

# SW-HE24/1.5

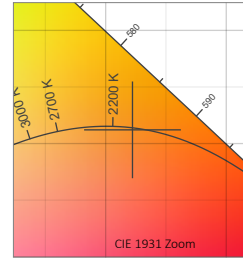
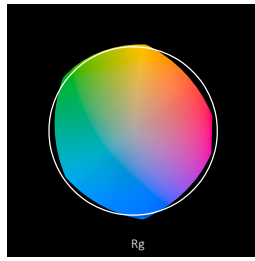
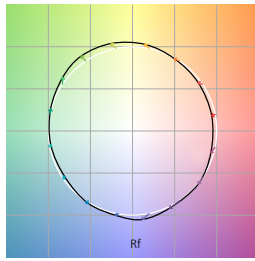
STRIP: Static White - COLOR DATA



## 2000K

2032 K

CRI: 93.5  
 CRI R9: 62.8  
 TM30 Rf: 90.7  
 TM30 Rg: 102.4  
 CQS: 80.8  
 X: 0.522  
 Y: 0.412  
 U: 0.303  
 V: 0.358  
 Auv: -0.0006



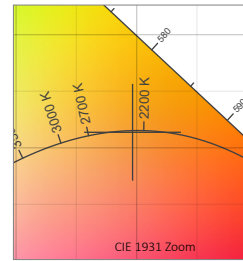
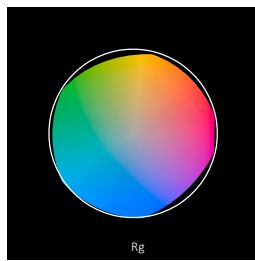
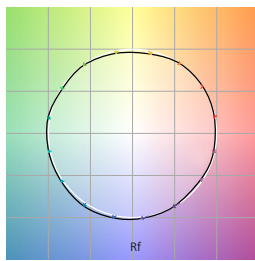
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
94.5	97.2	96.8	94.6	94.1	97.9	91.2	81.8	62.8	91.3	96.6	91.3	95.5	96.3	89.4	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
76.9	84.3	81.9	82.7	82.6	78.8	76.1	79.1	86.7	84.0	84.0	83.5	83.3	79.8	78.2	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.1	89.7	88.5	91.2	92.0	89.7	88.5	91.2	93.7	94.5	92.7	90.7	90.1	74.9	87.7	88.9

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	91	-4%	-1%
2	90	-3%	4%
3	88	-1%	6%
4	91	4%	5%
5	92	7%	4%
6	90	8%	1%
7	89	4%	-6%
8	91	0%	-6%
9	94	-2%	-3%
10	94	-3%	1%
11	93	1%	4%
12	91	2%	2%
13	90	5%	-9%
14	75	1%	-14%
15	88	0%	-9%
16	89	-4%	-7%

## 2200K

2283 K

CRI: 96.0  
 CRI R9: 92.3  
 TM30 Rf: 94.5  
 TM30 Rg: 99.7  
 CQS: 91.2  
 X: 0.497  
 Y: 0.414  
 U: 0.285  
 V: 0.356  
 Auv: -0.0005



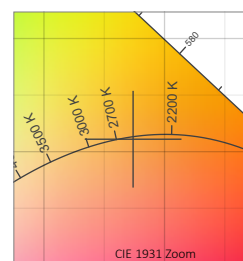
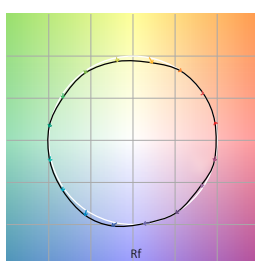
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
96.4	97.0	98.9	95.6	95.4	92.4	96.3	96.2	92.3	95.3	91.0	87.7	95.8	97.8	99.2	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
88.1	90.2	92.8	92.5	93.2	93.0	92.7	92.6	91.9	92.1	91.5	91.5	92.5	90.3	89.8	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	96.9	95.8	93.0	95.9	95.4	94.5	95.3	94.4	95.9	94.2	92.3	90.0	88.8	95.1	93.8

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	96	-1%	1%
2	97	0%	0%
3	96	0%	-1%
4	93	-4%	-4%
5	96	-3%	0%
6	95	-1%	3%
7	94	-1%	3%
8	95	2%	2%
9	94	2%	3%
10	96	2%	1%
11	94	4%	0%
12	92	3%	-4%
13	90	1%	-10%
14	89	-1%	-8%
15	95	-2%	0%
16	94	-1%	-4%

