |
| 12 | 72.9    | 0.0   | 0.66    | 66.36 0.0 0.0 | 6.54         |
| 13 | 78.53   | 0.0   | 0.74    | 73.31 0.0 0.0 | 5.21         |
| 14 | 84.15   | 0.0   | 0.82    | 80.48 0.0 0.0 | 3.67         |
| 15 | 89.78   | 0.0   | 0.91    | 87.85 0.0 0.0 | 1.93         |
| 16 | 95.41   | 0.0   | 1.0     | 95.41 0.0 0.0 | 0.01         |
| 17 | 10.99   | 0.0   | 0.0     | 10.99 0.0 0.0 | 0.01         |
| 18 | 32.1    | 0.0   | 0.15    | 23.81 0.0 0.0 | 8.29         |
| 19 | 53.2    | 0.0   | 0.39    | 43.88 0.0 0.0 | 9.32         |
| 20 | 74.31   | 0.0   | 0.68    | 68.08 0.0 0.0 | 6.23         |
| 21 | 95.41   | 0.0   | 1.0     | 95.41 0.0 0.0 | 0.01         |

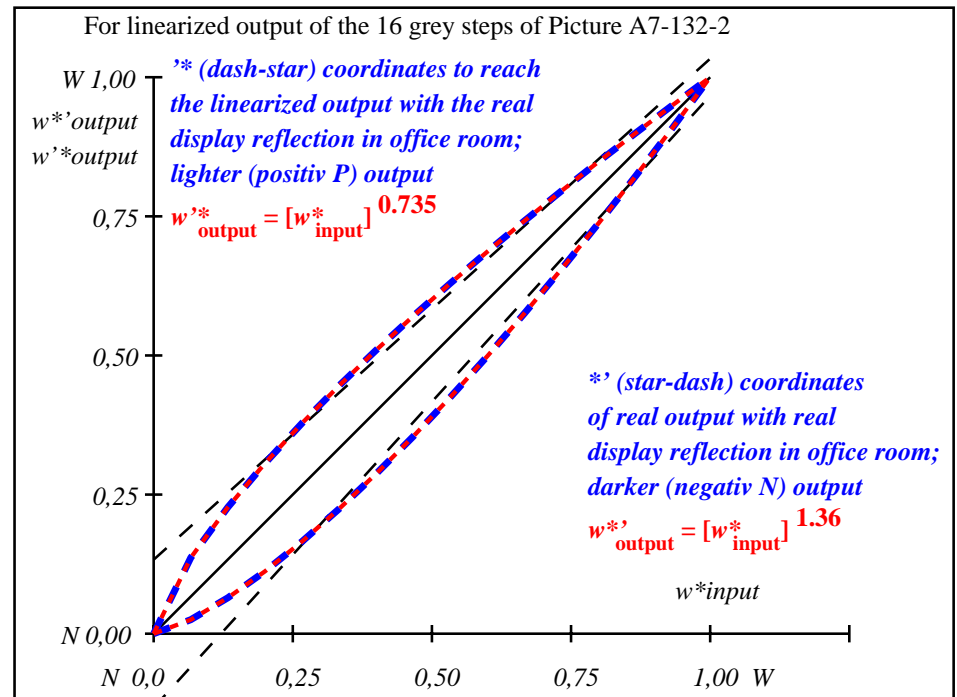
**Start output S1**  
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

Mean lightness difference (16 steps)  
 $\Delta E^*_{CIELAB} = 6.0$

Mean lightness difference (5 steps)  
 $\Delta L^*_{CIELAB} = 4.8$

Mean colour reproduction index:  $R^*_{ab,m} = 74$

fek70-3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-132-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

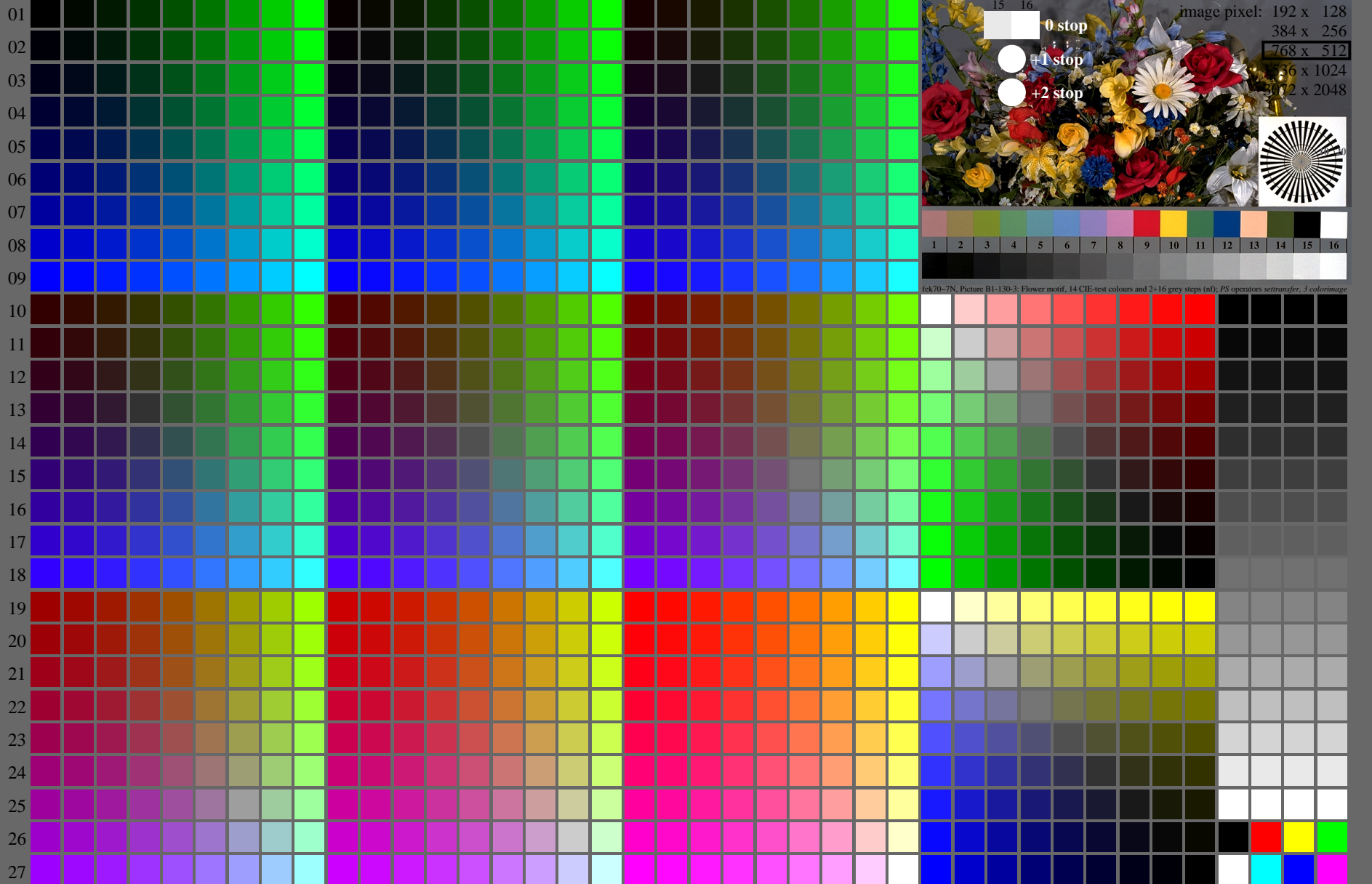
| $L^*/Y^*_{intended}$ (absolute)    | 11.0/1.3 | 16.6/2.2 | 22.2/3.6 | 27.9/5.4 | 33.5/7.8 | 39.1/10.7 | 44.8/14.4 | 50.4/18.7 | 56.0/23.9 | 61.6/30.0 | 67.3/37.0 | 72.9/45.0 | 78.5/54.1 | 84.2/64.4 | 89.8/75.8 | 95.4/88.6 |
|------------------------------------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^* w^* w^*$<br>setrgb            |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |
| $g_N = 1.18$<br>No. and Hex code   | 00;F     | 01;E     | 02;D     | 03;C     | 04;B     | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^* = l^*_{CIELAB, r}$ (relative) |          |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{intended}$                   | 0,000    | 0,067    | 0,133    | 0,200    | 0,267    | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{out}$                        | 0,0      | 0,042    | 0,093    | 0,151    | 0,211    | 0,274     | 0,34      | 0,408     | 0,477     | 0,548     | 0,621     | 0,694     | 0,769     | 0,845     | 0,922     | 1,0       |

fek70-7N-132-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^* w^* w^*$  setrgbcolor

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
 Viewing Y contrast  $Y_W:Y_N=88,9:1,25$ ;  $Y_N$  range 0,93 to <1,87, L-HDR;  $\gamma_R=1,0$  ->rgb\*d, 130-2:

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt/.ps>; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n



fek70-7N, Picture B1-130-3: Flower motif, 14 CIE-test colours and 2+16 grey steps (nd); PS operators settransfer, 3 colorimage

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb^*(A_n)$ ,  $colorm = 1$ ,  $xchart = 24$ ,  $pchart = 0$

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
-> $rgb^*_d, 130-0$

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/fek7.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/53872E.html>  
or <http://standards.iso.org/iso/9241/5M6/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt/.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta



see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ | Start output S1 |
|----|---------|-------|---------|---------------|--------------|-----------------|
| 1  | 18.01   | 0.0   | 0.0     | 18.01         | 0.0          | 0.0             |
| 2  | 23.17   | 0.0   | 0.02    | 19.2          | 0.0          | -3.95           |
| 3  | 28.33   | 0.0   | 0.04    | 21.49         | 0.0          | -6.83           |
| 4  | 33.49   | 0.0   | 0.08    | 24.5          | 0.0          | -8.98           |
| 5  | 38.65   | 0.0   | 0.13    | 28.12         | 0.0          | -10.52          |
| 6  | 43.81   | 0.0   | 0.18    | 32.26         | 0.0          | -11.53          |
| 7  | 48.97   | 0.0   | 0.24    | 36.89         | 0.0          | -12.07          |
| 8  | 54.13   | 0.0   | 0.31    | 41.94         | 0.0          | -12.18          |
| 9  | 59.29   | 0.0   | 0.38    | 47.41         | 0.0          | -11.87          |
| 10 | 64.45   | 0.0   | 0.46    | 53.25         | 0.0          | -11.19          |
| 11 | 69.61   | 0.0   | 0.54    | 59.46         | 0.0          | -10.14          |
| 12 | 74.77   | 0.0   | 0.62    | 66.02         | 0.0          | -8.74           |
| 13 | 79.93   | 0.0   | 0.71    | 72.9          | 0.0          | -7.02           |
| 14 | 85.09   | 0.0   | 0.8     | 80.1          | 0.0          | -4.98           |
| 15 | 90.25   | 0.0   | 0.9     | 87.61         | 0.0          | -2.63           |
| 16 | 95.41   | 0.0   | 1.0     | 95.41         | 0.0          | 0.0             |
| 17 | 18.01   | 0.0   | 0.0     | 18.01         | 0.0          | 0.0             |
| 18 | 37.36   | 0.0   | 0.12    | 27.16         | 0.0          | -10.19          |
| 19 | 56.71   | 0.0   | 0.34    | 44.63         | 0.0          | -12.07          |
| 20 | 76.06   | 0.0   | 0.64    | 67.71         | 0.0          | -8.34           |
| 21 | 95.41   | 0.0   | 1.0     | 95.41         | 0.0          | 0.0             |

