

Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 92.0

Color temperature:

3019 K

Output: 851 lm

Peak: 4406 cd

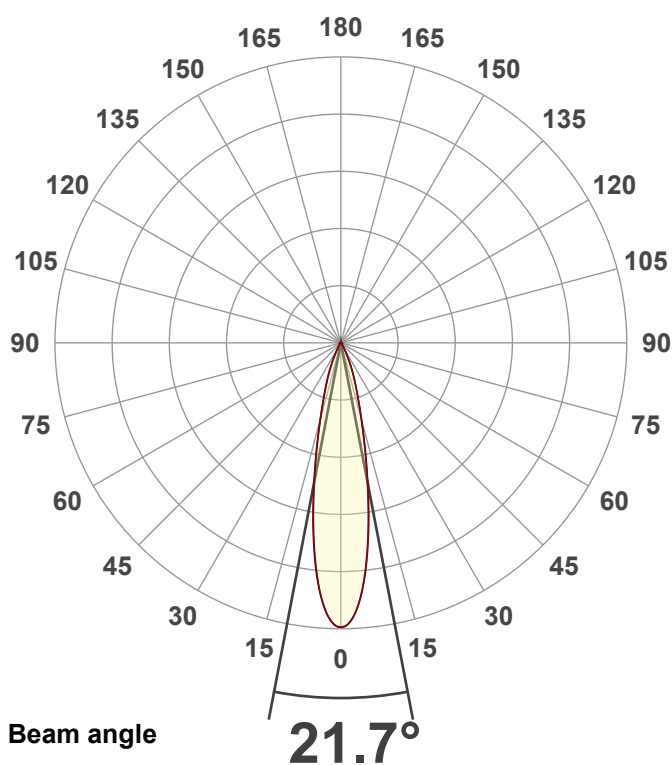
Power: 13.8 W

PF: 0.96



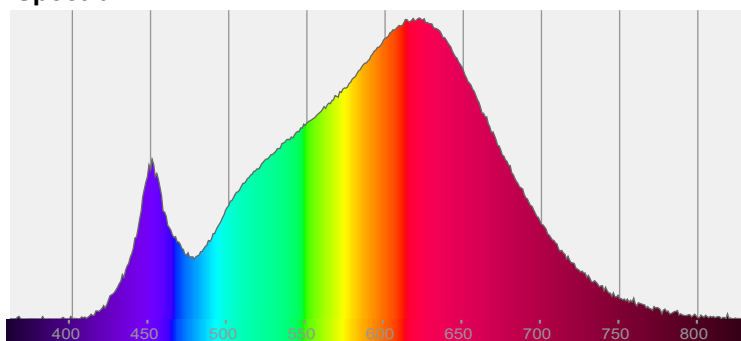
NU1-RA-SW-13LM-30K-90-22D-SBLA-
NL-WH-WH

Date and time:
12/19/2024 1:08:10 PM

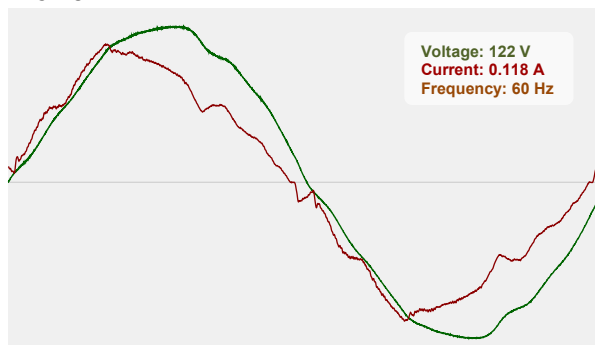


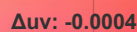
CIE 1931
x: 0.435
y: 0.402

Spectra



Power





CIE 1931 ZOOM

TM30: 91.4



CRI: 92.0 (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
92.1	95.1	96.8	92.6	91.7	93.9	92.2	81.5	57.3	87.9	93.2	81.8	92.8	97.6	88.1