## 2400K

2521 K

CRI: 96.3  
 CRI R9: 95.8  
 TM30 Rf: 93.1  
 TM30 Rg: 99.2  
 CQS: 93.4  
 X: 0.474  
 Y: 0.411  
 U: 0.271  
 V: 0.353  
 Auv: -0.0008



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
96.2	96.8	99.3	96.4	95.6	92.9	96.3	97.1	95.8	94.9	93.3	86.1	95.7	98.3	98.2	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
88.8	92.7	95.7	94.9	93.9	93.4	95.4	95.9	94.7	94.9	94.6	94.6	95.5	93.0	91.7	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.6	96.6	95.6	89.8	94.5	95.0	92.1	94.6	91.3	93.2	91.9	91.0	91.6	91.5	93.4	92.3

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	0%	2%
2	97	0%	0%
3	96	0%	-2%
4	90	-5%	-5%
5	95	-5%	0%
6	95	-2%	3%
7	92	-3%	4%
8	95	1%	4%
9	91	2%	5%
10	93	3%	3%
11	92	6%	2%
12	91	4%	-4%
13	92	0%	-7%
14	92	0%	-5%
15	93	-3%	1%
16	92	0%	-5%

**NOTES:**

- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

# SW-HE24/1.5

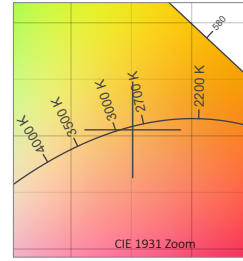
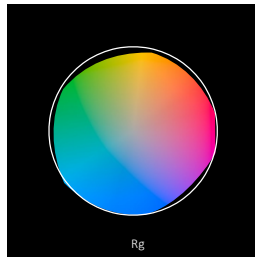
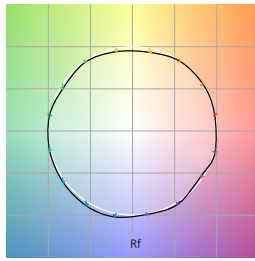
STRIP: Static White - COLOR DATA



## 2700K



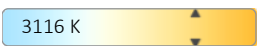
CRI: 97.2  
 CRI R9: 97.3  
 TM30 Rf: 93.6  
 TM30 Rg: 99.8  
 CQS: 95.0  
 X: 0.451  
 Y: 0.405  
 U: 0.259  
 V: 0.349  
 Δuv: -0.0012



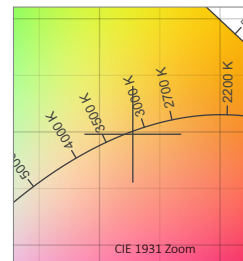
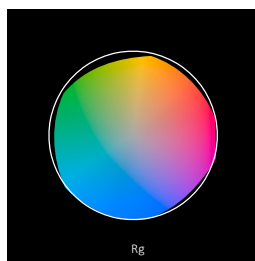
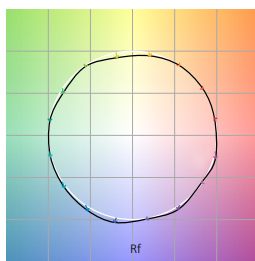
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
96.9	97.8	98.4	97.8	96.9	95.1	97.2	97.8	97.3	97.4	95.4	84.9	96.7	97.8	97.8	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
91.2	95.4	94.0	93.6	94.4	95.9	96.7	97.1	97.5	97.9	97.4	97.0	97.5	94.9	93.8	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.1	97.2	96.2	91.9	94.9	96.8	90.9	96.3	92.3	90.7	91.7	92.3	93.6	93.1	92.7	91.0

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	96	0%	-1%
4	92	-4%	-3%
5	95	-4%	0%
6	97	-1%	2%
7	91	-3%	5%
8	96	0%	2%
9	92	1%	5%
10	91	2%	6%
11	92	4%	5%
12	92	4%	-2%
13	94	0%	-5%
14	93	2%	-5%
15	93	-3%	1%
16	91	1%	-7%

## 3000K



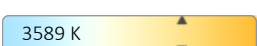
CRI: 97.8  
 CRI R9: 97.2  
 TM30 Rf: 93.3  
 TM30 Rg: 99.9  
 CQS: 95.0  
 X: 0.428  
 Y: 0.398  
 U: 0.247  
 V: 0.345  
 Δuv: -0.0011



