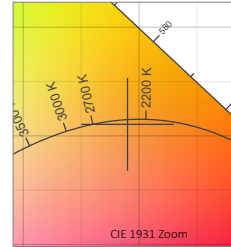
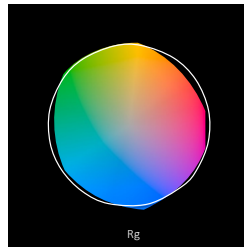
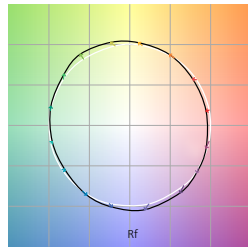


### 2400K ENC/CL

2330 K

CRI: 93.3  
 CRI R9: 65.8  
 TM30 Rf: 89.6  
 TM30 Rg: 103.0  
 CQS: 86.3  
 X: 0.490  
 Y: 0.411  
 U: 0.282  
 V: 0.355  
 Δuv: -0.0015



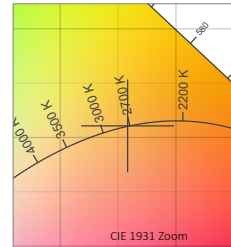
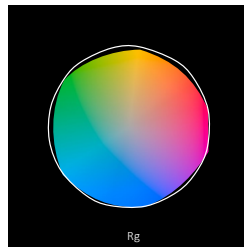
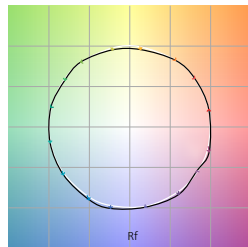
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
94.4	96.6	95.9	93.8	93.5	96.2	92.3	83.9	65.8	89.9	94.5	85.8	95.1	96.2	90.7	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
84.3	91.7	84.8	85.5	88.0	85.1	81.2	84.7	93.4	88.6	88.2	88.0	88.4	85.9	84.8	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	90.9	83.4	89.7	91.5	89.2	88.8	91.6	94.7	91.5	88.7	88.0	89.0	84.0	91.0	86.3

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	91	-4%	-1%
2	91	-3%	3%
3	83	0%	7%
4	90	3%	5%
5	92	5%	5%
6	89	7%	0%
7	89	3%	-6%
8	92	0%	-5%
9	95	-2%	-1%
10	92	-3%	3%
11	89	1%	7%
12	88	3%	4%
13	89	6%	-7%
14	84	5%	-9%
15	91	1%	-6%
16	86	-2%	-9%

### 2700K ENC/CL

2726 K

CRI: 98.1  
 CRI R9: 98.0  
 TM30 Rf: 94.7  
 TM30 Rg: 100.9  
 CQS: 95.4  
 X: 0.458  
 Y: 0.411  
 U: 0.261  
 V: 0.351  
 Δuv: 0.0002



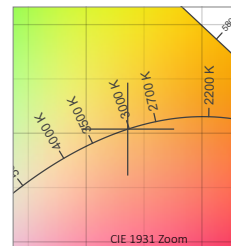
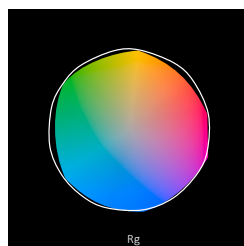
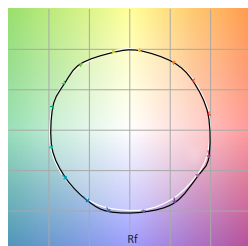
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.9	99.9	95.4	97.5	98.5	98.4	99.3	98.1	98.0	98.0	95.4	87.1	98.3	96.3	98.3	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
93.7	96.5	92.9	93.7	96.0	97.1	95.1	97.3	96.0	96.9	96.8	96.2	96.1	96.5	95.5	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.6	97.7	96.8	93.9	95.2	96.3	95.0	97.8	94.8	92.4	91.6	93.0	96.2	94.3	94.3	91.0

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	97	0%	0%
2	98	0%	-1%
3	97	0%	0%
4	94	-3%	-2%
5	95	-2%	1%
6	96	1%	2%
7	95	-1%	2%
8	98	1%	1%
9	95	0%	3%
10	92	1%	5%
11	92	3%	5%
12	93	4%	0%
13	96	1%	-2%
14	94	3%	-2%
15	94	-1%	1%
16	91	2%	-6%

### 3000K ENC/CL

3019 K

CRI: 96.6  
 CRI R9: 91.3  
 TM30 Rf: 93.1  
 TM30 Rg: 101.3  
 CQS: 93.5  
 X: 0.436  
 Y: 0.404  
 U: 0.250  
 V: 0.347  
 Δuv: 0.0001