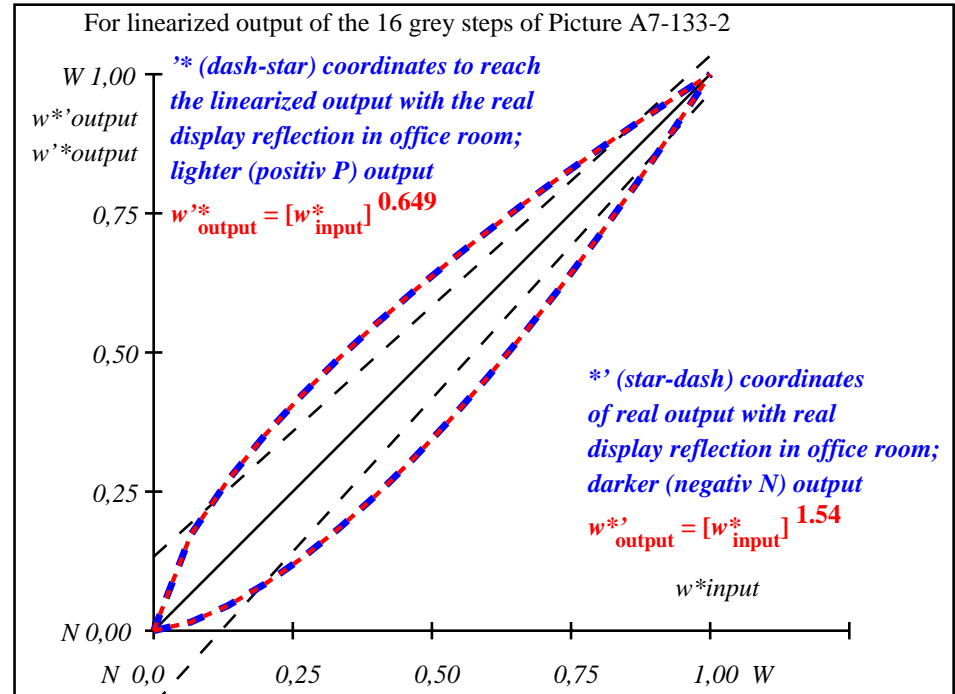
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps)  $\Delta E^*_{CIELAB} = 7.7$

Mean lightness difference (5 steps)  $\Delta L^*_{CIELAB} = 6.1$

Mean colour reproduction index:  $R^*_{ab,m} = 66$

fek70-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-133-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y_{intended}$ (absolute)   | 18.0/2.5 | 23.2/3.8 | 28.3/5.6 | 33.5/7.8 | 38.6/10.5 | 43.8/13.7 | 49.0/17.6 | 54.1/22.1 | 59.3/27.3 | 64.4/33.4 | 69.6/40.2 | 74.8/47.9 | 79.9/56.6 | 85.1/66.2 | 90.2/76.8 | 95.4/88.6 |
|---------------------------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^* w^* w^*$ setrgb            |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |
| $g_N=1.29$                      |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code                | 00;F     | 01;E     | 02;D     | 03;C     | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=l^*_{CIELAB,r}$ (relative) |          |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{intended}$                | 0,000    | 0,067    | 0,133    | 0,200    | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{out}$                     | 0,0      | 0,031    | 0,074    | 0,125    | 0,182     | 0,242     | 0,307     | 0,374     | 0,444     | 0,517     | 0,593     | 0,67      | 0,75      | 0,832     | 0,914     | 1,0       |

fek70-7N-133-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^* w^* w^*$  setrgbcolor

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt/.ps>; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n

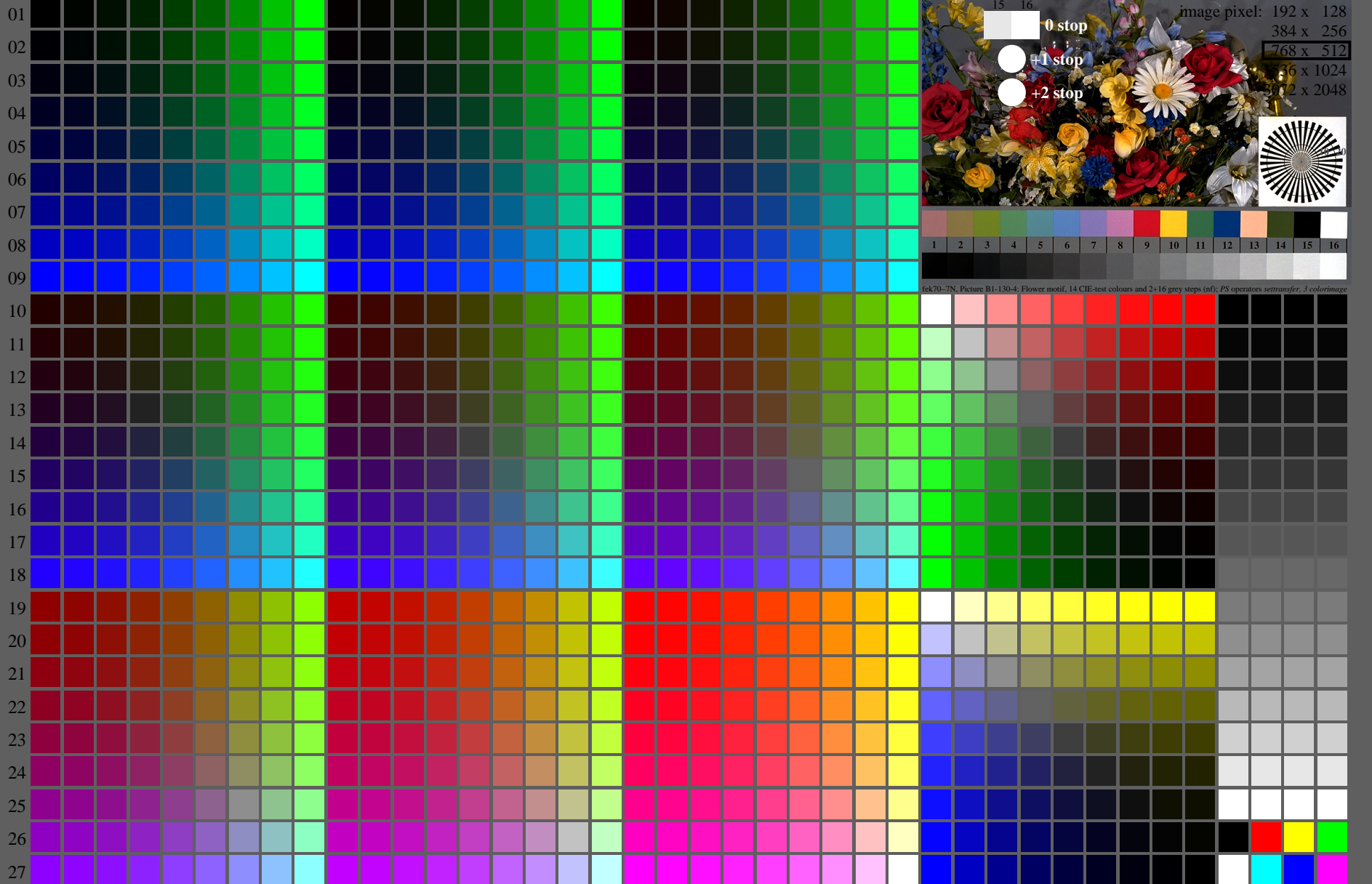


image pixel: 192 x 128  
384 x 256  
768 x 512  
1536 x 1024  
3072 x 2048

0 stop  
+1 stop  
+2 stop

fek70-7N, Picture B1-130-4: Flower motif, 14 CIE-test colours and 2+16 grey steps (nd); PS operators settransfer, 3 colorimage

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/fek7.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/5M6/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt/.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb^* (A_n)$ , colorm = 1, xchart = 32, pchart = 0

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
-> $rgb^*_d, 130-0$



see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ | Start output S1 |
|----|---------|-------|---------|---------------|--------------|-----------------|
| 1  | 26.85   | 0.0   | 0.0     | 26.85         | 0.0          | 0.0             |
| 2  | 31.42   | 0.0   | 0.0     | 01            | 27.5         | 0.0             |
| 3  | 35.99   | 0.0   | 0.0     | 03            | 28.99        | 0.0             |
| 4  | 40.56   | 0.0   | 0.0     | 06            | 31.15        | 0.0             |
| 5  | 45.13   | 0.0   | 0.0     | 01            | 33.91        | 0.0             |
| 6  | 49.7    | 0.0   | 0.0     | 15            | 37.21        | 0.0             |
| 7  | 54.27   | 0.0   | 0.0     | 21            | 41.03        | 0.0             |
| 8  | 58.84   | 0.0   | 0.0     | 27            | 45.33        | 0.0             |
| 9  | 63.41   | 0.0   | 0.0     | 34            | 50.1         | 0.0             |
| 10 | 67.99   | 0.0   | 0.0     | 42            | 55.33        | 0.0             |
| 11 | 72.56   | 0.0   | 0.0     | 5             | 60.98        | 0.0             |
| 12 | 77.13   | 0.0   | 0.0     | 59            | 67.06        | 0.0             |
| 13 | 81.7    | 0.0   | 0.0     | 68            | 73.56        | 0.0             |
| 14 | 86.27   | 0.0   | 0.0     | 78            | 80.45        | 0.0             |
| 15 | 90.84   | 0.0   | 0.0     | 89            | 87.74        | 0.0             |
| 16 | 95.41   | 0.0   | 0.0     | 1.0           | 95.41        | 0.0             |
| 17 | 26.85   | 0.0   | 0.0     | 26.85         | 0.0          | 0.0             |
| 18 | 43.99   | 0.0   | 0.0     | 09            | 33.17        | 0.0             |
| 19 | 61.13   | 0.0   | 0.0     | 3             | 47.66        | 0.0             |
| 20 | 78.27   | 0.0   | 0.0     | 61            | 68.65        | 0.0             |
| 21 | 95.41   | 0.0   | 0.0     | 1.0           | 95.41        | 0.0             |

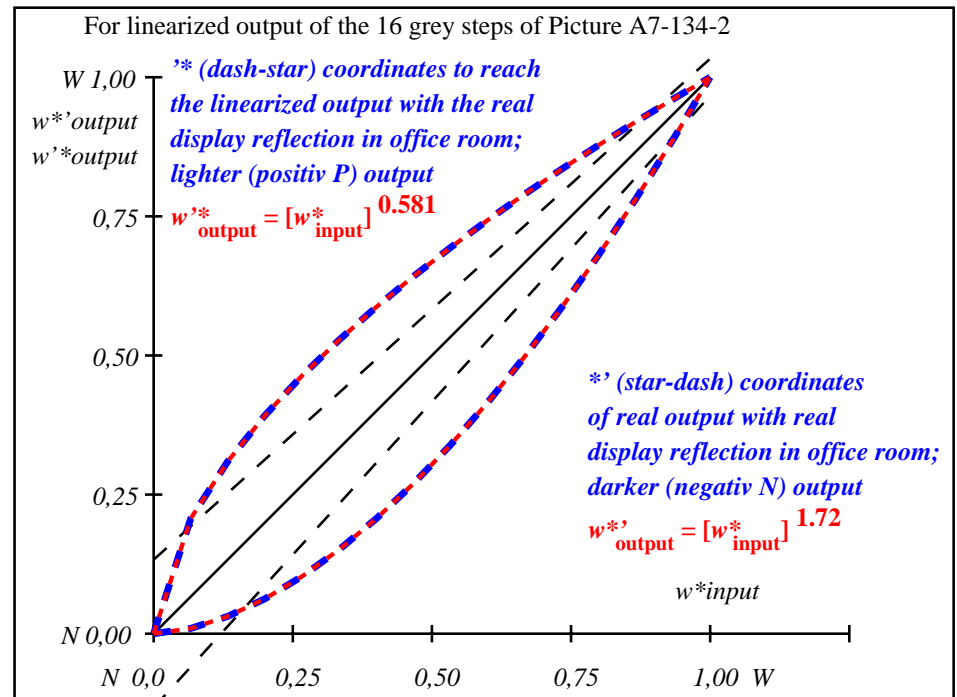
Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G

