

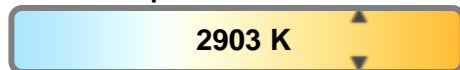
Light efficiency:



Light quality:



Color temperature:



Output: 1079 lm

Peak: 1821 cd

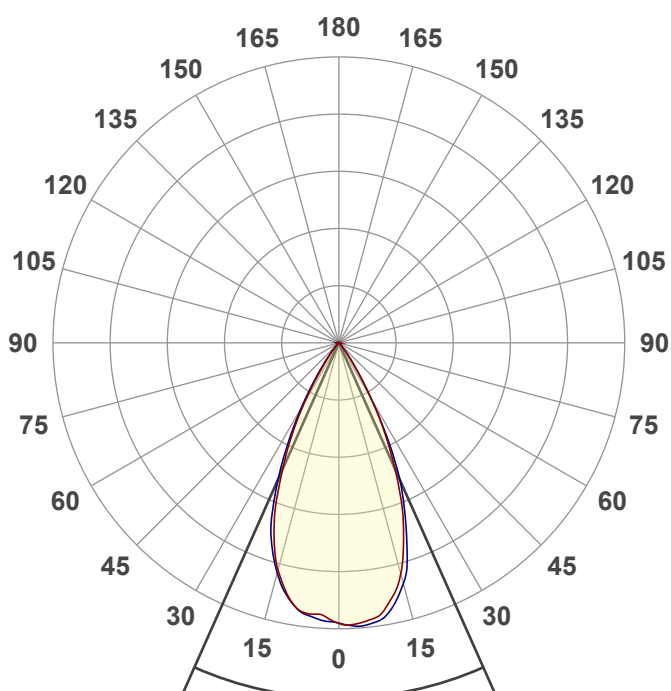
Power: 36.4 W

PF: 0.98



NU3-RA-XTM09-20LM-30K-83-55D-HCL-
NL-WH-WH

Date and time:
6/6/2022 1:54:56 PM



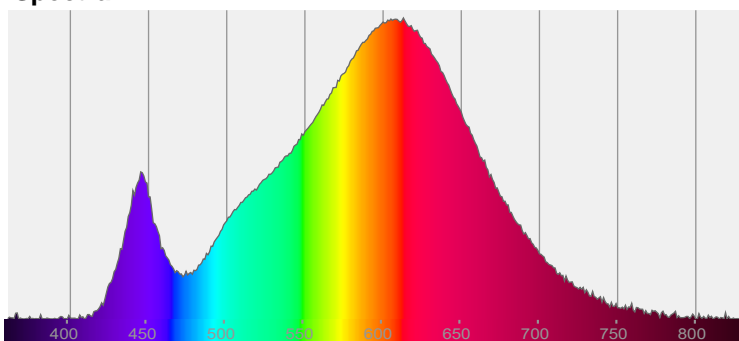
Beam angle

