

Light efficiency:

38 Lumen/Watt

Light quality:

CRI: 83.5

Color temperature:

2903 K

Output: 1154 lm

Peak: 1688 cd

Power: 30.0 W

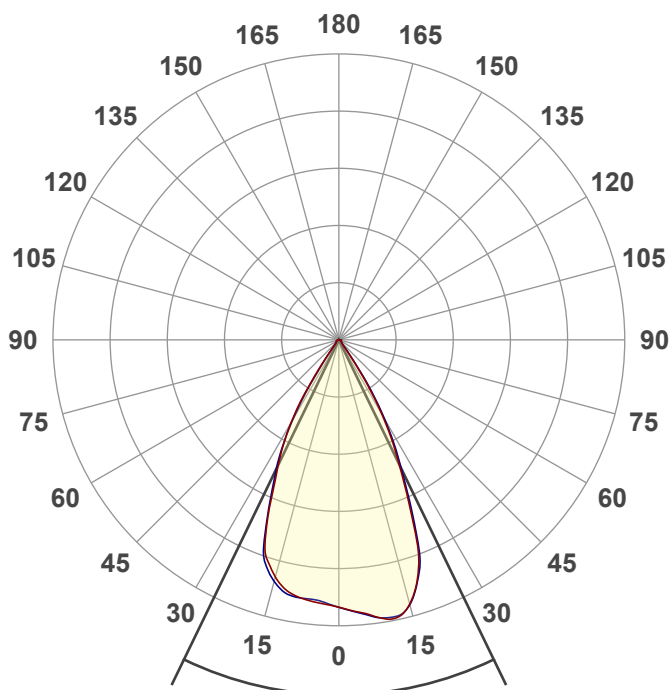
PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-50D-NL-WH

Date and time:

4/8/2022 1:54:37 PM



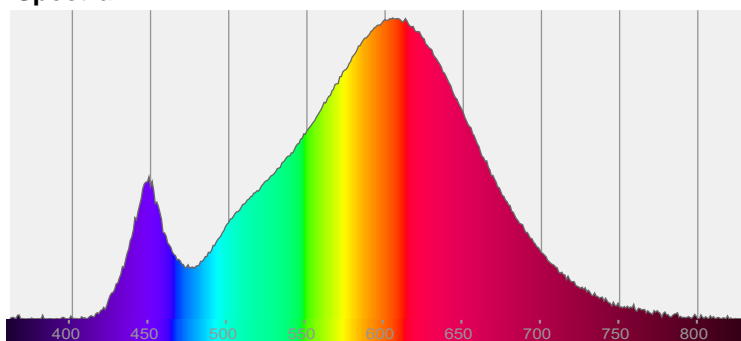
Beam angle

51.7°



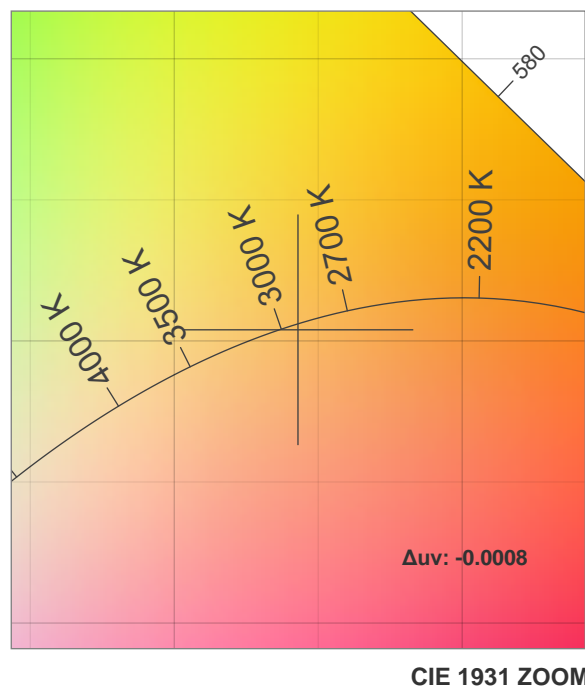
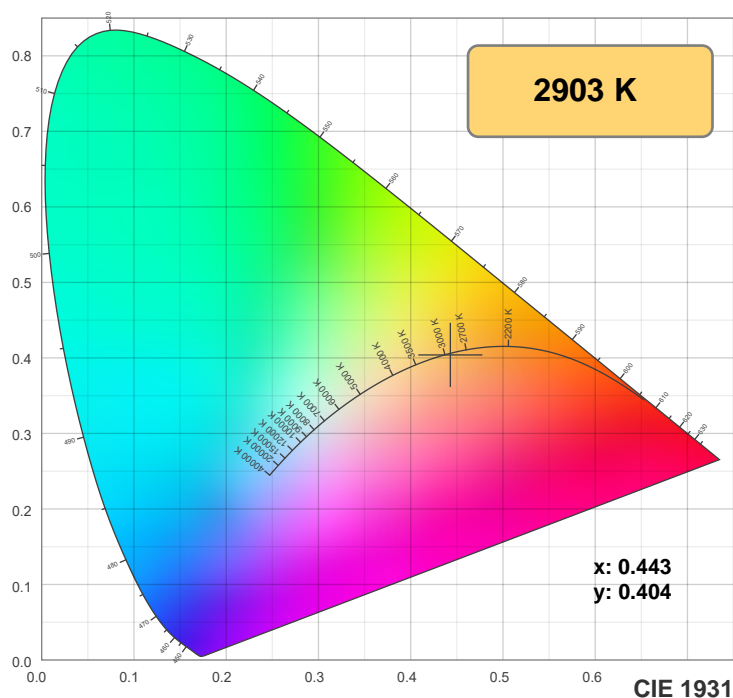
CIE 1931
x: 0.443
y: 0.404

Spectra

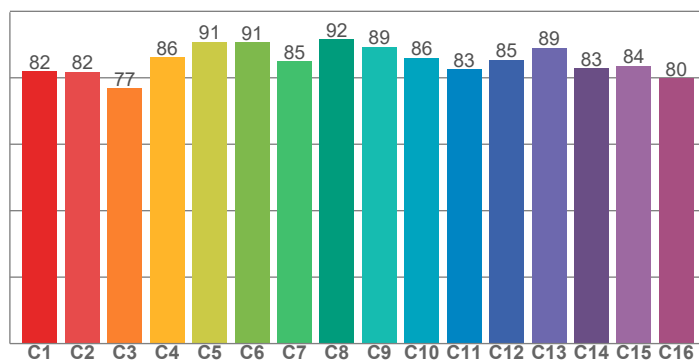


Power

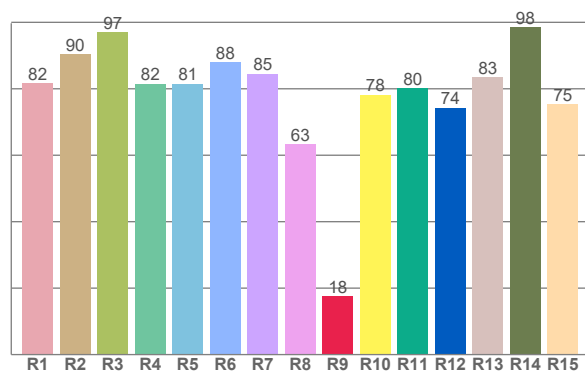
Voltage: 121 V
Current: 0.248 A
Frequency: 0 Hz



TM30: 85.0



CRI: 83.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81.6	90.5	96.9	81.5	81.5	87.9	84.5	63.3	17.7	78.2	80.1	74.3	83.4	98.5	75.4