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
98.0	97.0	93.4	97.5	96.5	94.8	98.5	97.2	91.3	90.8	96.7	79.3	97.7	95.3	97.5	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
95.9	97.7	88.2	89.1	93.2	93.7	91.8	95.1	95.7	94.2	94.9	96.2	97.1	96.2	96.1	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.9	96.7	93.3	94.5	92.5	95.7	93.9	97.8	94.7	88.2	86.7	89.5	95.6	92.0	92.9	88.8

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	96	-1%	0%
2	97	-1%	1%
3	93	0%	3%
4	95	-1%	2%
5	92	-2%	2%
6	96	2%	1%
7	94	-1%	0%
8	98	-1%	-1%
9	95	-1%	3%
10	88	-1%	6%
11	87	2%	9%
12	90	4%	4%
13	96	3%	0%
14	92	5%	-2%
15	93	1%	-2%
16	89	3%	-8%

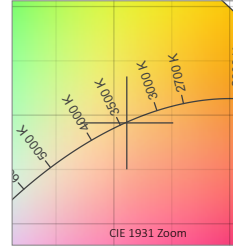
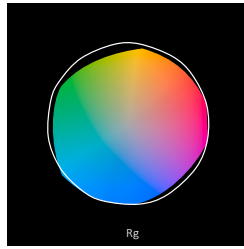
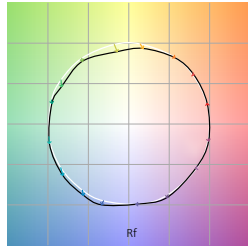
**NOTES:**

- 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

### 3500K ENC/CL

3396 K

CRI: 96.5  
 CRI R9: 94.1  
 TM30 Rf: 90.1  
 TM30 Rg: 98.5  
 CQS: 94.7  
 X: 0.411  
 Y: 0.393  
 U: 0.239  
 V: 0.342  
 Δuv: -0.0003



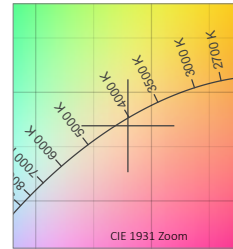
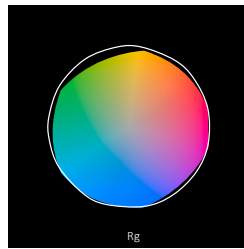
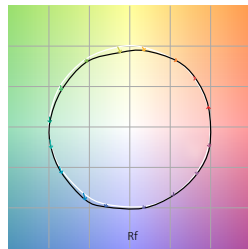
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
96.0	97.2	98.9	96.5	96.1	95.6	95.7	95.7	94.1	96.2	97.5	78.9	95.9	98.3	95.0	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
89.2	95.1	95.2	93.0	92.8	93.4	98.1	98.9	96.6	96.4	97.7	96.9	97.4	96.7	93.5	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.9	95.0	93.8	88.4	87.6	93.5	86.3	92.7	86.9	84.7	88.7	90.6	93.0	92.2	89.3	89.3

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	93	0%	2%
2	95	1%	-1%
3	94	0%	-3%
4	88	-5%	-5%
5	88	-9%	-2%
6	94	-4%	2%
7	86	-5%	6%
8	93	-1%	4%
9	87	1%	8%
10	85	3%	9%
11	89	4%	4%
12	91	5%	-2%
13	93	-1%	-4%
14	92	2%	-4%
15	89	-1%	-1%
16	89	1%	-3%

### 4000K ENC/CL

3969 K

CRI: 96.1  
 CRI R9: 90.8  
 TM30 Rf: 90.1  
 TM30 Rg: 99.1  
 CQS: 94.8  
 X: 0.380  
 Y: 0.369  
 U: 0.228  
 V: 0.332  
 Δuv: -0.0034



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
95.5	96.4	99.1	96.7	95.5	94.5	95.6	95.4	90.8	95.0	98.7	75.5	95.4	98.7	93.3	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
90.9	97.3	92.2	89.9	91.6	94.2	99.2	99.0	98.7	99.7	99.2	99.7	99.5	96.8	94.4	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.3	94.8	95.0	90.3	88.4	94.0	90.2	88.4	84.9	85.2	86.5	92.2	92.2	93.8	88.5	88.4

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	92	0%	2%
2	95	1%	-1%
3	95	0%	-2%
4	90	-4%	-4%
5	88	-7%	-2%
6	94	-4%	1%
7	90	-4%	4%
8	88	-2%	6%
9	85	0%	10%
10	85	2%	8%
11	87	5%	6%
12	92	3%	0%
13	92	2%	-3%
14	94	0%	0%
15	89	1%	-3%
16	88	2%	-3%