Mean lightness difference (16 steps)  $\Delta E^*_{CIELAB} = 8.5$

Mean lightness difference (5 steps)  $\Delta L^*_{CIELAB} = 6.8$

Mean colour reproduction index:  $R^*_{ab,m} = 63$

fek70-3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-134-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

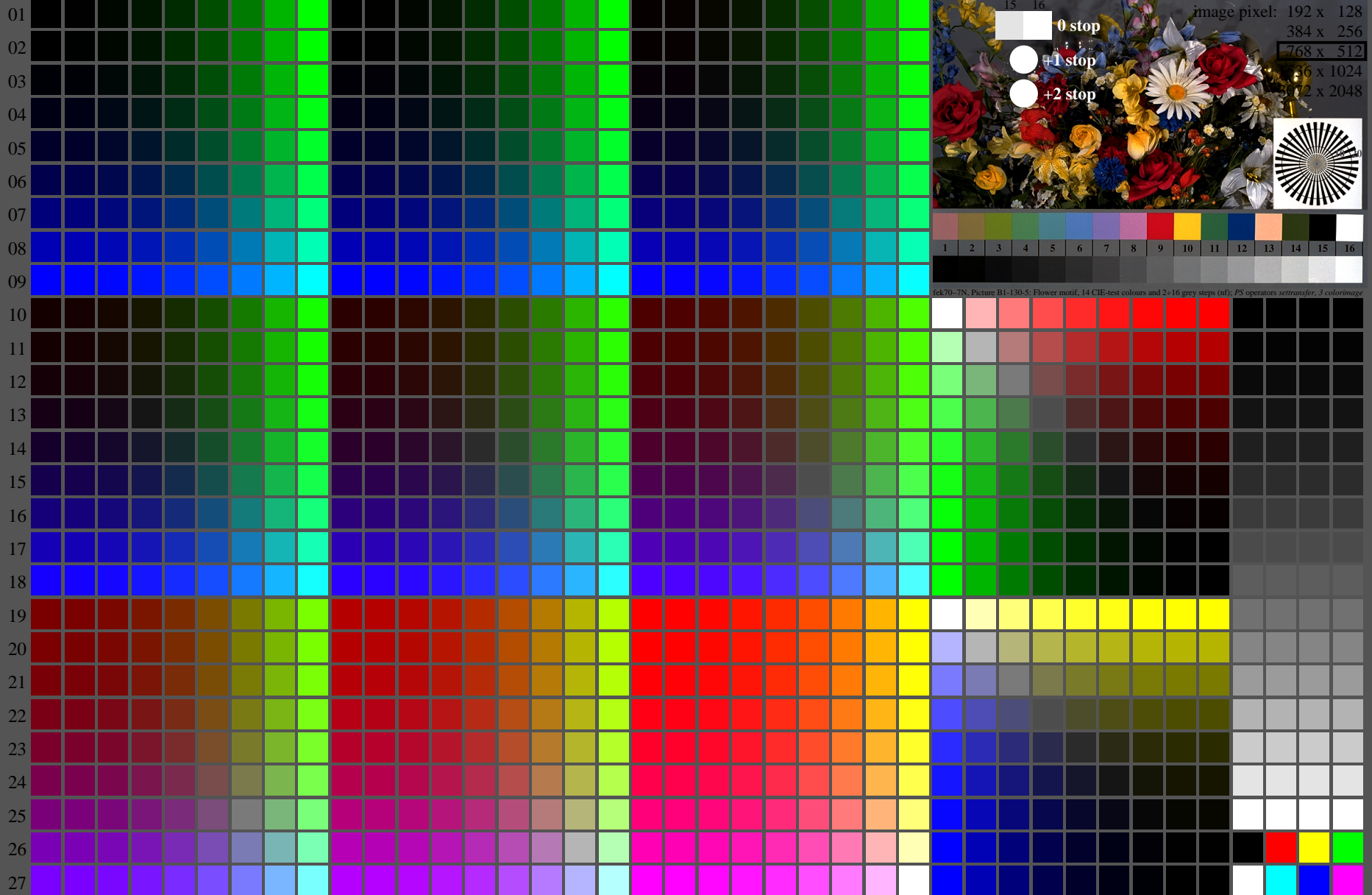
| $L^*/Y^*_{intended}$ (absolute)    | 26.8/5.0 | 31.4/6.8 | 36.0/9.0 | 40.6/11.6 | 45.1/14.6 | 49.7/18.2 | 54.3/22.2 | 58.8/26.9 | 63.4/32.1 | 68.0/38.0 | 72.6/44.5 | 77.1/51.7 | 81.7/59.7 | 86.3/68.5 | 90.8/78.1 | 95.4/88.6 |
|------------------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^* w^* w^*$ setrgb               |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $g_N = 1.43$                       |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code                   | 00;F     | 01;E     | 02;D     | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^* = l^*_{CIELAB, r}$ (relative) |          |          |          |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{intended}$                   | 0,000    | 0,067    | 0,133    | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{out}$                        | 0,0      | 0,021    | 0,056    | 0,1       | 0,152     | 0,208     | 0,27      | 0,337     | 0,407     | 0,482     | 0,561     | 0,642     | 0,727     | 0,816     | 0,906     | 1,0       |

fek70-7N-134-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^* w^* w^*$  setrgbcolor

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
Viewing Y contrast  $Y_W:Y_N=88,9:5$ ;  $Y_N$  range 3,75 to <7,5, L-HDR;  $\gamma_R=1,0$  ->rgb\*d, 130-2:

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt> / .ps; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n



fek70-7N, Picture B1-130-5: Flower motif, 14 CIE-test colours and 2+16 grey steps (nd); PS operators settransfer, 3 colorimage

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/506/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt / .ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb\*(A\_n), colorm = 1, xchart = 40, pchart = 0

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
->rgb\*\_d, 130-0:



http://farbe.li.tu-berlin.de/fek7/fek710fa.txt /ps; only vector graphic VG;  
see separate images of this page: http://farbe.li.tu-berlin.de/fek7/fek7.htm

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.html>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt .ps  
application for evaluation and measurement of display or print output

Table with columns labeled A through Z and a through n, containing numerical data for color calibration. The table is organized into a grid with 26 columns for letters and 14 columns for lowercase letters. Each cell contains a small numerical value representing color data.

fek70-70, Page 17, Test chart G with 40x27=1080 colours; digital equivalent 9 or 16 step colour scales; Colour data in column (A-n): r**g**\* (A<sub>j</sub>+k26\_n27), 000n\* (k), w\* (l), nnn0\* (m), www\* (n), colorm = 1, xchart = 40, pchart = 1

TUB-test chart f7: fek7: Test chart ut d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equivalent 9 or 16 step colour scales, L-HDR;  $\gamma_R=1.0$   
->rgb\*d, 130:1

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ |
|----|---------|-------|---------|---------------|--------------|
| 1  | 37.99   | 0.0   | 0.0     | 37.99 0.0 0.0 | 0.01         |
| 2  | 41.81   | 0.0   | 0.01    | 38.32 0.0 0.0 | 3.49         |
| 3  | 45.64   | 0.0   | 0.02    | 39.23 0.0 0.0 | 6.41         |
| 4  | 49.47   | 0.0   | 0.05    | 40.68 0.0 0.0 | 8.79         |
| 5  | 53.3    | 0.0   | 0.08    | 42.65 0.0 0.0 | 10.65        |
| 6  | 57.13   | 0.0   | 0.12    | 45.11 0.0 0.0 | 12.02        |
| 7  | 60.96   | 0.0   | 0.18    | 48.06 0.0 0.0 | 12.9         |
| 8  | 64.78   | 0.0   | 0.24    | 51.48 0.0 0.0 | 13.3         |
| 9  | 68.61   | 0.0   | 0.3     | 55.38 0.0 0.0 | 13.22        |
| 10 | 72.44   | 0.0   | 0.38    | 59.74 0.0 0.0 | 12.7         |
| 11 | 76.27   | 0.0   | 0.46    | 64.56 0.0 0.0 | 11.7         |
| 12 | 80.1    | 0.0   | 0.55    | 69.84 0.0 0.0 | 10.26        |
| 13 | 83.93   | 0.0   | 0.65    | 75.57 0.0 0.0 | 8.36         |
| 14 | 87.75   | 0.0   | 0.76    | 81.74 0.0 0.0 | 6.01         |
| 15 | 91.58   | 0.0   | 0.88    | 88.35 0.0 0.0 | 3.23         |
| 16 | 95.41   | 0.0   | 1.0     | 95.41 0.0 0.0 | 0.01         |
| 17 | 37.99   | 0.0   | 0.0     | 37.99 0.0 0.0 | 0.01         |
| 18 | 52.34   | 0.0   | 0.07    | 42.11 0.0 0.0 | 10.23        |
| 19 | 66.7    | 0.0   | 0.27    | 53.37 0.0 0.0 | 13.33        |
| 20 | 81.05   | 0.0   | 0.58    | 71.23 0.0 0.0 | 9.82         |
| 21 | 95.41   | 0.0   | 1.0     | 95.41 0.0 0.0 | 0.01         |

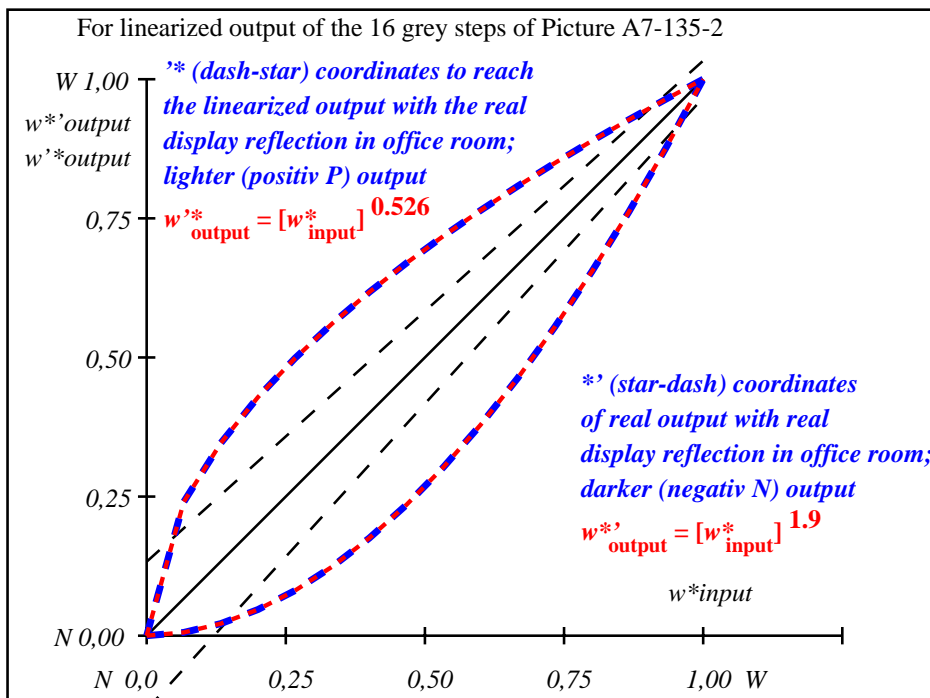
**Start output S1**  
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