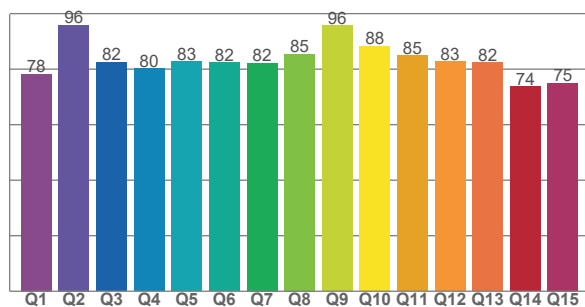
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	81.9	76.8	86.1	90.8	90.7	84.9	91.5	89.3	86.0	82.6	85.4	88.9	82.8	83.5	79.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.3	95.9	82.5	80.2	82.7	82.3	82.1	85.4	95.8	88.2	84.8	82.7	82.4	73.7	75.1

CQS: 82.3



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2903 K	83.5	17.7	85.0	97.8	82.3	0.443	0.404	0.255	0.348	-0.0008

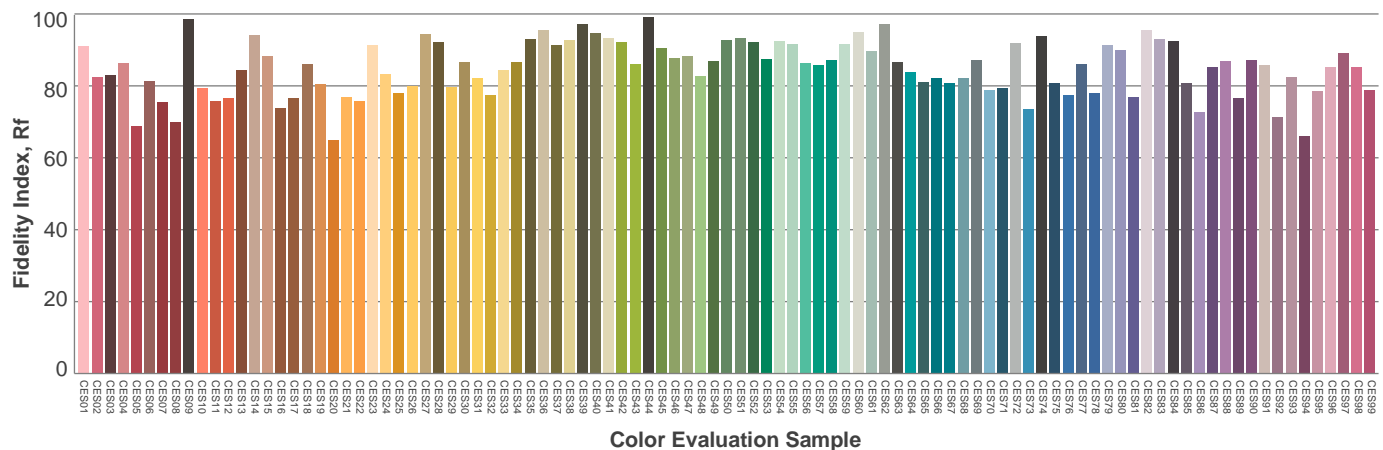
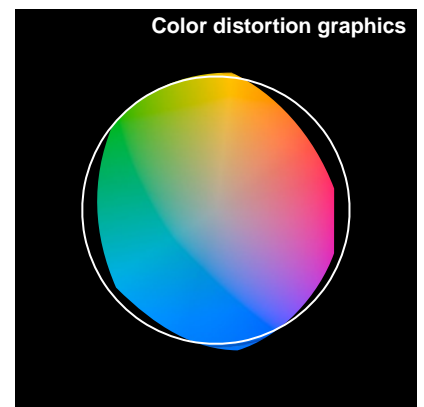
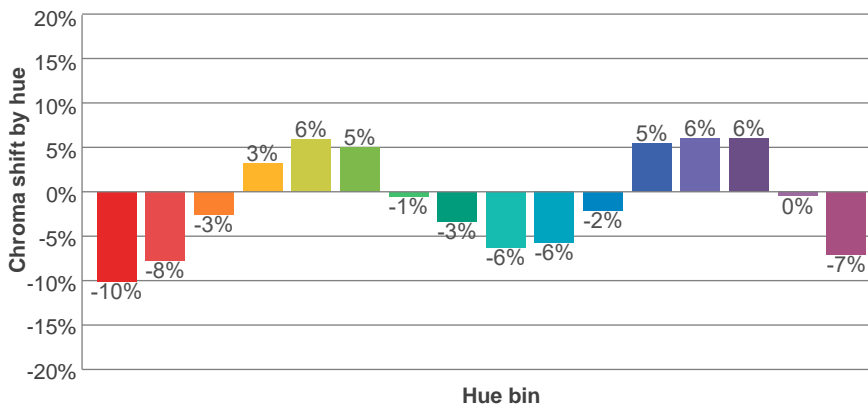
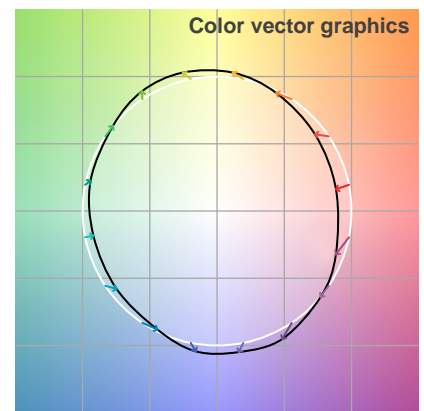
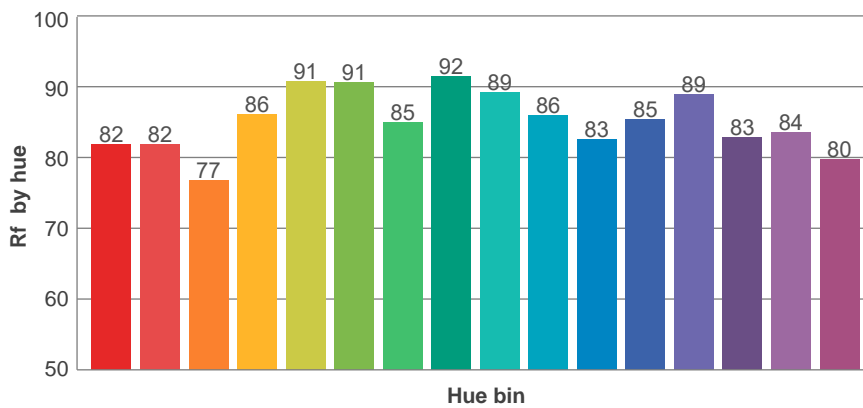
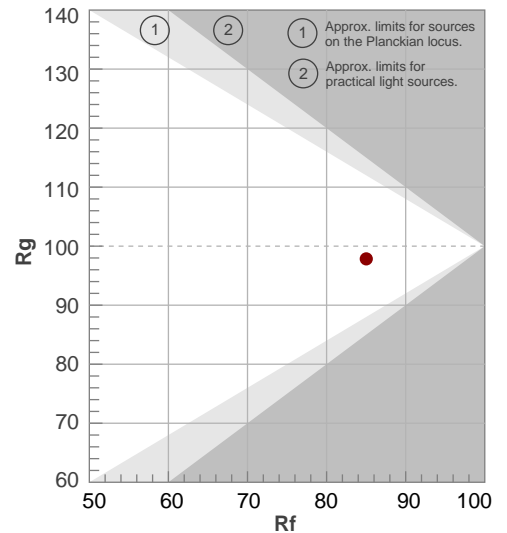
Rf 85.0

