

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 92.5

Color temperature:

2488 K

Output: 2452 lm

Peak: 9930 cd

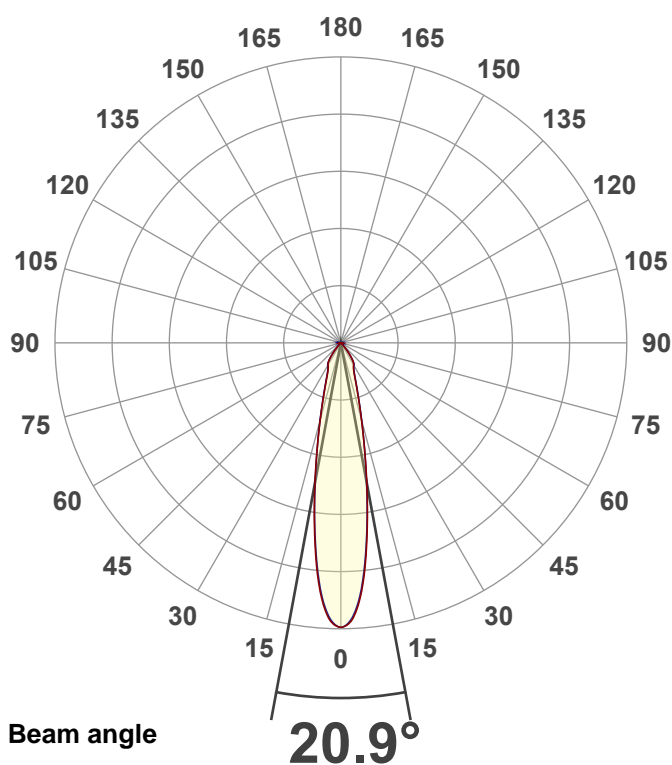
Power: 34.4 W

PF: 0.98



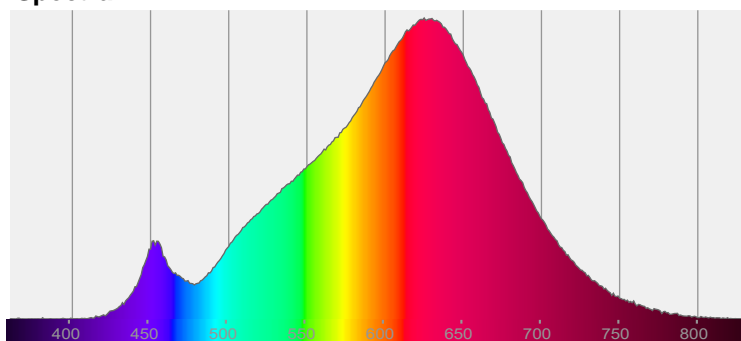
NU3-RD-SW-25LM-24K-90-20D-NL-WH-WH

Date and time:
11/8/2024 1:55:47 PM

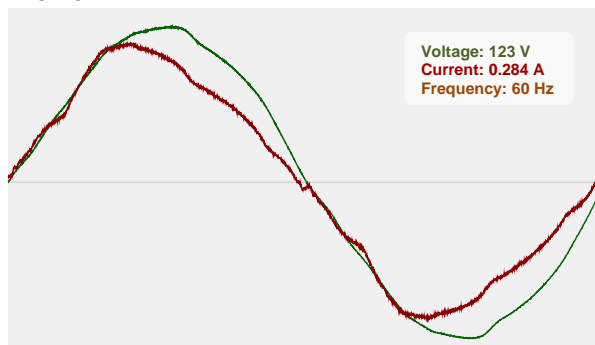