Mean lightness difference (16 steps)  
 $\Delta E^*_{CIELAB} = 8.3$

Mean lightness difference (5 steps)  
 $\Delta L^*_{CIELAB} = 6.7$

Mean colour reproduction index:  $R^*_{ab,m} = 64$

fek70-3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-135-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

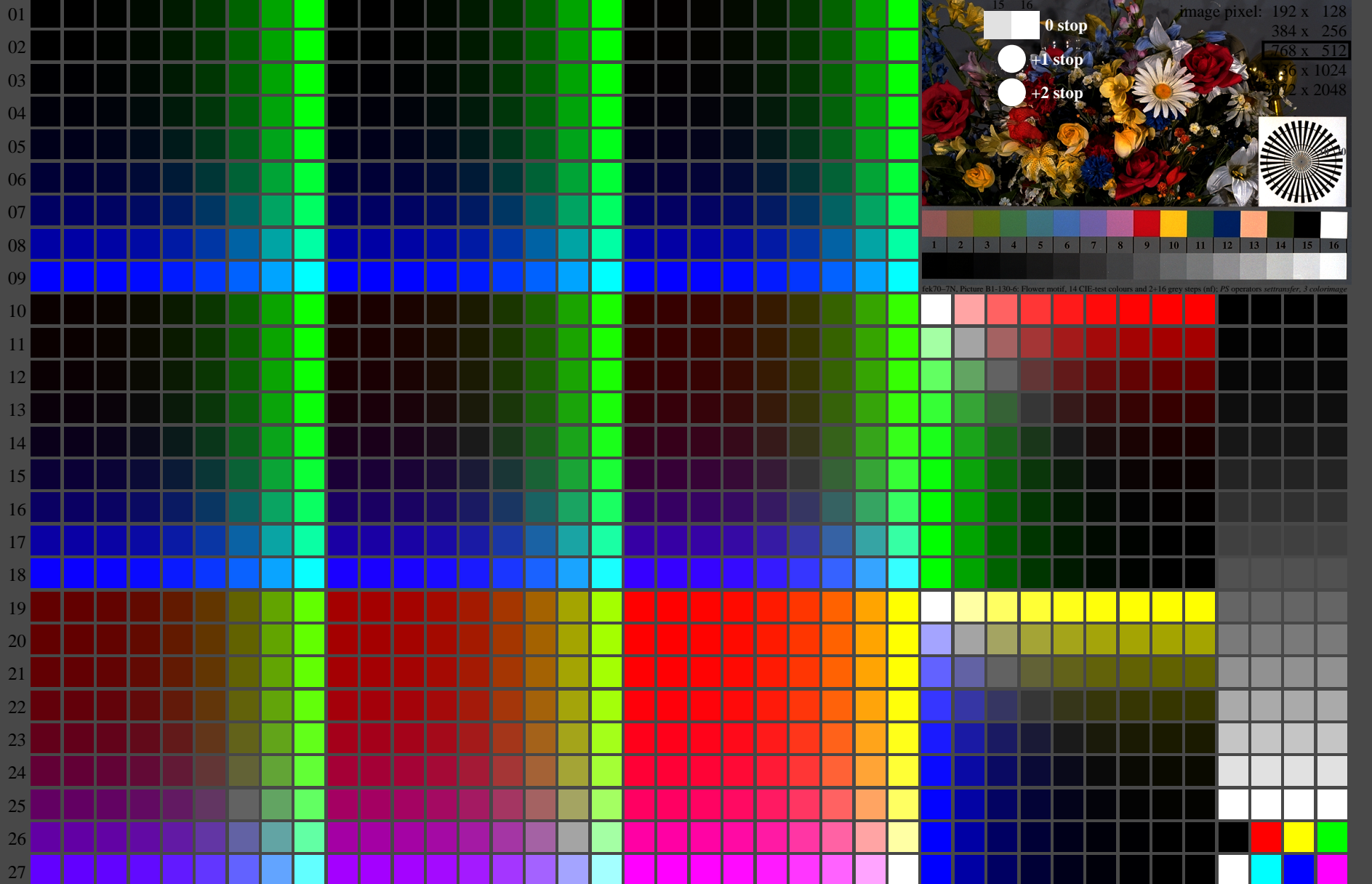
| $L^*/Y^*_{intended}$ (absolute) | 38.0/10.1 | 41.8/12.4 | 45.6/15.0 | 49.5/18.0 | 53.3/21.3 | 57.1/25.1 | 61.0/29.2 | 64.8/33.8 | 68.6/38.8 | 72.4/44.3 | 76.3/50.3 | 80.1/56.9 | 83.9/63.9 | 87.8/71.6 | 91.6/79.8 | 95.4/88.6 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^*_{setrgb}$                  | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*_{CIELAB,r}$ (relative)     | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{intended}$                | 0,0       | 0,013     | 0,04      | 0,076     | 0,121     | 0,172     | 0,231     | 0,296     | 0,365     | 0,442     | 0,523     | 0,608     | 0,7       | 0,796     | 0,895     | 1,0       |
| $w^*_{out}$                     |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

fek70-7N-135-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^*_{setrgbcolor}$

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
Viewing Y contrast  $Y_W:Y_N=88,9:10$ ;  $Y_N$  range 7,5 to <15, L-HDR;  $\gamma_R=1,0$  ->  $rgb^*_d, 130-2$

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt> /.ps; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n



fek70-7N, Picture B1-130-6; Flower motif, 14 CIE-test colours and 2x 16 grey steps (nd); PS operators settransfer, 3 colorimage

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/33872E.htm>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n): rgb\*d, 130-0: (A\_n), colorm = 1, xchart = 48, pchart = 0

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
->rgb\*d, 130-0:

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt> / .ps; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek710m>