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
90.7	91.5	88.1	92.9	94.1	94.2	93.0	96.7	94.9	91.3	88.4	89.7	92.5	88.5	89.0	86.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.0	96.7	87.6	88.2	90.9	90.5	89.9	92.0	97.4	92.7	92.0	91.6	91.6	86.1	86.5

CQS: 90.1



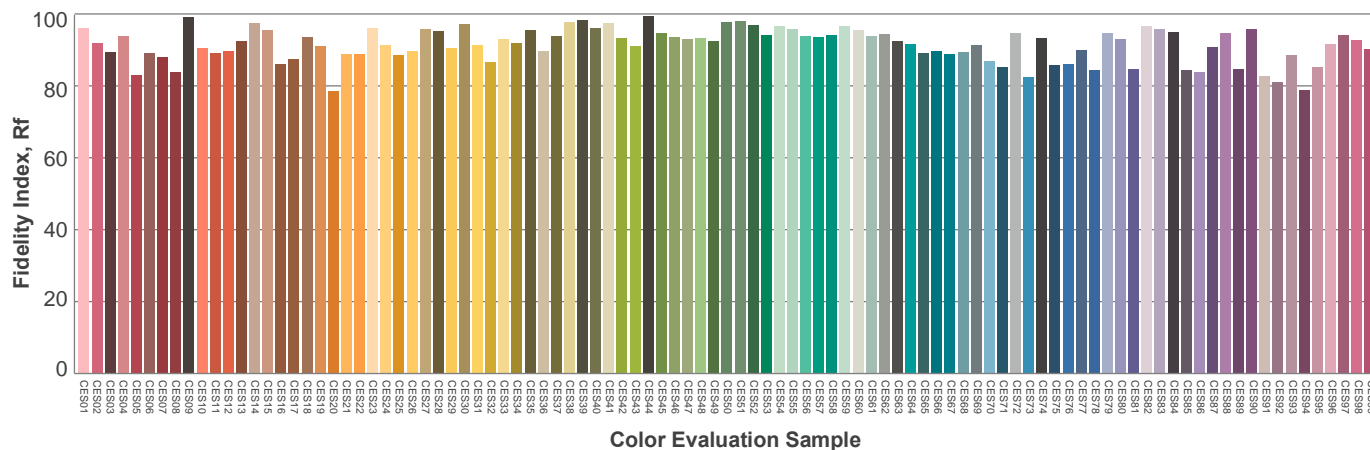
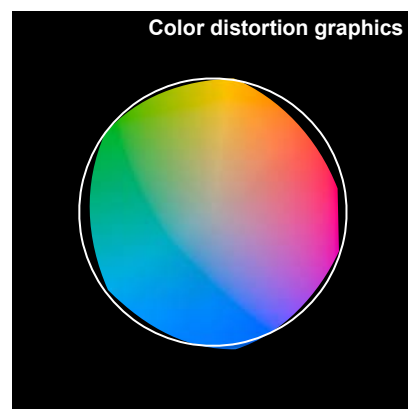
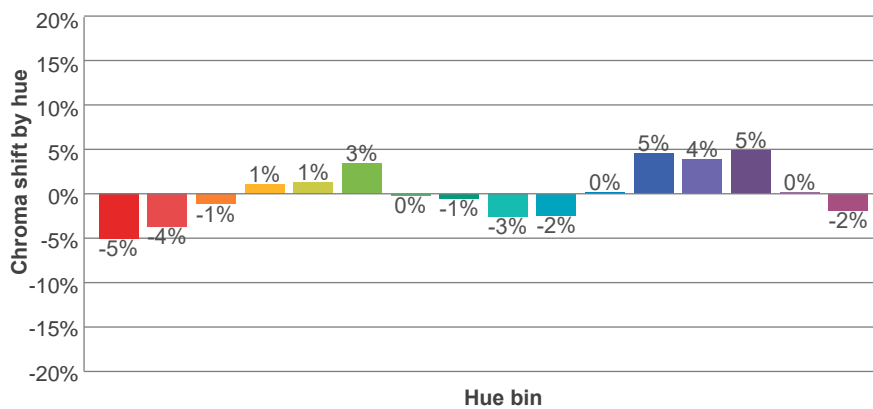
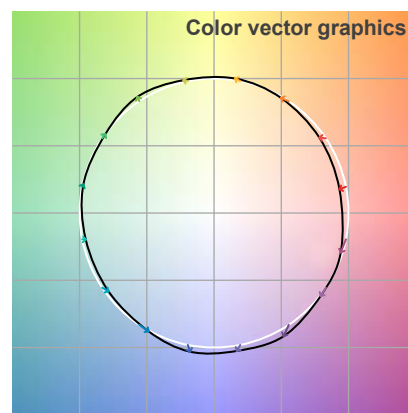
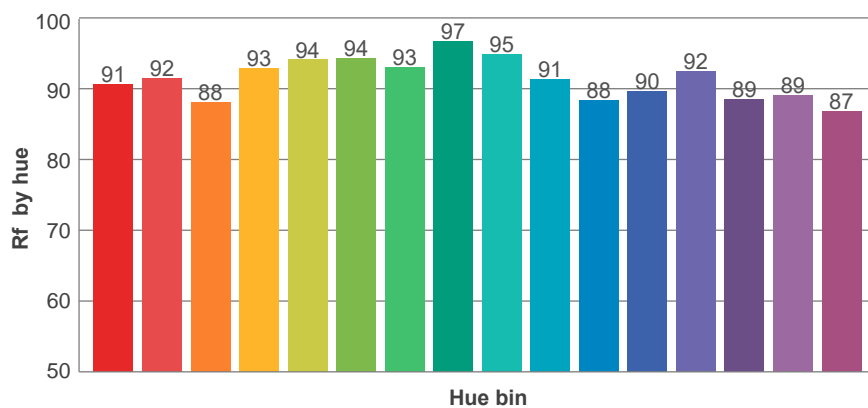
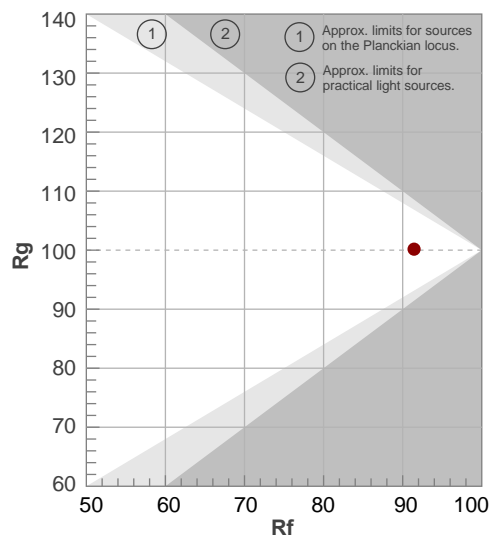
Color parameters