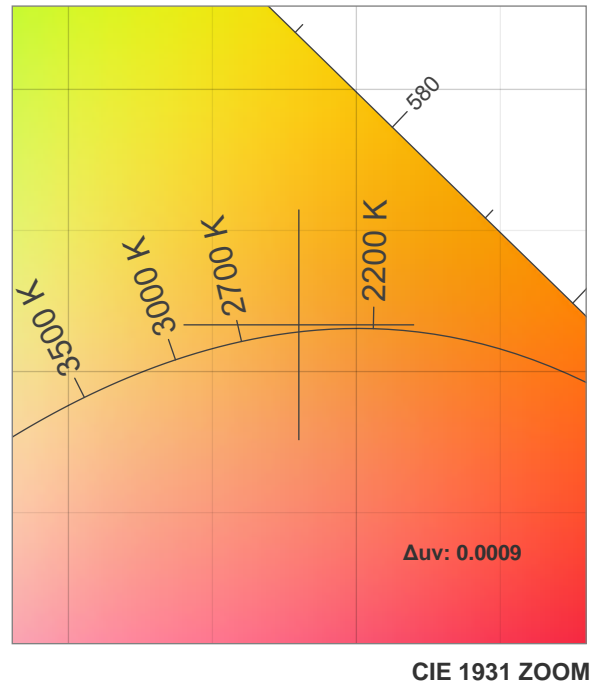
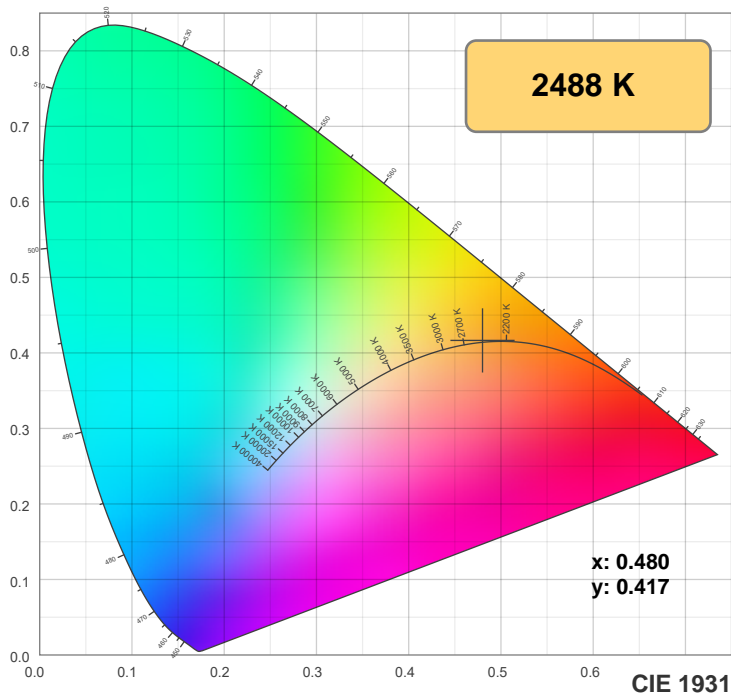
CIE 1931
x: 0.480
y: 0.417

Spectra

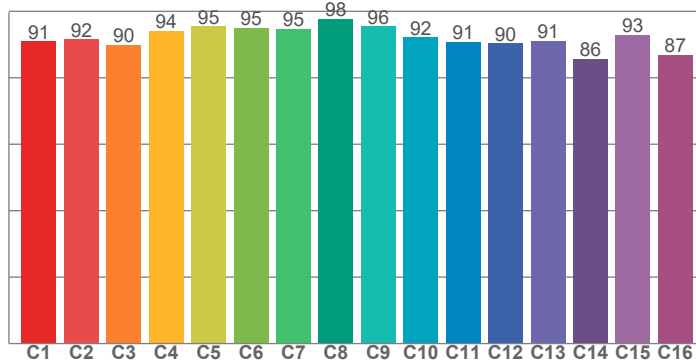


Power

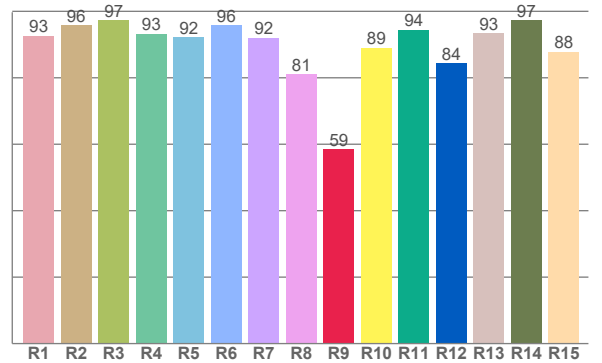




TM30: 92.2



CRI: 92.5 (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
92.6	95.8	97.3	93.3	92.1	95.8	92.0	81.1	58.5	89.0	94.5	84.4	93.4	97.4	87.8