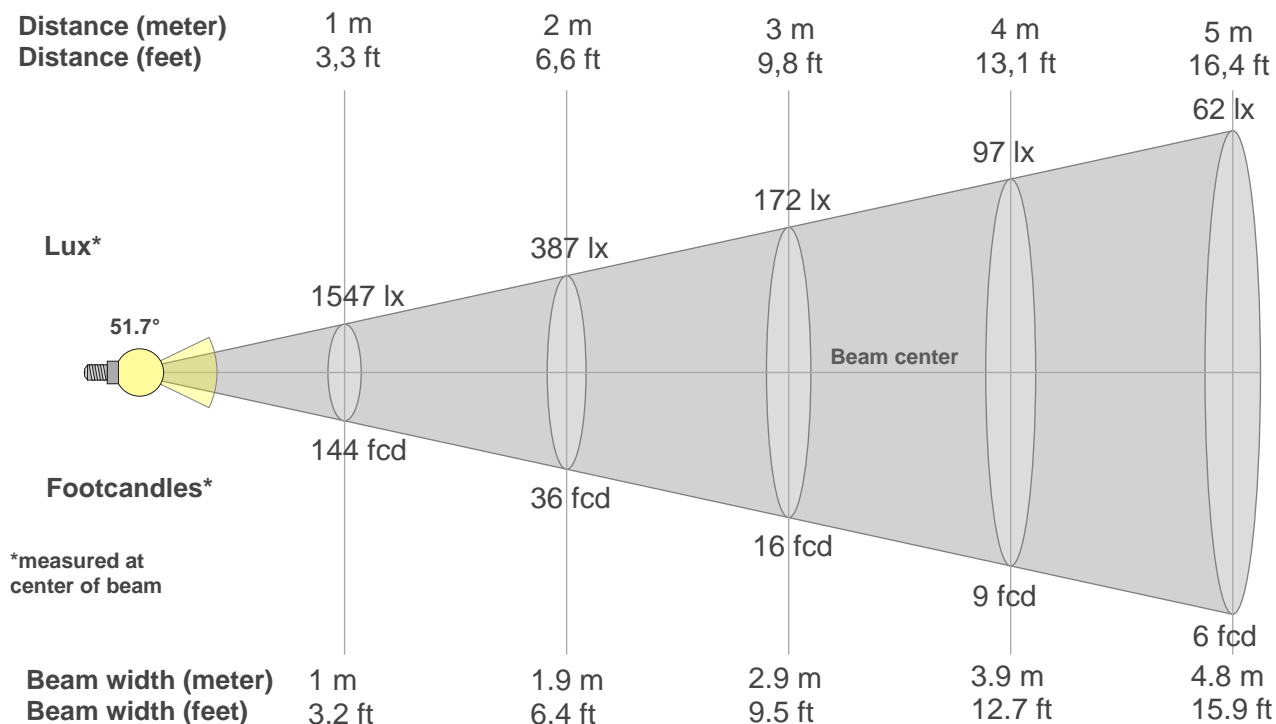
Fidelity index Rf

Rg 97.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	86	3%	9%
5	91	6%	5%
6	91	5%	-3%
7	85	-1%	-10%
8	92	-3%	-4%
9	89	-6%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	84	0%	-10%
16	80	-7%	-14%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
1547lx	387lx	172lx	97lx	62lx	43lx	32lx	24lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
143.7fcd	35.9fcd	16fcd	9fcd	5.7fcd	4fcd	2.9fcd	2.2fcd	1.8fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1547	1562	1578	1595	1620	1638	1635	1605	1546	1463	1342	1158	960	790	648	500	349	206	92	49
100%	101%	102%	103%	105%	106%	106%	104%	100%	95%	87%	75%	62%	51%	42%	32%	23%	13%	6%	3%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1547	1564	1581	1600	1622	1631	1629	1604	1551	1470	1364	1186	993	820	678	530	383	237	113	52
100%	101%	102%	103%	105%	105%	105%	104%	100%	95%	88%	77%	64%	53%	44%	34%	25%	15%	7%	3%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1547	1535	1527	1520	1510	1497	1477	1441	1392	1332	1241	1090	923	797	677	550	409	243	123	60
100%	99%	99%	98%	98%	97%	95%	93%	90%	86%	80%	70%	60%	52%	44%	36%	26%	16%	8%	4%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1547	1531	1515	1510	1508	1506	1496	1464	1420	1361	1266	1103	951	819	684	532	366	204	104	54
100%	99%	98%	98%	98%	97%	97%	95%	92%	88%	82%	71%	61%	53%	44%	34%	24%	13%	7%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51.7°	69.8°	78.5°	97.8%	95.6%