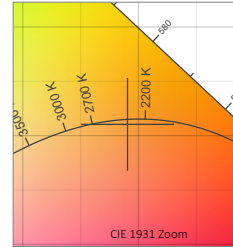
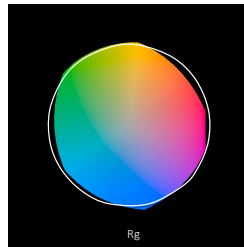
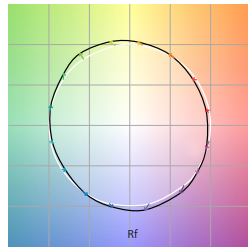
**NOTES:**

- 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

### 2400K ENC/TL

2323 K

CRI: 93.2  
 CRI R9: 66.1  
 TM30 Rf: 89.1  
 TM30 Rg: 103.5  
 CQS: 85.7  
 X: 0.491  
 Y: 0.410  
 U: 0.283  
 V: 0.355  
 Δuv: -0.0015



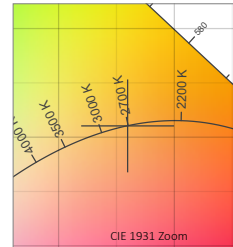
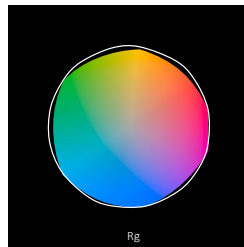
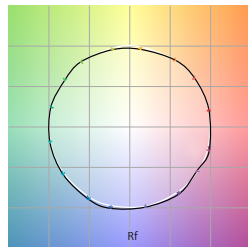
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
94.4	96.4	95.2	93.7	93.4	95.8	92.4	84.1	66.1	89.1	94.3	85.2	95.1	95.7	90.8	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
83.6	91.7	84.2	85.2	87.4	83.8	79.8	84.1	93.3	88.1	87.7	87.7	88.3	85.8	84.6	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	90.7	82.4	88.6	90.4	88.0	87.4	90.4	94.1	91.4	88.5	87.4	88.9	84.0	90.5	86.3

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	91	-4%	-1%
2	91	-3%	3%
3	82	0%	8%
4	89	3%	6%
5	90	6%	5%
6	88	8%	0%
7	87	4%	-6%
8	90	1%	-6%
9	94	-2%	-2%
10	91	-3%	3%
11	89	1%	7%
12	87	3%	5%
13	89	6%	-6%
14	84	5%	-8%
15	90	2%	-6%
16	86	-2%	-9%

### 2700K ENC/TL

2704 K

CRI: 98.1  
 CRI R9: 97.9  
 TM30 Rf: 95.0  
 TM30 Rg: 101.0  
 CQS: 95.4  
 X: 0.460  
 Y: 0.410  
 U: 0.262  
 V: 0.351  
 Δuv: -0.0001



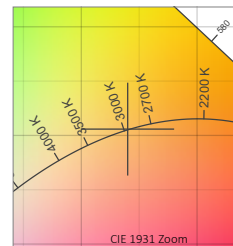
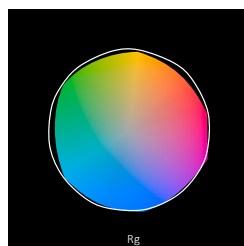
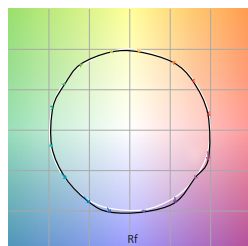
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.7	99.7	95.6	97.4	98.3	98.2	99.5	98.2	97.9	98.6	95.2	88.0	98.0	96.4	98.1	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
93.8	96.4	93.2	94.0	96.1	97.0	95.1	97.2	96.0	96.9	97.2	96.2	96.1	96.3	95.4	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96.8	97.8	96.9	94.3	95.4	96.4	95.2	97.9	95.2	93.0	92.3	93.3	96.1	94.6	94.5	91.6

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	97	0%	0%
2	98	0%	-1%
3	97	0%	0%
4	94	-3%	-2%
5	95	-2%	1%
6	96	1%	2%
7	95	-1%	2%
8	98	1%	1%
9	95	1%	2%
10	93	1%	4%
11	92	3%	5%
12	93	3%	0%
13	96	1%	-2%
14	95	3%	-2%
15	95	-1%	1%
16	92	2%	-6%

### 3000K ENC/TL

2965 K

CRI: 96.4  
 CRI R9: 90.1  
 TM30 Rf: 92.5  
 TM30 Rg: 100.8  
 CQS: 93.2  
 X: 0.440  
 Y: 0.406  
 U: 0.252  
 V: 0.348  
 Δuv: 0.0003