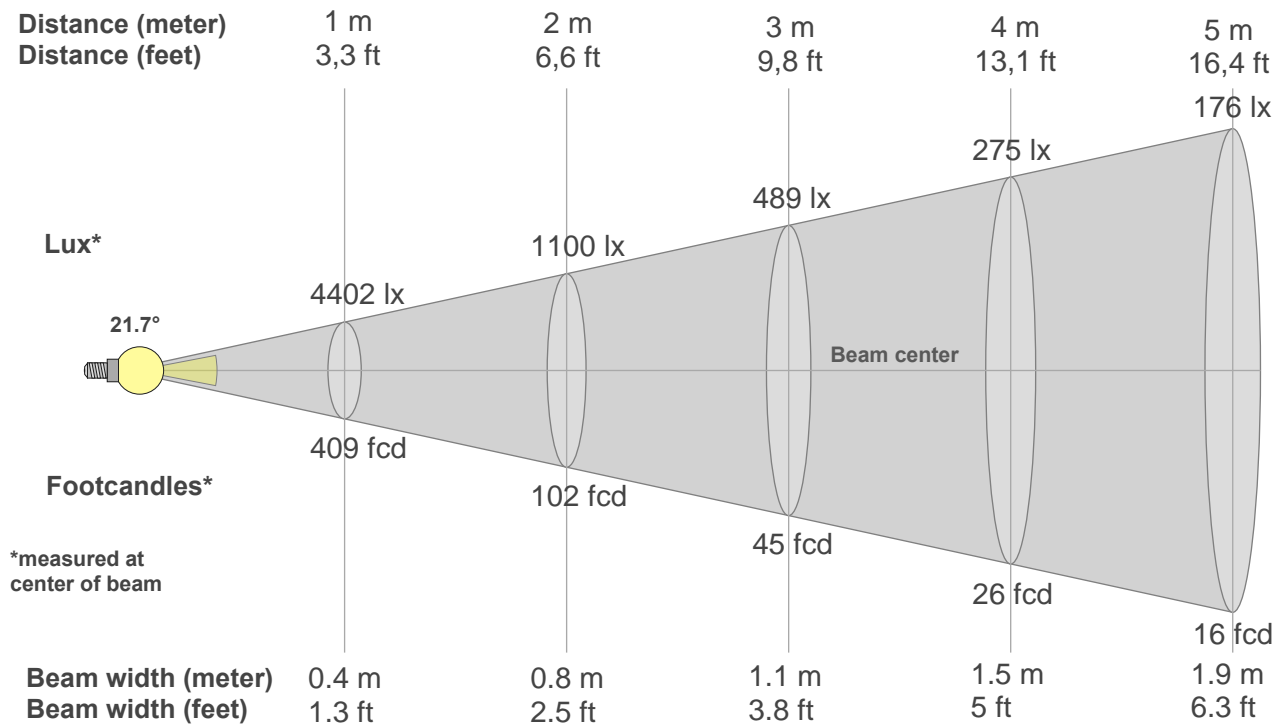
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3019 K	92.0	57.3	91.4	100.2	90.1	0.435	0.402	0.250	0.347	-0.0004