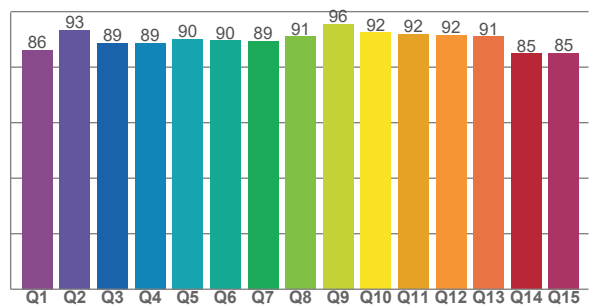
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	91.5	89.9	94.1	95.4	95.1	94.7	97.6	95.5	92.2	90.7	90.4	91.1	85.7	92.9	86.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.1	93.3	88.7	88.7	90.2	89.5	89.4	91.1	95.5	92.5	91.8	91.6	91.1	84.8	85.2

CQS: 89.3



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
2488 K	92.5	58.5	92.2	99.6	89.3	0.480	0.417	0.273	0.355	0.0009

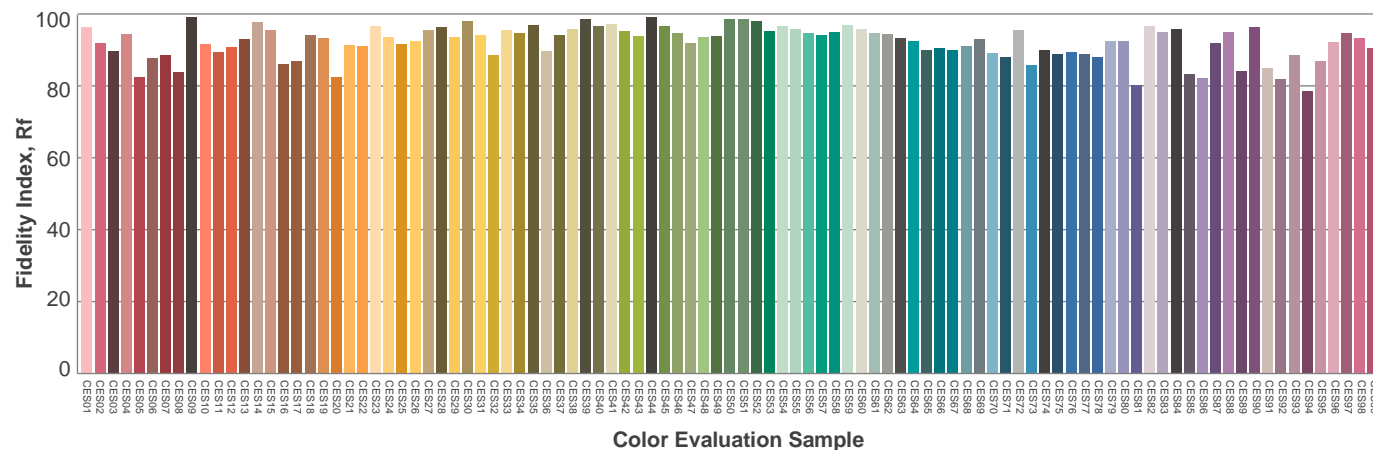
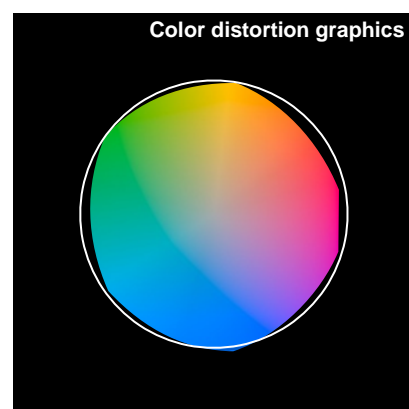
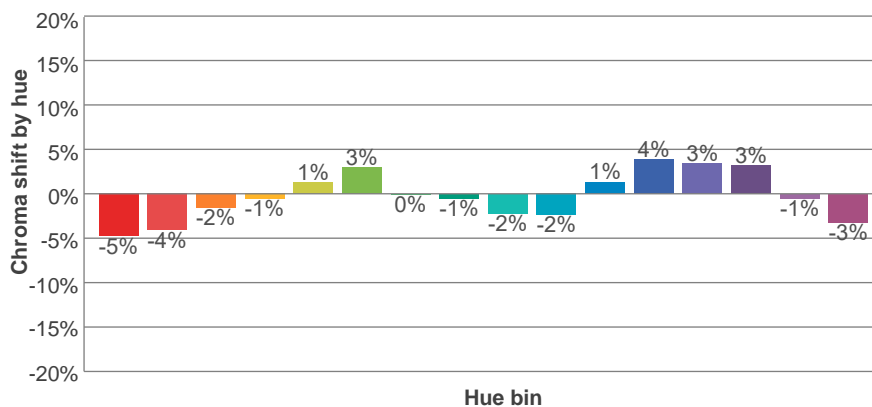
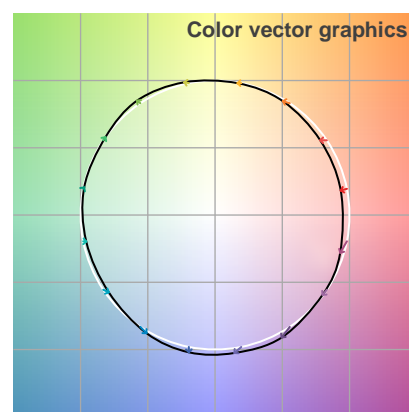
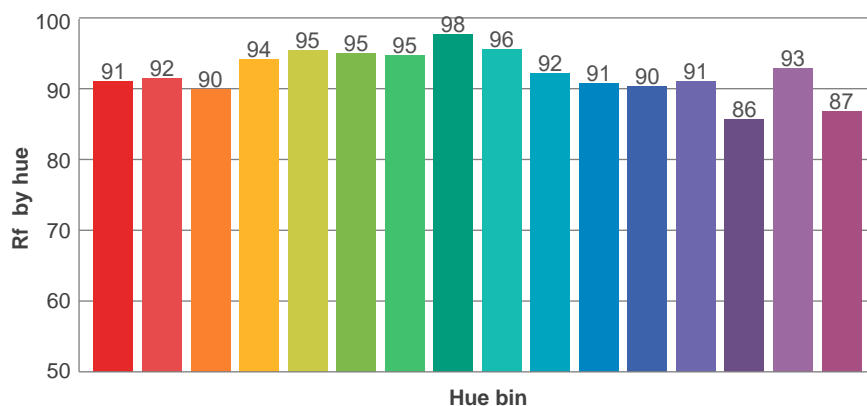
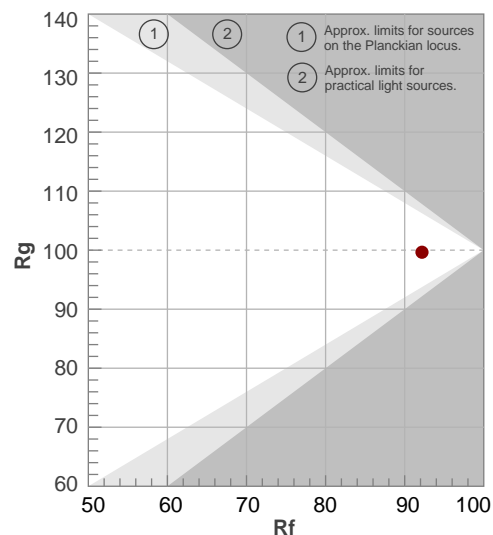
Rf 92.2