48°

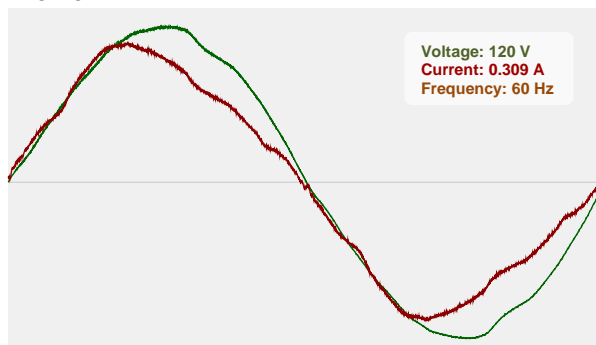


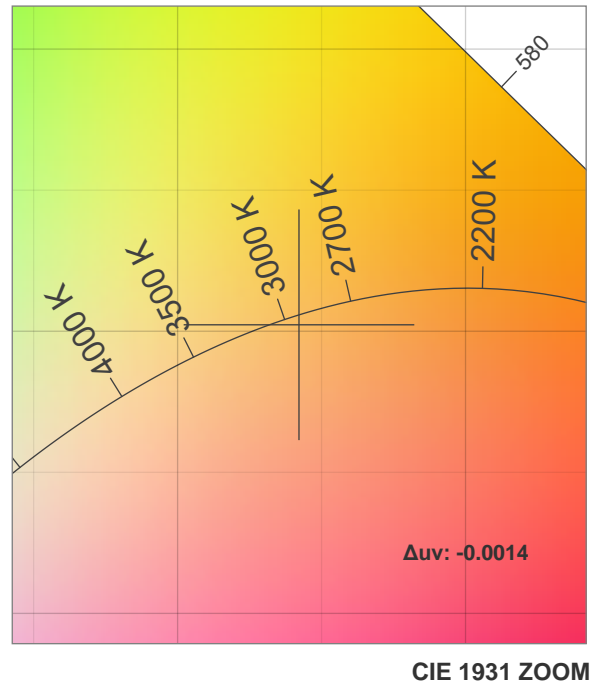
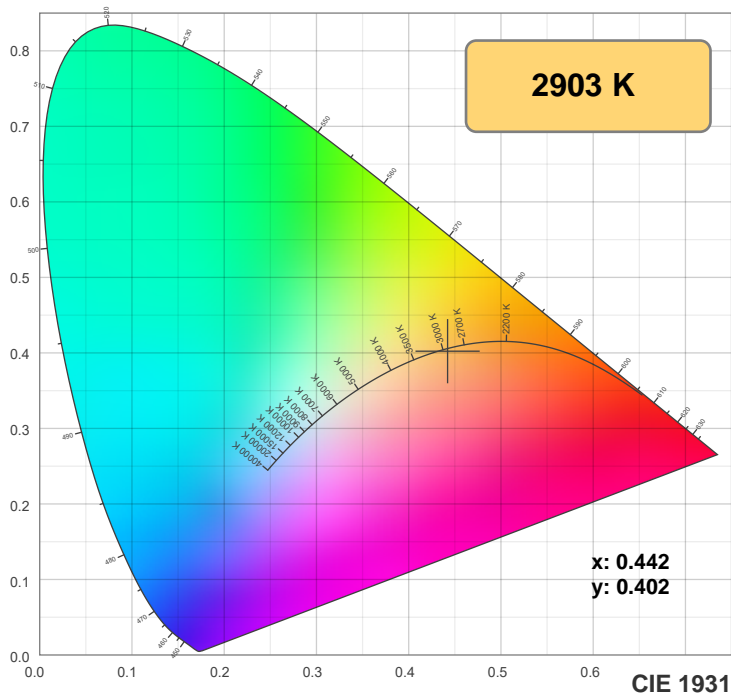
CIE 1931
x: 0.442
y: 0.402

Spectra

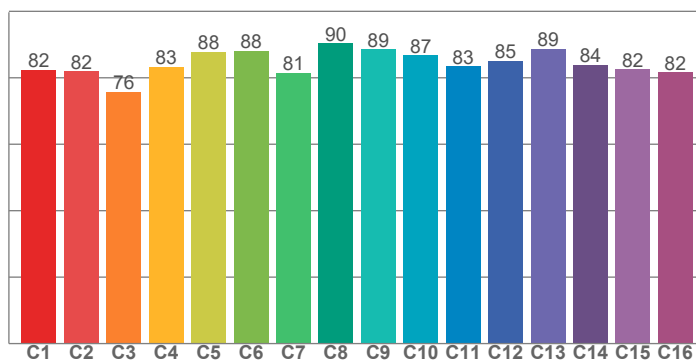


Power

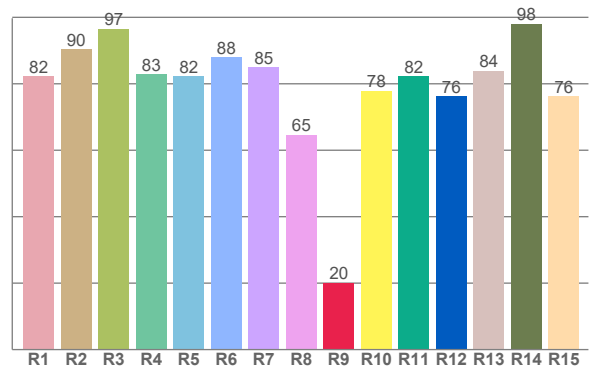




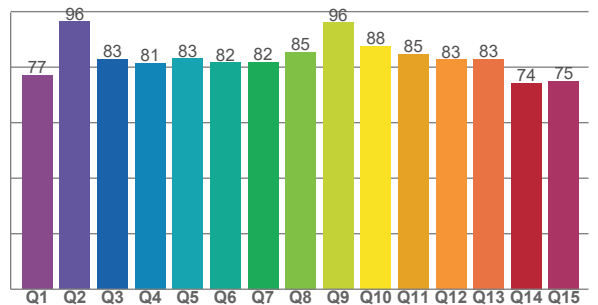
TM30: 84.4



CRI: 84.0 (R1-R8)