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/feks.htm>  
technical information: <http://farbe.li.tu-berlin.de/A/3372E.html>  
or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt .ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V   | L | O | M | C | a | b | c | d | e | f | g | h | i | j | k | l | m | n |
| 0000 A01 0009 B01 0018 C01 0027 D01 0036 E01 0045 F01 0054 G01 0063 H01 0072 I01 0081 J01 0090 K01 0099 L01 0108 M01 0117 N01 0126 O01 0135 P01 0144 Q01 0153 R01 0162 S01 0171 T01 0180 U01 0189 V01 0198 W01 0207 X01 0216 Y01 0225 Z01 0234 a01 0243 b01 0252 c01 0261 d01 0270 e01 0279 f01 0288 g01 0297 h01 0306 i01 0315 j01 0324 k01 0333 l01 0342 m01 0351 n01 0360 o01 0369 p01 0378 q01 0387 r01 0396 s01 0405 t01 0414 u01 0423 v01 0432 w01 0441 x01 0450 y01 0459 z01 0468 101 0477 a10 0486 b10 0495 c10 0504 d10 0513 e10 0522 f10 0531 g10 0540 h10 0549 i10 0558 j10 0567 k10 0576 l10 0585 m10 0594 n10 0603 o10 0612 p10 0621 q10 0630 r10 0639 s10 0648 t10 0657 u10 0666 v10 0675 w10 0684 x10 0693 y10 0702 z10 0711 a11 0720 b11 0729 c11 0738 d11 0747 e11 0756 f11 0765 g11 0774 h11 0783 i11 0792 j11 0801 k11 0810 l11 0819 m11 0828 n11 0837 o11 0846 p11 0855 q11 0864 r11 0873 s11 0882 t11 0891 u11 0900 v11 0909 w11 0918 x11 0927 y11 0936 z11 0945 a12 0954 b12 0963 c12 0972 d12 0981 e12 0990 f12 0999 g12 1008 h12 1017 i12 1026 j12 1035 k12 1044 l12 1053 m12 1062 n12 1071 o12 1080 p12 1089 q12 1098 r12 1107 s12 1116 t12 1125 u12 1134 v12 1143 w12 1152 x12 1161 y12 1170 z12 1179 a13 1188 b13 1197 c13 1206 d13 1215 e13 1224 f13 1233 g13 1242 h13 1251 i13 1260 j13 1269 k13 1278 l13 1287 m13 1296 n13 1305 o13 1314 p13 1323 q13 1332 r13 1341 s13 1350 t13 1359 u13 1368 v13 1377 w13 1386 x13 1395 y13 1404 z13 1413 a14 1422 b14 1431 c14 1440 d14 1449 e14 1458 f14 1467 g14 1476 h14 1485 i14 1494 j14 1503 k14 1512 l14 1521 m14 1530 n14 1539 o14 1548 p14 1557 q14 1566 r14 1575 s14 1584 t14 1593 u14 1602 v14 1611 w14 1620 x14 1629 y14 1638 z14 1647 a15 1656 b15 1665 c15 1674 d15 1683 e15 1692 f15 1701 g15 1710 h15 1719 i15 1728 j15 1737 k15 1746 l15 1755 m15 1764 n15 1773 o15 1782 p15 1791 q15 1800 r15 1809 s15 1818 t15 1827 u15 1836 v15 1845 w15 1854 x15 1863 y15 1872 z15 1881 a16 1890 b16 1899 c16 1908 d16 1917 e16 1926 f16 1935 g16 1944 h16 1953 i16 1962 j16 1971 k16 1980 l16 1989 m16 1998 n16 2007 o16 2016 p16 2025 q16 2034 r16 2043 s16 2052 t16 2061 u16 2070 v16 2079 w16 2088 x16 2097 y16 2106 z16 2115 a17 2124 b17 2133 c17 2142 d17 2151 e17 2160 f17 2169 g17 2178 h17 2187 i17 2196 j17 2205 k17 2214 l17 2223 m17 2232 n17 2241 o17 2250 p17 2259 q17 2268 r17 2277 s17 2286 t17 2295 u17 2304 v17 2313 w17 2322 x17 2331 y17 2340 z17 2349 a18 2358 b18 2367 c18 2376 d18 2385 e18 2394 f18 2403 g18 2412 h18 2421 i18 2430 j18 2439 k18 2448 l18 2457 m18 2466 n18 2475 o18 2484 p18 2493 q18 2502 r18 2511 s18 2520 t18 2529 u18 2538 v18 2547 w18 2556 x18 2565 y18 2574 z18 2583 a19 2592 b19 2601 c19 2610 d19 2619 e19 2628 f19 2637 g19 2646 h19 2655 i19 2664 j19 2673 k19 2682 l19 2691 m19 2700 n19 2709 o19 2718 p19 2727 q19 2736 r19 2745 s19 2754 t19 2763 u19 2772 v19 2781 w19 2790 x19 2800 y19 2809 z19 2818 a20 2827 b20 2836 c20 2845 d20 2854 e20 2863 f20 2872 g20 2881 h20 2890 i20 2900 j20 2909 k20 2918 l20 2928 m20 2937 n20 2946 o20 2955 p20 2964 q20 2973 r20 2982 s20 2991 t20 3000 u20 3009 v20 3018 w20 3027 x20 3036 y20 3045 z20 3054 a21 3063 b21 3072 c21 3081 d21 3090 e21 3100 f21 3109 g21 3118 h21 3127 i21 3136 j21 3145 k21 3154 l21 3163 m21 3172 n21 3181 o21 3190 p21 3200 q21 3209 r21 3218 s21 3227 t21 3236 u21 3245 v21 3254 w21 3263 x21 3272 y21 3281 z21 3290 a22 3300 b22 3309 c22 3318 d22 3327 e22 3336 f22 3345 g22 3354 h22 3363 i22 3372 j22 3381 k22 3390 l22 3400 m22 3409 n22 3418 o22 3427 p22 3436 q22 3445 r22 3454 s22 3463 t22 3472 u22 3481 v22 3490 w22 3500 x22 3509 y22 3518 z22 3527 a23 3536 b23 3545 c23 3554 d23 3563 e23 3572 f23 3581 g23 3590 h23 3600 i23 3609 j23 3618 k23 3627 l23 3636 m23 3645 n23 3654 o23 3663 p23 3672 q23 3681 r23 3690 s23 3700 t23 3709 u23 3718 v23 3727 w23 3736 x23 3745 y23 3754 z23 3763 a24 3772 b24 3781 c24 3790 d24 3800 e24 3809 f24 3818 g24 3827 h24 3836 i24 3845 j24 3854 k24 3863 l24 3872 m24 3881 n24 3890 o24 3900 p24 3909 q24 3918 r24 3927 s24 3936 t24 3945 u24 3954 v24 3963 w24 3972 x24 3981 y24 3990 z24 4000 a25 4009 b25 4018 c25 4027 d25 4036 e25 4045 f25 4054 g25 4063 h25 4072 i25 4081 j25 4090 k25 4100 l25 4109 m25 4118 n25 4127 o25 4136 p25 4145 q25 4154 r25 4163 s25 4172 t25 4181 u25 4190 v25 4200 w25 4209 x25 4218 y25 4227 z25 4236 a26 4245 b26 4254 c26 4263 d26 4272 e26 4281 f26 4290 g26 4300 h26 4309 i26 4318 j26 4327 k26 4336 l26 4345 m26 4354 n26 4363 o26 4372 p26 4381 q26 4390 r26 4400 s26 4409 t26 4418 u26 4427 v26 4436 w26 4445 x26 4454 y26 4463 z26 4472 a27 4481 b27 4490 c27 4500 d27 4509 e27 4518 f27 4527 g27 4536 h27 4545 i27 4554 j27 4563 k27 4572 l27 4581 m27 4590 n27 4600 o27 4609 p27 4618 q27 4627 r27 4636 s27 4645 t27 4654 u27 4663 v27 4672 w27 4681 x27 4690 y27 4700 z27 4709 a28 4718 b28 4727 c28 4736 d28 4745 e28 4754 f28 4763 g28 4772 h28 4781 i28 4790 j28 4800 k28 4809 l28 4818 m28 4827 n28 4836 o28 4845 p28 4854 q28 4863 r28 4872 s28 4881 t28 4890 u28 4900 v28 4909 w28 4918 x28 4927 y28 4936 z28 4945 a29 4954 b29 4963 c29 4972 d29 4981 e29 4990 f29 5000 g29 5009 h29 5018 i29 5027 j29 5036 k29 5045 l29 5054 m29 5063 n29 5072 o29 5081 p29 5090 q29 5100 r29 5109 s29 5118 t29 5127 u29 5136 v29 5145 w29 5154 x29 5163 y29 5172 z29 5181 a30 5190 b30 5199 c30 5208 d30 5217 e30 5226 f30 5235 g30 5244 h30 5253 i30 5262 j30 5271 k30 5280 l30 5289 m30 5298 n30 5307 o30 5316 p30 5325 q30 5334 r30 5343 s30 5352 t30 5361 u30 5370 v30 5379 w30 5388 x30 5397 y30 5406 z30 5415 a31 5424 b31 5433 c31 5442 d31 5451 e31 5460 f31 5469 g31 5478 h31 5487 i31 5496 j31 5505 k31 5514 l31 5523 m31 5532 n31 5541 o31 5550 p31 5559 q31 5568 r31 5577 s31 5586 t31 5595 u31 5604 v31 5613 w31 5622 x31 5631 y31 5640 z31 5649 a32 5658 b32 5667 c32 5676 d32 5685 e32 5694 f32 5703 g32 5712 h32 5721 i32 5730 j32 5739 k32 5748 l32 5757 m32 5766 n32 5775 o32 5784 p32 5793 q32 5802 r32 5811 s32 5820 t32 5829 u32 5838 v32 5847 w32 5856 x32 5865 y32 5874 z32 5883 a33 5892 b33 5901 c33 5910 d33 5919 e33 5928 f33 5937 g33 5946 h33 5955 i33 5964 j33 5973 k33 5982 l33 5991 m33 6000 n33 6009 o33 6018 p33 6027 q33 6036 r33 6045 s33 6054 t33 6063 u33 6072 v33 6081 w33 6090 x33 6100 y33 6109 z33 6118 a34 6127 b34 6136 c34 6145 d34 6154 e34 6163 f34 6172 g34 6181 h34 6190 i34 6200 j34 6209 k34 6218 l34 6227 m34 6236 n34 6245 o34 6254 p34 6263 q34 6272 r34 6281 s34 6290 t34 6300 u34 6309 v34 6318 w34 6327 x34 6336 y34 6345 z34 6354 a35 6363 b35 6372 c35 6381 d35 6390 e35 6400 f35 6409 g35 6418 h35 6427 i35 6436 j35 6445 k35 6454 l35 6463 m35 6472 n35 6481 o35 6490 p35 6500 q35 6509 r35 6518 s35 6527 t35 6536 u35 6545 v35 6554 w35 6563 x35 6572 y35 6581 z35 6590 a36 6600 b36 6609 c36 6618 d36 6627 e36 6636 f36 6645 g36 6654 h36 6663 i36 6672 j36 6681 k36 6690 l36 6700 m36 6709 n36 6718 o36 6727 p36 6736 q36 6745 r36 6754 s36 6763 t36 6772 u36 6781 v36 6790 w36 6800 x36 6809 y36 6818 z36 6827 a37 6836 b37 6845 c37 6854 d37 6863 e37 6872 f37 6881 g37 6890 h37 6900 i37 6909 j37 6918 k37 6927 l37 6936 m37 6945 n37 6954 o37 6963 p37 6972 q37 6981 r37 6990 s37 7000 t37 7009 u37 7018 v37 7027 w37 7036 x37 7045 y37 7054 z37 7063 a38 7072 b38 7081 c38 7090 d38 7100 e38 7109 f38 7118 g38 7127 h38 7136 i38 7145 j38 7154 k38 7163 l38 7172 m38 7181 n38 7190 o38 7200 p38 7209 q38 7218 r38 7227 s38 7236 t38 7245 u38 7254 v38 7263 w38 7272 x38 7281 y38 7290 z38 7300 a39 7309 b39 7318 c39 7327 d39 7336 e39 7345 f39 7354 g39 7363 h39 7372 i39 7381 j39 7390 k39 7400 l39 7409 m39 7418 n39 7427 o39 7436 p39 7445 q39 7454 r39 7463 s39 7472 t39 7481 u39 7490 v39 7500 w39 7509 x39 7518 y39 7527 z39 7536 a40 7545 b40 7554 c40 7563 d40 7572 e40 7581 f40 7590 g40 7600 h40 7609 i40 7618 j40 7627 k40 7636 l40 7645 m40 7654 n40 7663 o40 7672 p40 7681 q40 7690 r40 7700 s40 7709 t40 7718 u40 7727 v40 7736 w40 7745 x40 7754 y40 7763 z40 7772 a41 7781 b41 7790 c41 7800 d41 7809 e41 7818 f41 7827 g41 7836 h41 7845 i41 7854 j41 7863 k41 7872 l41 7881 m41 7890 n41 7900 o41 7909 p41 7918 q41 7927 r41 7936 s41 7945 t41 7954 u41 7963 v41 7972 w41 7981 x41 7990 y41 8000 z41 8009 a42 8018 b42 8027 c42 8036 d42 8045 e42 8054 f42 8063 g42 8072 h42 8081 i42 8090 j42 8100 k42 8109 l42 8118 m42 8127 n42 8136 o42 8145 p42 8154 q42 8163 r42 8172 s42 8181 t42 8190 u42 8200 v42 8209 w42 8218 x42 8227 y42 8236 z42 8245 a43 8254 b43 8263 c43 8272 d43 8281 e43 8290 f43 8300 g43 8309 h43 8318 i43 8327 j43 8336 k43 8345 l43 8354 m43 8363 n43 8372 o43 8381 p43 8390 q43 8400 r43 8409 s43 8418 t43 8427 u43 8436 v43 8445 w43 8454 x43 8463 y43 8472 z43 8481 a44 8490 b44 8500 c44 8509 d44 8518 e44 8527 f44 8536 g44 8545 h44 8554 i44 8563 j44 8572 k44 8581 l44 8590 m44 8600 n44 8609 o44 8618 p44 8627 q44 8636 r44 8645 s44 8654 t44 8663 u44 8672 v44 8681 w44 8690 x44 8700 y44 8709 z44 8718 a45 8727 b45 8736 c45 8745 d45 8754 e45 8763 f45 8772 g45 8781 h45 8790 i45 8800 j45 8809 k45 8818 l45 8827 m45 8836 n45 8845 o45 8854 p45 8863 q45 8872 r45 8881 s45 8890 t45 8900 u45 8909 v45 8918 w45 8927 x45 8936 y45 8945 z45 8954 a46 8963 b46 8972 c46 8981 d46 8990 e46 9000 f46 9009 g46 9018 h46 9027 i46 9036 j46 9045 k46 9054 l46 9063 m46 9072 n46 9081 o46 9090 p46 9100 q46 9109 r46 9118 s46 9127 t46 9136 u46 9145 v46 9154 w46 9163 x46 9172 y46 9181 z46 9190 a47 9200 b47 9209 c47 9218 d47 9227 e47 9236 f47 9245 g47 9254 h47 9263 i47 9272 j47 9281 k47 9290 l47 9300 m47 9309 n47 9318 o47 9327 p47 9336 q47 9345 r47 9354 s47 9363 t47 9372 u47 9381 v47 9390 w47 9400 x47 9409 y47 9418 z47 9427 a48 9436 b48 9445 c48 9454 d48 9463 e48 9472 f48 9481 g48 9490 h48 9500 i48 9509 j48 9518 k48 9527 l48 9536 m48 9545 n48 9554 o48 9563 p48 9572 q48 9581 r48 9590 s48 9600 t48 9609 u48 9618 v48 9627 w48 9636 x48 9645 y48 9654 z48 9663 a49 9672 b49 9681 c49 9690 d49 9700 e49 9709 f49 9718 g49 9727 h49 9736 i49 9745 j49 9754 k49 9763 l49 9772 m49 9781 n49 9790 o49 9800 p49 9809 q49 9818 r49 9827 s49 9836 t49 9845 u49 9854 v49 9863 w49 9872 x49 9881 y49 9890 z49 9900 a50 9909 b50 9918 c50 9927 d50 9936 e50 9945 f50 9954 g50 9963 h50 9972 i50 9981 j50 9990 k50 10000 l50 10009 m50 10018 n50 10027 o50 10036 p50 10045 q50 10054 r50 10063 s50 10072 t50 10081 u50 10090 v50 10100 w50 10109 x50 10118 y50 10127 z50 10136 a51 10145 b51 10154 c51 10163 d51 10172 e51 10181 f51 10190 g51 10200 h51 10209 i51 10218 j51 10227 k51 10236 l51 10245 m51 10254 n51 10263 o51 10272 p51 10281 q51 10290 r51 10300 s51 10309 t51 10318 u51 10327 v51 10336 w51 10345 x51 10354 y51 10363 z51 10372 a52 10381 b52 10390 c52 10400 d52 10409 e52 10418 f52 10427 g52 10436 h52 10445 i52 10454 j52 10463 k52 10472 l52 10481 m52 10490 n52 10500 o52 10509 p52 10518 q52 10527 r52 10536 s52 10545 t52 10554 u52 10563 v52 10572 w52 10581 x52 10590 y52 10600 z52 10609 a53 10618 b53 10627 c53 10636 d53 10645 e53 10654 f53 10663 g53 10672 h53 10681 i53 10690 j53 10700 k53 10709 l53 10718 m53 10727 n53 10736 o53 10745 p53 10754 q53 10763 r53 10772 s53 10781 t53 10790 u53 10800 v53 10809 w53 10818 x53 10827 y53 10836 z53 10845 a54 10854 b54 10863 c54 10872 d54 10881 e54 10890 f54 10900 g54 10909 h54 10918 i54 10927 j54 10936 k54 10945 l54 10954 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i58 11872 j58 11881 k58 11890 l58 11900 m58 11909 n58 11918 o58 11927 p58 11936 q58 11945 r58 11954 s58 11963 t58 11972 u58 11981 v58 11990 w58 12000 x58 12009 y58 12018 z58 12027 a59 12036 b59 12045 c59 12054 d59 12063 e59 12072 f59 12081 g59 12090 h59 12100 i59 12109 j59 12118 k59 12127 l59 12136 m59 12145 n59 12154 o59 12163 p59 12172 q59 12181 r59 12190 s59 12200 t59 12209 u59 12218 v59 12227 w59 12236 x59 12245 y59 12254 z59 12263 a60 12272 b60 12281 c60 12290 d60 12300 e60 12309 f60 12318 g60 12327 h60 12336 i60 12345 j60 12354 k60 12363 l60 12372 m60 12381 n60 12390 o60 12400 p60 12409 q60 12418 r60 12427 s60 12436 t60 12445 u60 12454 v60 12463 w60 12472 x60 12481 y60 12490 z60 12500 a61 12509 b61 12518 c61 12527 d61 12536 e61 12545 f61 12554 g61 12563 h61 12572 i61 12581 j61 12590 k61 12600 l61 12609 m61 12618 n61 12627 o61 12636 p61 12645 q61 12654 r61 12663 s61 12672 t61 12681 u61 12690 v61 12700 w61 12709 x61 12718 y61 12727 z61 12736 a62 12745 b62 12754 c62 12763 d62 12772 e62 12781 f62 12790 g62 12800 h62 12809 i62 12818 j62 12827 k62 12836 l62 12845 m62 12854 n62 12863 o62 12872 p62 12881 q62 12890 r62 12900 s62 12909 t62 12918 u62 12927 v62 12936 w62 12945 x62 12954 y62 12963 z62 12972 a63 12981 b63 12990 c63 13000 d63 13009 e |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