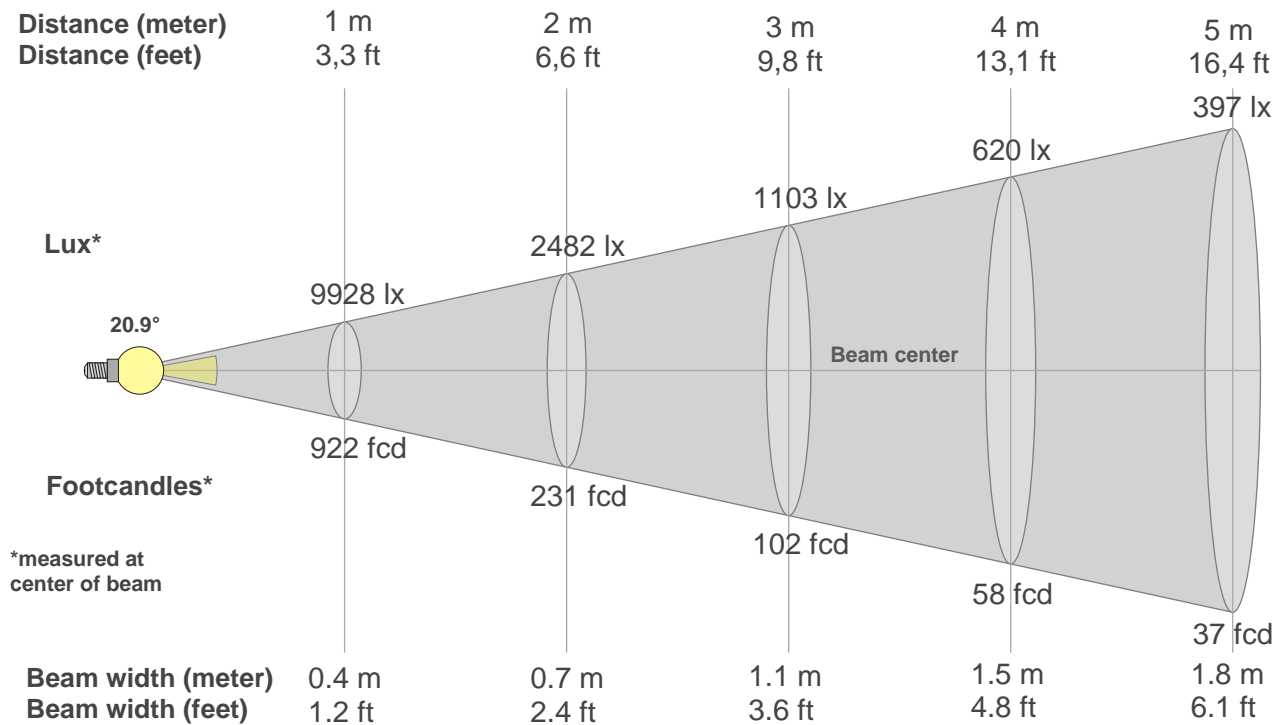
Fidelity index Rf

Rg 99.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	92	-4%	3%
3	90	-2%	5%
4	94	-1%	3%
5	95	1%	3%
6	95	3%	1%
7	95	0%	-3%
8	98	-1%	-1%
9	96	-2%	1%
10	92	-2%	4%
11	91	1%	6%
12	90	4%	1%
13	91	3%	-6%
14	86	3%	-9%
15	93	-1%	-5%
16	87	-3%	-9%





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
9928lx	2482lx	1103lx	620lx	397lx	276lx	203lx	155lx	123lx	99lx	82lx	69lx	59lx	51lx	44lx	39lx	34lx	31lx	28lx	25lx
922.3fcd	230.6fcd	102.5fcd	57.6fcd	36.9fcd	25.6fcd	18.8fcd	14.4fcd	11.4fcd	9.2fcd	7.6fcd	6.4fcd	5.5fcd	4.7fcd	4.1fcd	3.6fcd	3.2fcd	2.8fcd	2.6fcd	2.3fcd

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°
9928	9736	9076	7973	6610	5284	4110	3176	2465	1949	1577	1311	1127	1011	938	889	840	734	586	420
100%	98%	91%	80%	67%	53%	41%	32%	25%	20%	16%	13%	11%	10%	9%	9%	8%	7%	6%	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°
9928	9684	8993	7870	6532	5218	4073	3176	2487	1977	1610	1343	1156	1035	960	910	857	738	583	421
100%	98%	91%	79%	66%	53%	41%	32%	25%	20%	16%	14%	12%	10%	10%	9%	9%	7%	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°
9928	9736	9076	7973	6610	5284	4110	3176	2465	1949	1577	1311	1127	1011	938	889	840	734	586	420
100%	98%	91%	80%	67%	53%	41%	32%	25%	20%	16%	13%	11%	10%	9%	9%	8%	7%	6%	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°
9928	9684	8993	7870	6532	5218	4073	3176	2487	1977	1610	1343	1156	1035	960	910	857	738	583	421
100%	98%	91%	79%	66%	53%	41%	32%	25%	20%	16%	14%	12%	10%	10%	9%	9%	7%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20.9°	53.3°	80.4°	99.8%	99.7%