CQS: 82.3



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
82.4	90.3	96.6	82.9	82.3	87.9	84.9	64.6	20.1	77.9	82.2	76.2	83.9	98.0	76.2

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
82.3	81.9	75.7	83.3	87.8	88.2	81.5	90.3	88.5	86.8	83.5	85.1	88.8	83.9	82.5	81.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	96.4	82.8	81.5	83.1	81.6	81.8	85.4	96.0	87.6	84.7	82.8	82.9	74.3	75.0

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	84.0	20.1	84.4	99.3	82.3	0.442	0.402	0.255	0.348	-0.0014

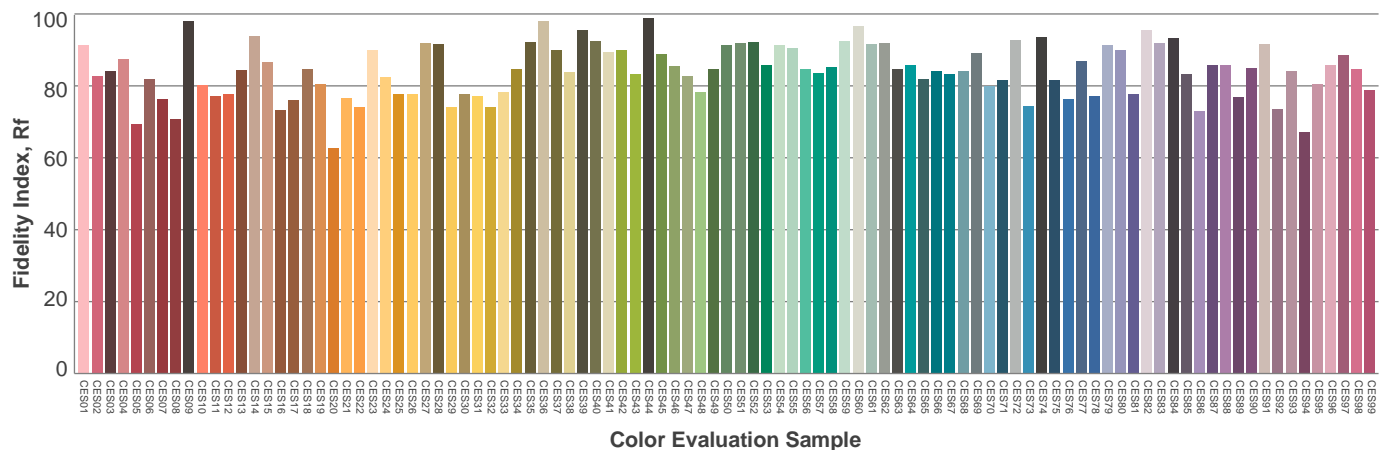
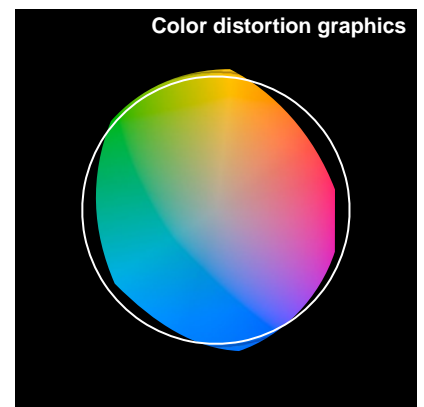
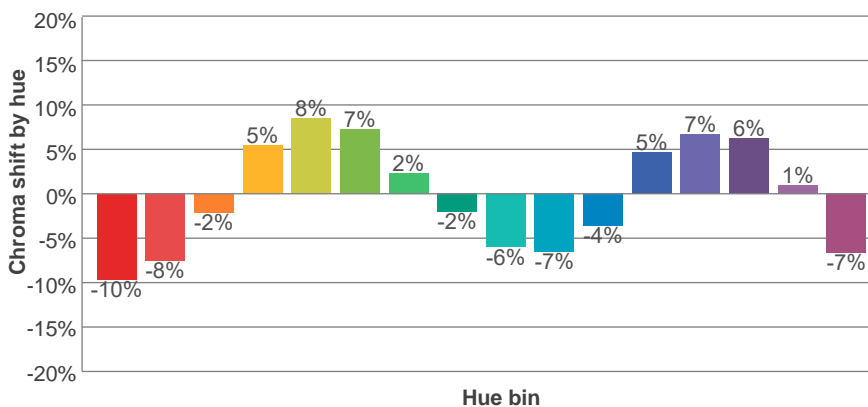
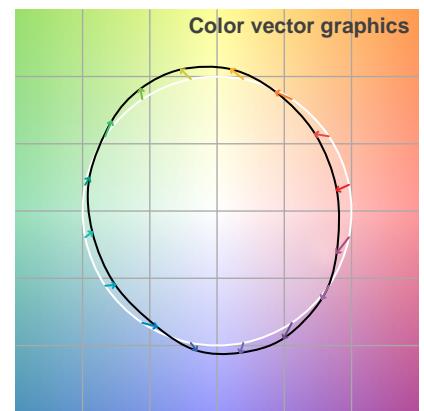
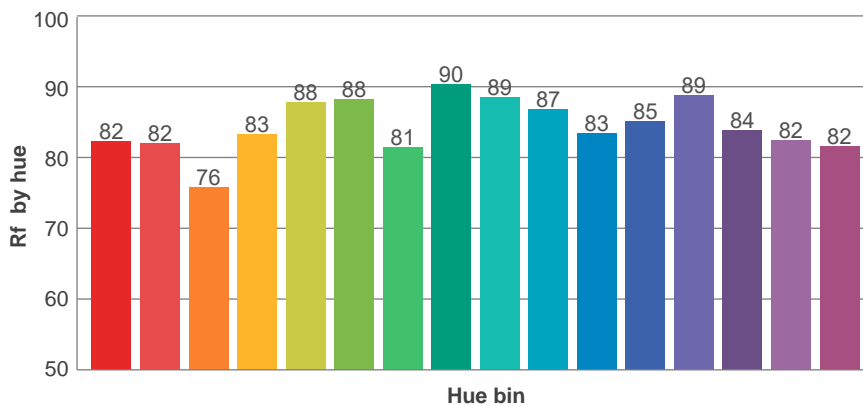
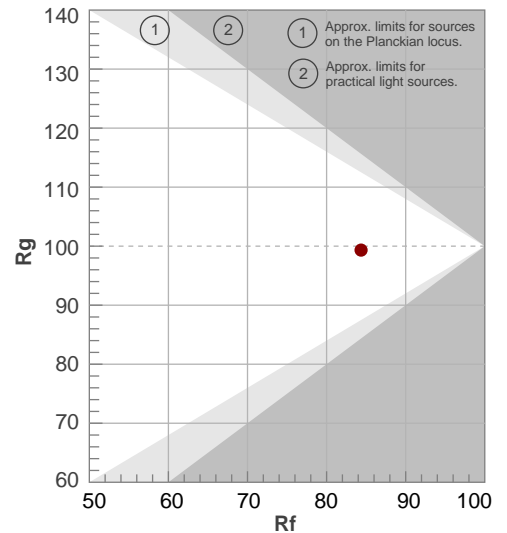
Rf 84.4