| i  | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$ |
|----|---------|-------|---------|---------------|--------------|
| 1  | 52.02   | 0.0   | 0.0     | 52.02         | 0.0          |
| 2  | 54.91   | 0.0   | 0.0     | 52.17         | 0.0          |
| 3  | 57.8    | 0.0   | 0.02    | 52.67         | 0.0          |
| 4  | 60.7    | 0.0   | 0.04    | 53.54         | 0.0          |
| 5  | 63.59   | 0.0   | 0.06    | 54.79         | 0.0          |
| 6  | 66.48   | 0.0   | 0.1     | 56.43         | 0.0          |
| 7  | 69.37   | 0.0   | 0.15    | 58.47         | 0.0          |
| 8  | 72.27   | 0.0   | 0.2     | 60.91         | 0.0          |
| 9  | 75.16   | 0.0   | 0.27    | 63.75         | 0.0          |
| 10 | 78.05   | 0.0   | 0.35    | 67.01         | 0.0          |
| 11 | 80.95   | 0.0   | 0.43    | 70.69         | 0.0          |
| 12 | 83.84   | 0.0   | 0.52    | 74.78         | 0.0          |
| 13 | 86.73   | 0.0   | 0.63    | 79.3          | 0.0          |
| 14 | 89.62   | 0.0   | 0.74    | 84.24         | 0.0          |
| 15 | 92.52   | 0.0   | 0.87    | 89.61         | 0.0          |
| 16 | 95.41   | 0.0   | 1.0     | 95.41         | 0.0          |
| 17 | 52.02   | 0.0   | 0.0     | 52.02         | 0.0          |
| 18 | 62.87   | 0.0   | 0.06    | 54.44         | 0.0          |
| 19 | 73.71   | 0.0   | 0.24    | 62.28         | 0.0          |
| 20 | 84.56   | 0.0   | 0.55    | 75.87         | 0.0          |
| 21 | 95.41   | 0.0   | 1.0     | 95.41         | 0.0          |

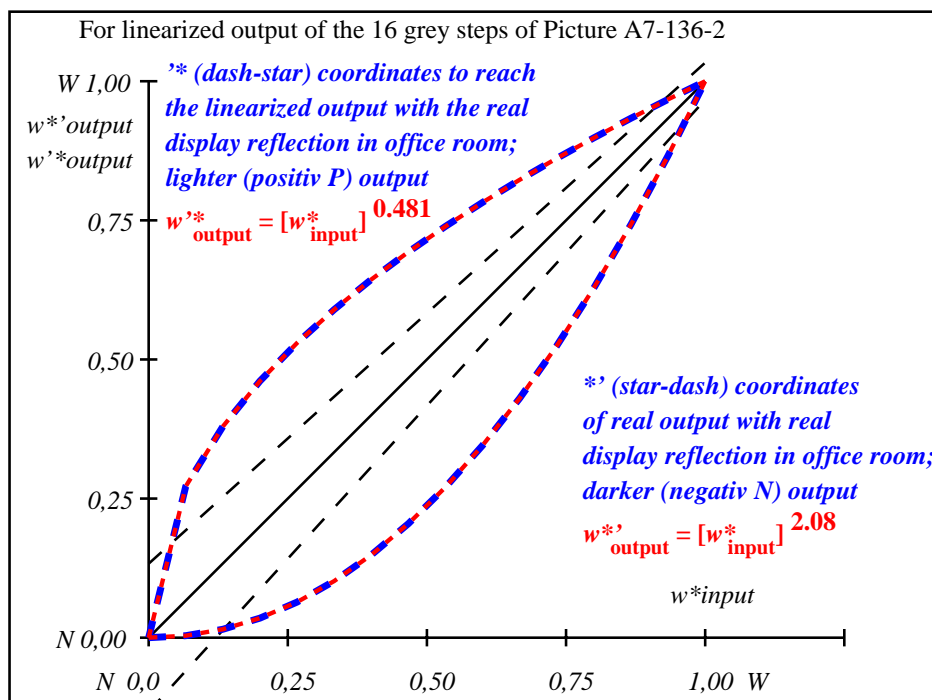
**Start output S1**  
**Specification according to ISO/IEC 15775 Annex G and DIN 33866-1 Annex G**

Mean lightness difference (16 steps)  
 $\Delta E^*_{CIELAB} = 7.1$

Mean lightness difference (5 steps)  
 $\Delta L^*_{CIELAB} = 5.7$

Mean colour reproduction index:  $R^*_{ab,m} = 69$

fek70-3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-136-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

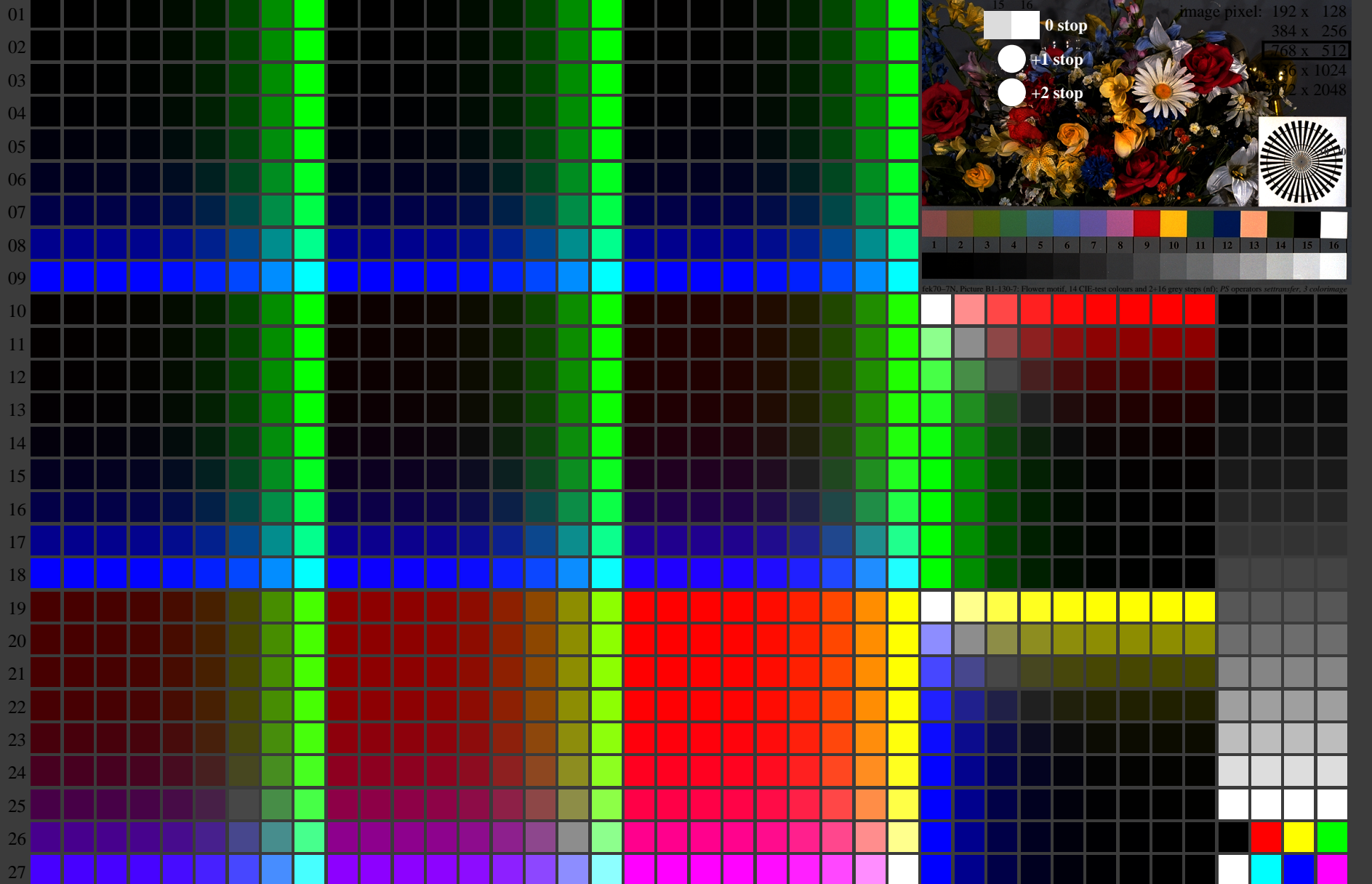
| $L^*/Y^*_{intended}$ (absolute) | 52.0/20.2 | 54.9/22.8 | 57.8/25.8 | 60.7/28.9 | 63.6/32.3 | 66.5/36.0 | 69.4/39.9 | 72.3/44.1 | 75.2/48.5 | 78.1/53.3 | 80.9/58.4 | 83.8/63.8 | 86.7/69.5 | 89.6/75.5 | 92.5/81.9 | 95.4/88.6 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^*_{setrgb}$                  | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*_{CIELAB,r}$ (relative)     | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{intended}$                | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{out}$                     | 0,0       | 0,007     | 0,026     | 0,054     | 0,091     | 0,135     | 0,189     | 0,25      | 0,319     | 0,395     | 0,479     | 0,569     | 0,666     | 0,771     | 0,882     | 1,0       |

fek70-7N-136-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^*_{setrgbcolor}$