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.7	96.9	93.4	97.4	96.1	94.6	98.7	96.7	90.1	90.5	96.6	77.6	97.4	95.3	97.0	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
95.1	97.5	87.8	88.2	92.5	93.6	91.8	94.9	95.6	94.2	94.8	96.1	96.9	95.8	95.7	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95.3	96.4	93.2	92.6	93.4	95.9	93.0	97.7	93.8	87.4	85.7	89.1	95.5	91.6	94.6	87.6

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-1%	0%
2	96	-1%	0%
3	93	-1%	3%
4	93	-3%	1%
5	93	-1%	2%
6	96	2%	1%
7	93	-1%	1%
8	98	-1%	0%
9	94	-1%	3%
10	87	-1%	7%
11	86	2%	10%
12	89	5%	4%
13	95	3%	0%
14	92	6%	-3%
15	95	0%	-1%
16	88	3%	-9%

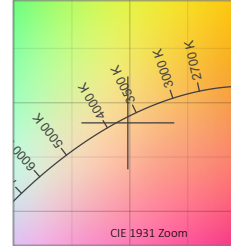
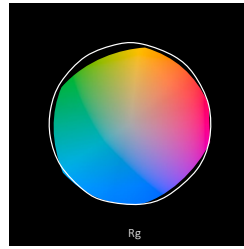
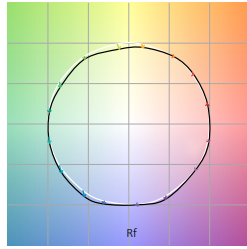
**NOTES:**

- 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

### 3500K ENC/TL

3587 K

CRI: 96.5  
 CRI R9: 91.8  
 TM30 Rf: 91.2  
 TM30 Rg: 99.5  
 CQS: 95.7  
 X: 0.398  
 Y: 0.381  
 U: 0.235  
 V: 0.338  
 Δuv: -0.0025



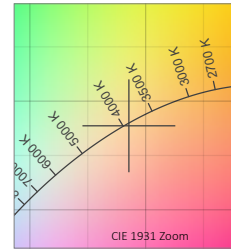
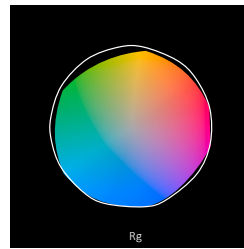
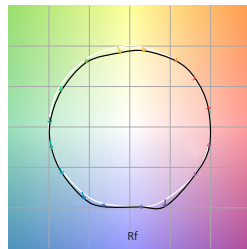
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
95.5	96.8	98.8	97.4	95.9	95.0	96.5	95.9	91.8	95.6	97.5	78.6	95.5	98.3	94.2	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
91.6	97.5	93.6	92.1	93.5	95.6	99.3	99.4	98.8	99.8	99.9	99.2	99.4	96.9	94.8	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.3	95.4	95.1	91.1	89.5	94.7	90.0	92.5	88.5	85.5	87.9	91.9	94.2	92.5	90.0	89.7

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	93	0%	1%
2	95	1%	-1%
3	95	0%	-2%
4	91	-4%	-3%
5	90	-7%	-2%
6	95	-3%	1%
7	90	-4%	5%
8	93	-1%	4%
9	89	1%	7%
10	86	3%	9%
11	88	5%	6%
12	92	4%	0%
13	94	0%	-3%
14	92	3%	-3%
15	90	0%	-1%
16	90	1%	-3%

### 4000K ENC/TL

3872 K

CRI: 96.9  
 CRI R9: 95.7  
 TM30 Rf: 90.2  
 TM30 Rg: 98.8  
 CQS: 95.0  
 X: 0.386  
 Y: 0.377  
 U: 0.228  
 V: 0.335  
 Δuv: -0.0012



R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	
97.1	97.9	98.7	96.7	96.5	96.0	95.9	96.1	95.7	98.0	99.5	75.4	97.1	98.4	95.0	
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	
90.7	96.9	92.7	90.3	91.9	94.0	99.5	99.2	98.8	99.4	99.7	99.4	99.5	97.4	94.9	
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.8	95.6	95.3	90.4	88.3	93.7	90.1	88.6	85.2	85.2	86.4	91.5	93.9	90.7	89.1	88.6

TM30			
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	93	0%	1%
2	96	1%	-1%
3	95	0%	-2%
4	90	-4%	-3%
5	88	-8%	-2%
6	94	-4%	1%
7	90	-5%	4%
8	89	-2%	6%
9	85	0%	10%
10	85	2%	8%
11	86	5%	7%
12	91	4%	0%
13	94	0%	-3%
14	91	7%	-4%
15	89	0%	-2%
16	89	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