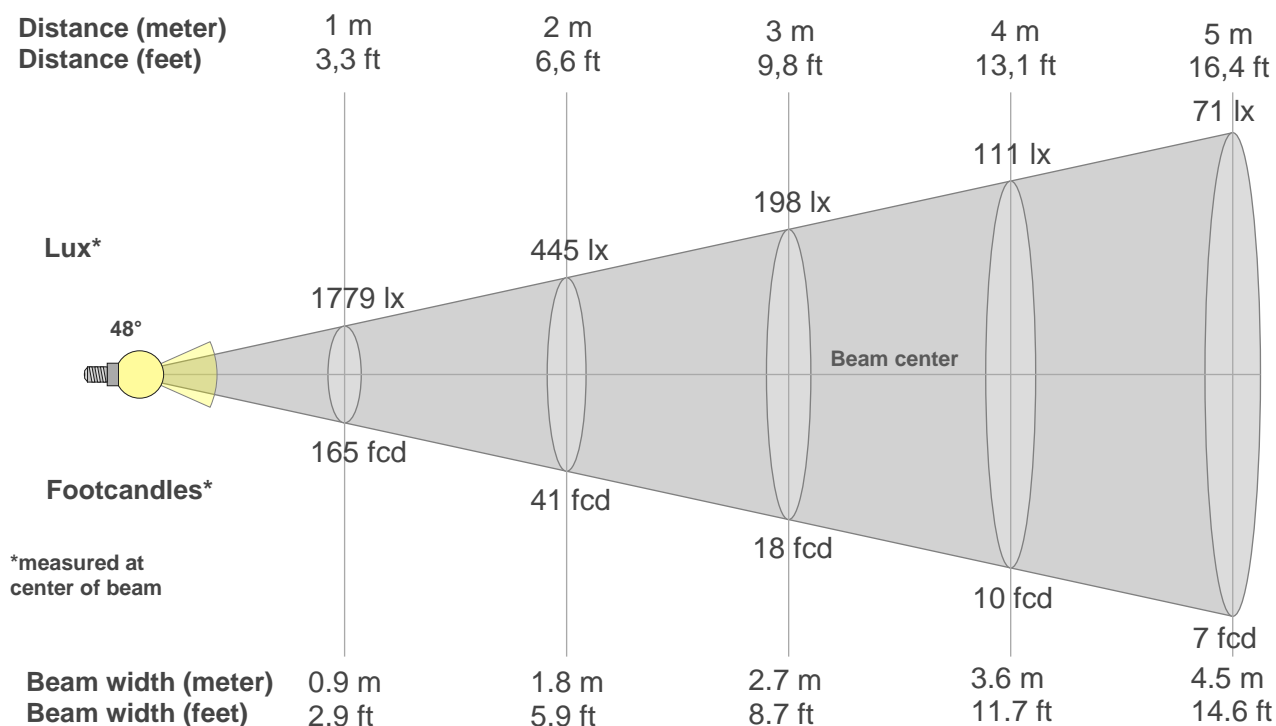
Fidelity index Rf

Rg 99.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	83	5%	10%
5	88	8%	6%
6	88	7%	-3%
7	81	2%	-12%
8	90	-2%	-6%
9	89	-6%	-3%
10	87	-7%	4%
11	83	-4%	10%
12	85	5%	5%
13	89	7%	-4%
14	84	6%	-11%
15	82	1%	-11%
16	82	-7%	-13%





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
1779lx	445lx	198lx	111lx	71lx	49lx	36lx	28lx	22lx	18lx	15lx	12lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
165.3fcd	41.3fcd	18.4fcd	10.3fcd	6.6fcd	4.6fcd	3.4fcd	2.6fcd	2fcd	1.7fcd	1.4fcd	1.1fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.5fcd	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°
1779	1790	1785	1772	1753	1706	1643	1566	1462	1328	1192	1041	878	718	568	419	292	193	123	72
100%	101%	100%	100%	99%	96%	92%	88%	82%	75%	67%	59%	49%	40%	32%	24%	16%	11%	7%	4%

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°
1779	1794	1803	1796	1781	1750	1694	1621	1533	1401	1249	1100	953	773	589	422	283	175	110	65
100%	101%	101%	101%	100%	98%	95%	91%	86%	79%	70%	62%	54%	43%	33%	24%	16%	10%	6%	4%

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°
1779	1755	1729	1731	1718	1677	1613	1533	1446	1326	1195	1042	879	730	581	436	304	197	124	74
100%	99%	97%	97%	97%	94%	91%	86%	81%	75%	67%	59%	49%	41%	33%	24%	17%	11%	7%	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°
1779	1771	1761	1744	1726	1681	1625	1553	1466	1370	1258	1109	948	786	627	478	348	239	154	98
100%	100%	99%	98%	97%	95%	91%	87%	82%	77%	71%	62%	53%	44%	35%	27%	20%	13%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48°	68.7°	79.8°	99.7%	99.2%