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
Viewing Y contrast  $Y_W:Y_N=88,9:20$ ;  $Y_N$  range 15 to <30, L-HDR;  $\gamma_R=1,0$  ->rgb\*d, 130-2:

<http://farbe.li.tu-berlin.de/fek7/fek710fa.txt> /.ps; only vector graphic VG;  
see separate images of this page: <http://farbe.li.tu-berlin.de/fek7/fek7.htm>

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n



0 stop  
+1 stop  
+2 stop

image pixel: 192 x 128  
384 x 256  
768 x 512  
1536 x 1024  
3072 x 2048

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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or <http://standards.iso.org/iso/9241/306/ed-2/index.html>

TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

fek70-7N, Page 1/16, Test chart 2G with 40x27=1080 colours; digital equidistant 9 or 16 step colour scales; Colour data in column (A-n):  $rgb^*(A_n)$ , colorm = 1, xchart = 56, pchart = 0

TUB-test chart fek7; fek7: Test chart uh\_d08 with 40x27=1080 colours; 1MR, DH 000n/w/cmy0/rgb  
Digital equidistant 9 or 16 step colour scales, L-HDR;  $\gamma_R=1,0$   
-> $rgb^*_d, 130-0$

http://farbe.li.tu-berlin.de/fek7/fek710fa.txt /ps; only vector graphic VG;  
 see separate images of this page: http://farbe.li.tu-berlin.de/fek7/fek71m

TUB registration: 20240301-fek7/fek710fa.txt.ps  
 application for evaluation and measurement of display or print output

TUB material: code=rh4rta

see similar files of the whole serie: http://farbe.li.tu-berlin.de/feks.html  
 technical information: http://farbe.li.tu-berlin.de/A/33872E.html  
 or http://standards.iso.org/iso/9241/306/ed-2/index.html

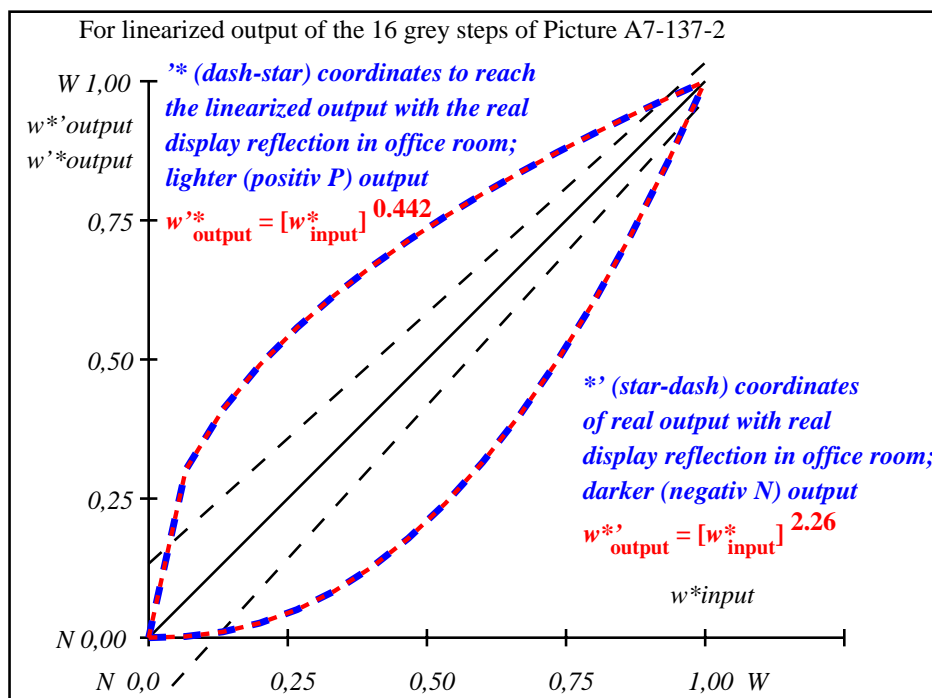
| V        | L        | O        | M        | C        | a        | b        | c        | d        | e        | f        | g        | h        | i        | j        | k        | l        | m        | n        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          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|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----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| 0000 A01 | 0009 B01 | 0018 C01 | 0027 D01 | 0036 E01 | 0045 F01 | 0054 G01 | 0063 H01 | 0072 I01 | 0081 J01 | 0090 K01 | 0099 L01 | 0108 M01 | 0117 N01 | 0126 O01 | 0135 P01 | 0144 Q01 | 0153 R01 | 0162 S01 | 0171 T01 | 0180 U01 | 0189 V01 | 0198 W01 | 0207 X01 | 0216 Y01 | 0225 Z01 | 0234 a01 | 0243 b01 | 0252 c01 | 0261 d01 | 0270 e01 | 0279 f01 | 0288 g01 | 0297 h01 | 0306 i01 | 0315 j01 | 0324 k01 | 0333 l01 | 0342 m01 | 0351 n01 | 0360 o01 | 0369 p01 | 0378 q01 | 0387 r01 | 0396 s01 | 0405 t01 | 0414 u01 | 0423 v01 | 0432 w01 | 0441 x01 | 0450 y01 | 0459 z01 | 0468 101 | 0477 201 | 0486 301 | 0495 401 | 0504 501 | 0513 601 | 0522 701 | 0531 801 | 0540 901 | 0549 001 | 0558 101 | 0567 201 | 0576 301 | 0585 401 | 0594 501 | 0603 601 | 0612 701 | 0621 801 | 0630 901 | 0639 001 | 0648 101 | 0657 201 | 0666 301 | 0675 401 | 0684 501 | 0693 601 | 0702 701 | 0711 801 | 0720 901 | 0729 001 | 0738 101 | 0747 201 | 0756 301 | 0765 401 | 0774 501 | 0783 601 | 0792 701 | 0801 801 | 0810 901 | 0819 001 | 0828 101 | 0837 201 | 0846 301 | 0855 401 | 0864 501 | 0873 601 | 0882 701 | 0891 801 | 0900 901 | 0909 001 | 0918 101 | 0927 201 | 0936 301 | 0945 401 | 0954 501 | 0963 601 | 0972 701 | 0981 801 | 0990 901 | 0999 001 | 1008 101 | 1017 201 | 1026 301 | 1035 401 | 1044 501 | 1053 601 | 1062 701 | 1071 801 | 1080 901 | 1089 001 | 1098 101 | 1107 201 | 1116 301 | 1125 401 | 1134 501 | 1143 601 | 1152 701 | 1161 801 | 1170 901 | 1179 001 | 1188 101 | 1197 201 | 1206 301 | 1215 401 | 1224 501 | 1233 601 | 1242 701 | 1251 801 | 1260 901 | 1269 001 | 1278 101 | 1287 201 | 1296 301 | 1305 401 | 1314 501 | 1323 601 | 1332 701 | 1341 801 | 1350 901 | 1359 001 | 1368 101 | 1377 201 | 1386 301 | 1395 401 | 1404 501 | 1413 601 | 1422 701 | 1431 801 | 1440 901 | 1449 001 | 1458 101 | 1467 201 | 1476 301 | 1485 401 | 1494 501 | 1503 601 | 1512 701 | 1521 801 | 1530 901 | 1539 001 | 1548 101 | 1557 201 | 1566 301 | 1575 401 | 1584 501 | 1593 601 | 1602 701 | 1611 801 | 1620 901 | 1629 001 | 1638 101 | 1647 201 | 1656 301 | 1665 401 | 1674 501 | 1683 601 | 1692 701 | 1701 801 | 1710 901 | 1719 001 | 1728 101 | 1737 201 | 1746 301 | 1755 401 | 1764 501 | 1773 601 | 1782 701 | 1791 801 | 1800 901 | 1809 001 | 1818 101 | 1827 201 | 1836 301 | 1845 401 | 1854 501 | 1863 601 | 1872 701 | 1881 801 | 1890 901 | 1899 001 | 1908 101 | 1917 201 | 1926 301 | 1935 401 | 1944 501 | 1953 601 | 1962 701 | 1971 801 | 1980 901 | 1989 001 | 1998 101 | 2007 201 | 2016 301 | 2025 401 | 2034 501 | 2043 601 | 2052 701 | 2061 801 | 2070 901 | 2079 001 | 2088 101 | 2097 201 | 2106 301 | 2115 401 | 2124 501 | 2133 601 | 2142 701 | 2151 801 | 2160 901 | 2169 001 | 2178 101 | 2187 201 | 2196 301 | 2205 401 | 2214 501 | 2223 601 | 2232 701 | 2241 801 | 2250 901 | 2259 001 | 2268 101 | 2277 201 | 2286 301 | 2295 401 | 2304 501 | 2313 601 | 2322 701 | 2331 801 | 2340 901 | 2349 001 | 2358 101 | 2367 201 | 2376 301 | 2385 401 | 2394 501 | 2403 601 | 2412 701 | 2421 801 | 2430 901 | 2439 001 | 2448 101 | 2457 201 | 2466 301 | 2475 401 | 2484 501 | 2493 601 | 2502 701 | 2511 801 | 2520 901 | 2529 001 | 2538 101 | 2547 201 | 2556 301 | 2565 401 | 2574 501 | 2583 601 | 2592 701 | 2601 801 | 2610 901 | 2619 001 | 2628 101 | 2637 201 | 2646 301 | 2655 401 | 2664 501 | 2673 601 | 2682 701 | 2691 801 | 2700 901 | 2709 001 | 2718 101 | 2727 201 | 2736 301 | 2745 401 | 2754 501 | 2763 601 | 2772 701 | 2781 801 | 2790 901 | 2799 001 | 2808 101 | 2817 201 | 2826 301 | 2835 401 | 2844 501 | 2853 601 | 2862 701 | 2871 801 | 2880 901 | 2889 001 | 2898 101 | 2907 201 | 2916 301 | 2925 401 | 2934 501 | 2943 601 | 2952 701 | 2961 801 | 2970 901 | 2979 001 | 2988 101 | 2997 201 | 3006 301 | 3015 401 | 3024 501 | 3033 601 | 3042 701 | 3051 801 | 3060 901 | 3069 001 | 3078 101 | 3087 201 | 3096 301 | 3105 401 | 3114 501 | 3123 601 | 3132 701 | 3141 801 | 3150 901 | 3159 001 | 3168 101 | 3177 201 | 3186 301 | 3195 401 | 3204 501 | 3213 601 | 3222 701 | 3231 801 | 3240 901 | 3249 001 | 3258 101 | 3267 201 | 3276 301 | 3285 401 | 3294 501 | 3303 601 | 3312 701 | 3321 801 | 3330 901 | 3339 001 | 3348 101 | 3357 201 | 3366 301 | 3375 401 | 3384 501 | 3393 601 | 3402 701 | 3411 801 | 3420 901 | 3429 001 | 3438 101 | 3447 201 | 3456 301 | 3465 401 | 3474 501 | 3483 601 | 3492 701 | 3501 801 | 3510 901 | 3519 001 | 3528 101 | 3537 201 | 3546 301 | 3555 401 | 3564 501 | 3573 601 | 3582 701 | 3591 801 | 3600 901 | 3609 001 | 3618 101 | 3627 201 | 3636 301 | 3645 401 | 3654 501 | 3663 601 | 3672 701 | 3681 801 | 3690 901 | 3699 001 | 3708 101 | 3717 201 | 3726 301 | 3735 401 | 3744 501 | 3753 601 | 3762 701 | 3771 801 | 3780 901 | 3789 001 | 3798 101 | 3807 201 | 3816 301 | 3825 401 | 3834 501 | 3843 601 | 3852 701 | 3861 801 | 3870 901 | 3879 001 | 3888 101 | 3897 201 | 3906 301 | 3915 401 | 3924 501 | 3933 601 | 3942 701 | 3951 801 | 3960 901 | 3969 001 | 3978 101 | 3987 201 | 3996 301 | 4005 401 | 4014 501 | 4023 601 | 4032 701 | 4041 801 | 4050 901 | 4059 001 | 4068 101 | 4077 201 | 4086 301 | 4095 401 | 4104 501 | 4113 601 | 4122 701 | 4131 801 | 4140 901 | 4149 001 | 4158 101 | 4167 201 | 4176 301 | 4185 401 | 4194 501 | 4203 601 | 4212 701 | 4221 801 | 4230 901 | 4239 001 | 4248 101 | 4257 201 | 4266 301 | 4275 401 | 4284 501 | 4293 601 | 4302 701 | 4311 801 | 4320 901 | 4329 001 | 4338 101 | 4347 201 | 4356 301 | 4365 401 | 4374 501 | 4383 601 | 4392 701 | 4401 801 | 4410 901 | 4419 001 | 4428 101 | 4437 201 | 4446 301 | 4455 401 | 4464 501 | 4473 601 | 4482 701 | 4491 801 | 4500 901 | 4509 001 | 4518 101 | 4527 201 | 4536 301 | 4545 401 | 4554 501 | 4563 601 | 4572 701 | 4581 801 | 4590 901 | 4599 001 | 4608 101 | 4617 201 | 4626 301 | 4635 401 | 4644 501 | 4653 601 | 4662 701 | 4671 801 | 4680 901 | 4689 001 | 4698 101 | 4707 201 | 4716 301 | 4725 401 | 4734 501 | 4743 601 | 4752 701 | 4761 801 | 4770 901 | 4779 001 | 4788 101 | 4797 201 | 4806 301 | 4815 401 | 4824 501 | 4833 601 | 4842 701 | 4851 801 | 4860 901 | 4869 001 | 4878 101 | 4887 201 | 4896 301 | 4905 401 | 4914 501 | 4923 601 | 4932 701 | 4941 801 | 4950 901 | 4959 001 | 4968 101 | 4977 201 | 4986 301 | 4995 401 | 5004 501 | 5013 601 | 5022 701 | 5031 801 | 5040 901 | 5049 001 | 5058 101 | 5067 201 | 5076 301 | 5085 401 | 5094 501 | 5103 601 | 5112 701 | 5121 801 | 5130 901 | 5139 001 | 5148 101 | 5157 201 | 5166 301 | 5175 401 | 5184 501 | 5193 601 | 5202 701 | 5211 801 | 5220 901 | 5229 001 | 5238 101 | 5247 201 | 5256 301 | 5265 401 | 5274 501 | 5283 601 | 5292 701 | 5301 801 | 5310 901 | 5319 001 | 5328 101 | 5337 201 | 5346 301 | 5355 401 | 5364 501 | 5373 601 | 5382 701 | 5391 801 | 5400 901 | 5409 001 | 5418 101 | 5427 201 | 5436 301 | 5445 401 | 5454 501 | 5463 601 | 5472 701 | 5481 801 | 5490 901 | 5499 001 | 5508 101 | 5517 201 | 5526 301 | 5535 401 | 5544 501 | 5553 601 | 5562 701 | 5571 801 | 5580 901 | 5589 001 | 5598 101 | 5607 201 | 5616 301 | 5625 401 | 5634 501 | 5643 601 | 5652 701 | 5661 801 | 5670 901 | 5679 001 | 5688 101 | 5697 201 | 5706 301 | 5715 401 | 5724 501 | 5733 601 | 5742 701 | 5751 801 | 5760 901 | 5769 001 | 5778 101 | 5787 201 | 5796 301 | 5805 401 | 5814 501 | 5823 601 | 5832 701 | 5841 801 | 5850 901 | 5859 001 | 5868 101 | 5877 201 | 5886 301 | 5895 401 | 5904 501 | 5913 601 | 5922 701 | 5931 801 | 5940 901 | 5949 001 | 5958 101 | 5967 201 | 5976 301 | 5985 401 | 5994 501 | 6003 601 | 6012 701 | 6021 801 | 6030 901 | 6039 001 | 6048 101 | 6057 201 | 6066 301 | 6075 401 | 6084 501 | 6093 601 | 6102 701 | 6111 801 | 6120 901 | 6129 001 | 6138 101 | 6147 201 | 6156 301 | 6165 401 | 6174 501 | 6183 601 | 6192 701 | 6201 801 | 6210 901 | 6219 001 | 6228 101 | 6237 201 | 6246 301 | 6255 401 | 6264 501 | 6273 601 | 6282 701 | 6291 801 | 6300 901 | 6309 001 | 6318 101 | 6327 201 | 6336 301 | 6345 401 | 6354 501 | 6363 601 | 6372 701 | 6381 801 | 6390 901 | 6399 001 | 6408 101 | 6417 201 | 6426 301 | 6435 401 | 6444 501 | 6453 601 | 6462 701 | 6471 801 | 6480 901 | 6489 001 | 6498 101 | 6507 201 | 6516 301 | 6525 401 | 6534 501 | 6543 601 | 6552 701 | 6561 801 | 6570 901 | 6579 001 | 6588 101 | 6597 201 | 6606 301 | 6615 401 | 6624 501 | 6633 601 | 6642 701 | 6651 801 | 6660 901 | 6669 001 | 6678 101 | 6687 201 | 6696 301 | 6705 401 | 6714 501 | 6723 601 | 6732 701 | 6741 801 | 6750 901 | 6759 001 | 6768 101 | 6777 201 | 6786 301 | 6795 401 | 6804 501 | 6813 601 | 6822 701 | 6831 801 | 6840 901 | 6849 001 | 6858 101 | 6867 201 | 6876 301 | 6885 401 | 6894 501 | 6903 601 | 6912 701 | 6921 801 | 6930 901 | 6939 001 | 6948 101 | 6957 201 | 6966 301 | 6975 401 | 6984 501 | 6993 601 | 7002 701 | 7011 801 | 7020 901 | 7029 001 | 7038 101 | 7047 201 | 7056 301 | 7065 401 | 7074 501 | 7083 601 | 7092 701 | 7101 801 | 7110 901 | 7119 001 | 7128 101 | 7137 201 | 7146 301 | 7155 401 | 7164 501 | 7173 601 | 7182 701 | 7191 801 | 7200 901 | 7209 001 | 7218 101 | 7227 201 | 7236 301 | 7245 401 | 7254 501 | 7263 601 | 7272 701 | 7281 801 | 7290 901 | 7299 001 | 7308 101 | 7317 201 | 7326 301 | 7335 401 | 7344 501 | 7353 601 | 7362 701 | 7371 801 | 7380 901 | 7389 001 | 7398 101 | 7407 201 | 7416 301 | 7425 401 | 7434 501 | 7443 601 | 7452 701 | 7461 801 | 7470 901 | 7479 001 | 7488 101 | 7497 201 | 7506 301 | 7515 401 | 7524 501 | 7533 601 | 7542 701 | 7551 801 | 7560 901 | 7569 001 | 7578 101 | 7587 201 | 7596 301 | 7605 401 | 7614 501 | 7623 601 | 7632 701 | 7641 801 | 7650 901 | 7659 001 | 7668 101 | 7677 |