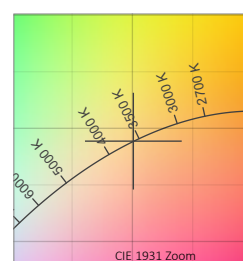
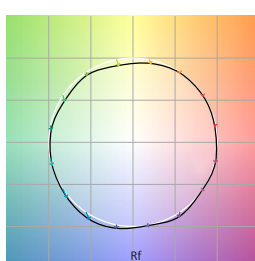
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.8	98.7	97.9	98.9	97.8	96.5	97.4	97.6	97.2	99.3	97.4	81.3	97.8	97.8	97.7	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
91.7	96.4	92.3	91.8	93.7	96.3	96.6	97.3	97.7	98.0	98.2	98.3	98.5	95.9	94.7	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.0	97.2	96.6	93.3	92.7	97.0	91.2	96.5	91.7	88.8	90.4	91.8	94.7	92.9	91.5	90.4

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-1%	1%
2	97	0%	0%
3	97	0%	0%
4	93	-3%	-2%
5	93	-6%	0%
6	97	-1%	1%
7	91	-4%	4%
8	97	0%	2%
9	92	0%	6%
10	89	2%	7%
11	90	4%	6%
12	92	6%	-1%
13	95	1%	-4%
14	93	3%	-4%
15	92	-1%	-1%
16	90	2%	-8%

## 3500K



CRI: 97.4  
 CRI R9: 95.8  
 TM30 Rf: 91.4  
 TM30 Rg: 98.3  
 CQS: 94.8  
 X: 0.401  
 Y: 0.389  
 U: 0.234  
 V: 0.340  
 Δuv: 0.0002



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
98.7	99.8	97.7	96.7	96.7	96.8	96.5	96.3	95.8	98.0	98.3	74.3	99.3	97.9	96.6	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
91.0	97.2	91.7	89.5	91.6	94.0	98.4	98.5	98.7	98.7	98.9	99.8	99.9	97.8	95.4	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.6	96.5	96.3	91.9	90.1	94.8	90.3	92.6	88.9	84.9	87.2	92.2	94.7	92.0	90.1	89.8

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	94	-1%	1%
2	96	0%	-1%
3	96	-1%	-1%
4	92	-4%	-3%
5	90	-7%	-1%
6	95	-3%	1%
7	90	-5%	5%
8	93	-2%	4%
9	89	-1%	8%
10	85	1%	11%
11	87	5%	8%
12	92	4%	1%
13	95	0%	-3%
14	92	4%	-4%
15	90	0%	-2%
16	90	1%	-4%

**NOTES:**

- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

# SW-HE24/1.5

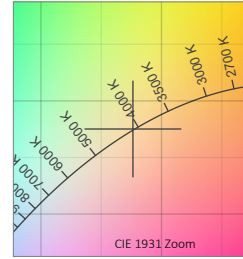
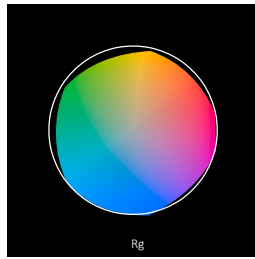
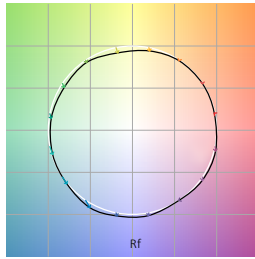
STRIP: Static White - COLOR DATA



## 4000K

4108 K

**CRI:** 96.9  
**CRI R9:** 98.7  
**TM30 Rf:** 91.3  
**TM30 Rg:** 98.7  
**CQS:** 94.0  
**X:** 0.376  
**Y:** 0.375  
**U:** 0.223  
**V:** 0.334  
 **$\Delta uv$ :** 0.0005



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
98.5	99.2	96.2	96.2	95.8	95.4	97.2	96.9	98.7	95.6	96.9	69.6	99.1	97.3	95.7	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
91.5	98.2	89.3	87.1	90.5	93.2	97.4	98.2	97.9	98.1	98.0	99.2	99.7	98.5	96.0	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.9	96.5	95.8	91.7	90.1	95.2	92.1	91.0	87.2	85.1	85.6	93.5	93.9	94.4	89.4	89.6

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	94	-1%	1%
2	96	0%	0%
3	96	-1%	0%
4	92	-4%	-2%
5	90	-7%	-1%
6	95	-3%	1%
7	92	-4%	3%
8	91	-3%	5%
9	87	-1%	10%
10	85	0%	10%
11	86	5%	9%
12	93	3%	2%
13	94	3%	-2%
14	94	0%	-1%
15	89	2%	-4%
16	90	2%	-5%

- NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
  - TM30 C values, 16 binned values out of total of 99 C values
  - CQS Q values
  - Data subject to change, all data has +/- 5% tolerance