Fidelity index R_f

Gammut index Rg

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	91	-5%	-1%
2	92	-4%	3%
3	88	-1%	6%
4	93	1%	4%
5	94	1%	3%
6	94	3%	-1%
7	93	0%	-4%
8	97	-1%	-2%
9	95	-3%	1%
10	91	-2%	5%
11	88	0%	8%
12	90	5%	3%
13	92	4%	-3%
14	89	5%	-8%
15	89	0%	-7%
16	87	-2%	-10%





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
4402lx	1100lx	489lx	275lx	176lx	122lx	90lx	69lx	54lx	44lx	36lx	31lx	26lx	22lx	20lx	17lx	15lx	14lx	12lx	11lx
408.9fc	102.2fc	45.4fc	25.6fc	16.4fc	11.4fc	8.3fc	6.4fc	5fc	4.1fc	3.4fc	2.8fc	2.4fc	2.1fc	1.8fc	1.6fc	1.4fc	1.3fc	1.1fc	1fc

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°
4402	4309	4032	3598	3051	2462	1911	1443	1083	822	633	480	341	223	143	93	63	48	38	32
100%	98%	92%	82%	69%	56%	43%	33%	25%	19%	14%	11%	8%	5%	3%	2%	1%	1%	1%	1%

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°
4402	4306	4023	3573	3013	2418	1870	1409	1055	800	615	463	326	212	136	87	58	44	37	30
100%	98%	91%	81%	68%	55%	42%	32%	24%	18%	14%	11%	7%	5%	3%	2%	1%	1%	1%	1%

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°
4402	4309	4032	3598	3051	2462	1911	1443	1083	822	633	480	341	223	143	93	63	48	38	32
100%	98%	92%	82%	69%	56%	43%	33%	25%	19%	14%	11%	8%	5%	3%	2%	1%	1%	1%	1%

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°
4402	4306	4023	3573	3013	2418	1870	1409	1055	800	615	463	326	212	136	87	58	44	37	30
100%	98%	91%	81%	68%	55%	42%	32%	24%	18%	14%	11%	7%	5%	3%	2%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
21.7°	44.8°	58.1°	99.7%	98.4%