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TUB registration: 20240301-fek7/fek710fa.txt /.ps  
application for evaluation and measurement of display or print output  
TUB material: code=rh4ta

| i                                    | LAB*ref | l*out | LAB*out | LAB*out/c-ref | $\Delta E^*$                |
|--------------------------------------|---------|-------|---------|---------------|-----------------------------|
| 1                                    | 69.7    | 0.0   | 69.7    | 0.0           | 0.01                        |
| 2                                    | 71.41   | 0.0   | 69.75   | -1.65         | 1.66                        |
| 3                                    | 73.13   | 0.0   | 69.97   | -3.15         | 3.16                        |
| 4                                    | 74.84   | 0.0   | 70.37   | -4.46         | 4.47                        |
| 5                                    | 76.55   | 0.0   | 70.99   | -5.55         | 5.56                        |
| 6                                    | 78.27   | 0.0   | 71.84   | -6.41         | 6.42                        |
| 7                                    | 79.98   | 0.0   | 72.94   | -7.03         | 7.04                        |
| 8                                    | 81.7    | 0.0   | 74.29   | -7.4          | 7.41                        |
| 9                                    | 83.41   | 0.0   | 75.91   | -7.49         | 7.5                         |
| 10                                   | 85.12   | 0.0   | 77.8    | -7.31         | 7.32                        |
| 11                                   | 86.84   | 0.0   | 79.98   | -6.85         | 6.86                        |
| 12                                   | 88.55   | 0.0   | 82.45   | -6.09         | 6.1                         |
| 13                                   | 90.27   | 0.0   | 85.23   | -5.03         | 5.04                        |
| 14                                   | 91.98   | 0.0   | 88.3    | -3.67         | 3.68                        |
| 15                                   | 93.7    | 0.0   | 91.7    | -1.99         | 2.0                         |
| 16                                   | 95.41   | 0.0   | 95.41   | 0.0           | 0.01                        |
| Mean lightness difference (16 steps) |         |       |         |               | $\Delta E^*_{CIELAB} = 4.6$ |
| 17                                   | 69.7    | 0.0   | 69.7    | 0.0           | 0.01                        |
| 18                                   | 76.13   | 0.0   | 70.82   | -5.3          | 5.31                        |
| 19                                   | 82.55   | 0.0   | 75.07   | -7.48         | 7.49                        |
| 20                                   | 88.98   | 0.0   | 83.12   | -5.85         | 5.86                        |
| 21                                   | 95.41   | 0.0   | 95.41   | 0.0           | 0.01                        |
| Mean lightness difference (5 steps)  |         |       |         |               | $\Delta L^*_{CIELAB} = 3.7$ |
| Mean colour reproduction index:      |         |       |         |               | $R^*_{ab,m} = 80$           |

fek70-3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown



fek71-3N-137-2: File: Measure unknown; Device: Device unknown; Date: Date unknown

| $L^*/Y^*_{intended}$ (absolute) | 69.7/40.3 | 71.4/42.8 | 73.1/45.4 | 74.8/48.0 | 76.6/50.8 | 78.3/53.7 | 80.0/56.6 | 81.7/59.7 | 83.4/62.9 | 85.1/66.3 | 86.8/69.7 | 88.6/73.2 | 90.3/76.9 | 92.0/80.7 | 93.7/84.6 | 95.4/88.6 |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $w^* w^* w^*$ setrgb            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $g_N=2.11$ No. and Hex code     | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=l^*_{CIELAB,r}$ (relative) |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{intended}$                | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{out}$                     | 0,0       | 0,003     | 0,014     | 0,034     | 0,062     | 0,099     | 0,145     | 0,201     | 0,266     | 0,341     | 0,426     | 0,52      | 0,625     | 0,74      | 0,864     | 1,0       |

fek70-7N-137-2: 16 visual equidistant  $L^*$ -grey steps; PS operator:  $w^* w^* w^*$  setrgbcolor

TUB-test chart fek7; fek7: In-output relation according to ISO 9241-306; 1MR, DH000n/w/cmy0/rgb  
Viewing Y contrast  $Y_W:Y_N=88,9:40$ ;  $Y_N$  range 30 to <60, L-HDR;  $\gamma_R=1,0$  ->rgb\*d, 130-2: