

Light efficiency:

55 Lumen/Watt

Light quality:

CRI: 93.1

Color temperature:

3001 K

Output: 842 lm

Peak: 4101 cd

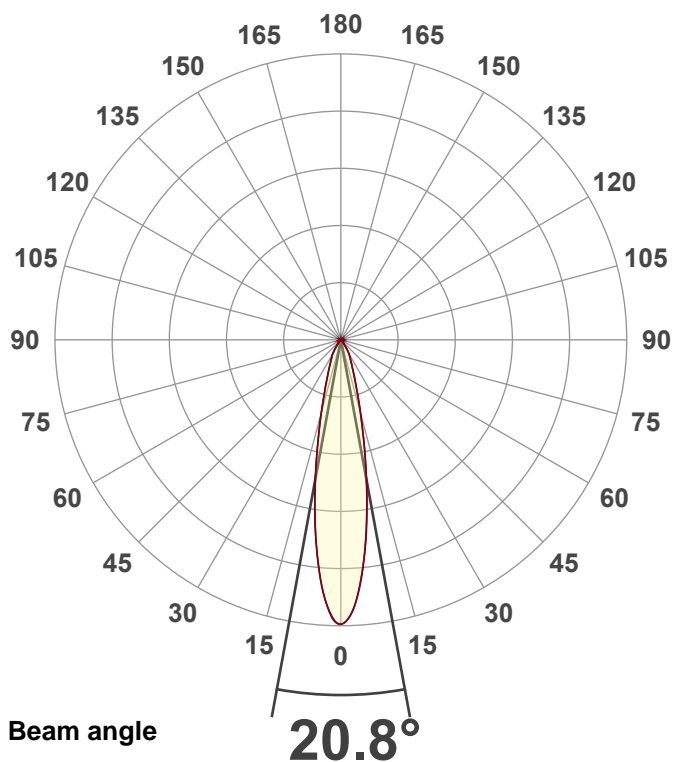
Power: 15.4 W

PF: 0.97



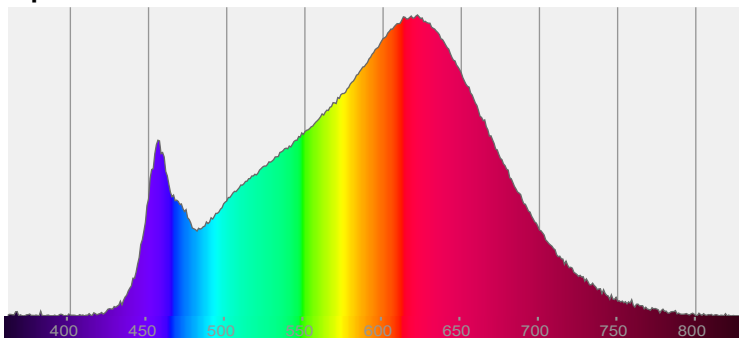
NU4-RD-TW-10LM-2765-95-20D-HCL-WH-WH

Date and time:
3/30/2023 3:26:31 PM

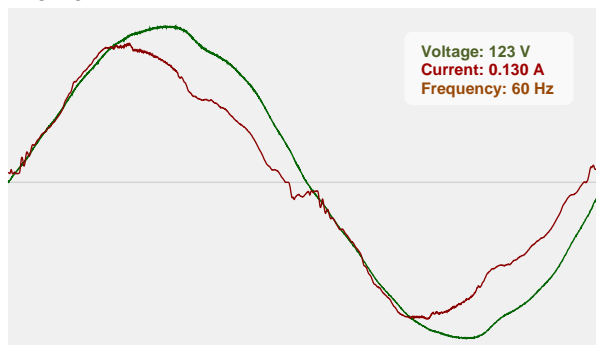


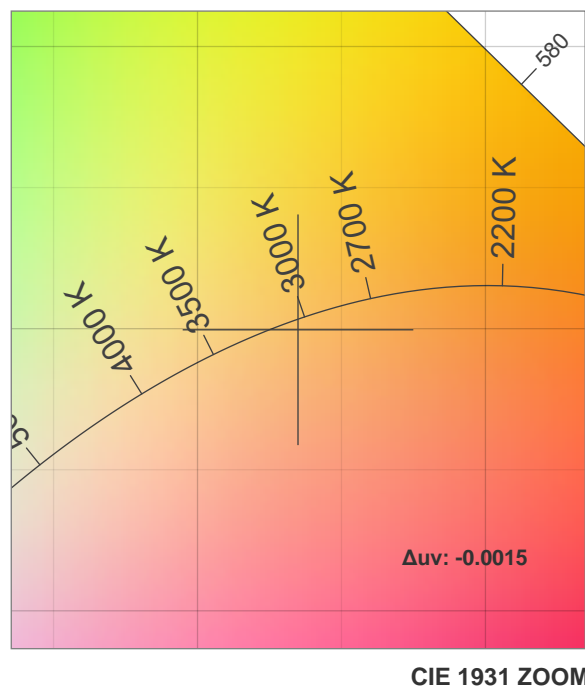
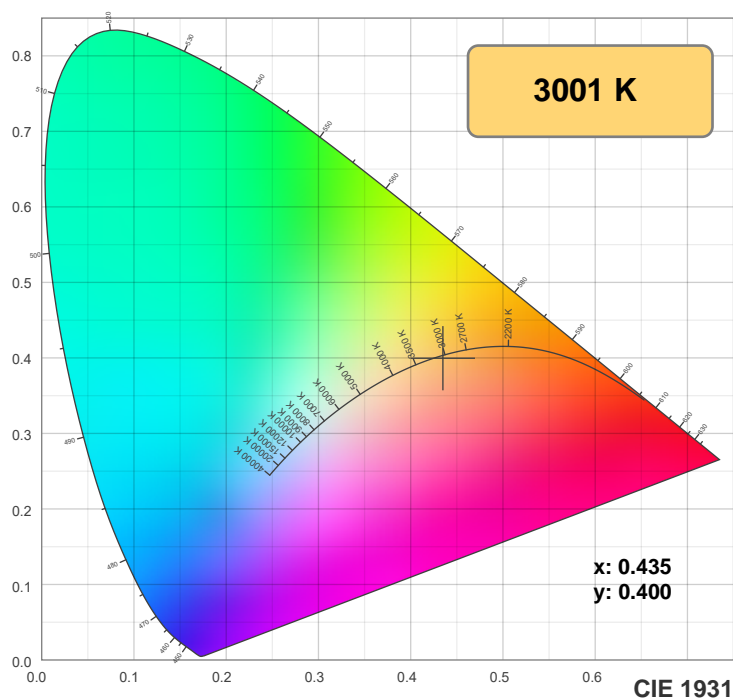
CIE 1931
x: 0.435
y: 0.400

Spectra

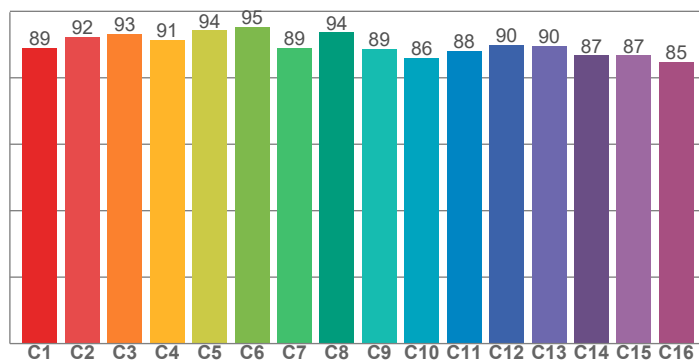


Power

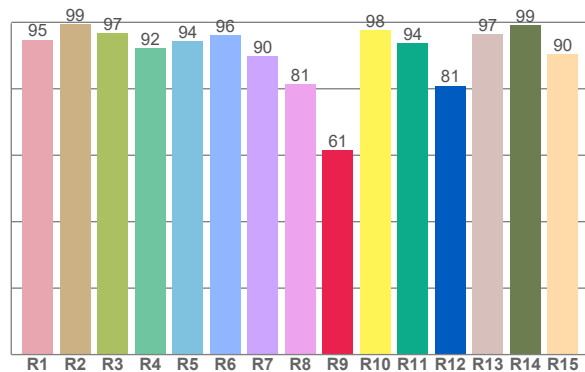




TM30: 90.1



CRI: 93.1 (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
94.7	99.4	96.7	92.2	94.3	96.1	89.8	81.3	61.4	97.7	93.7	80.9	96.5	99.2	90.5

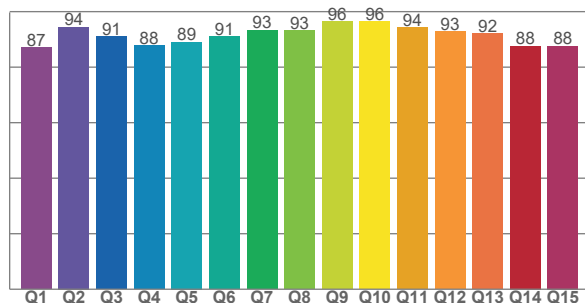
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.0	92.3	93.3	91.5	94.3	95.3	89.0	93.7	88.7	85.9	88.1	90.0	89.7	86.7	86.8	84.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.1	94.4	91.1	87.8	89.1	91.1	93.3	93.1	96.4	96.4	94.3	92.8	92.1	87.6	87.6

CQS: 90.9



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
3001 K	93.1	61.4	90.1	97.0	90.9	0.435	0.400	0.251	0.346	-0.0015

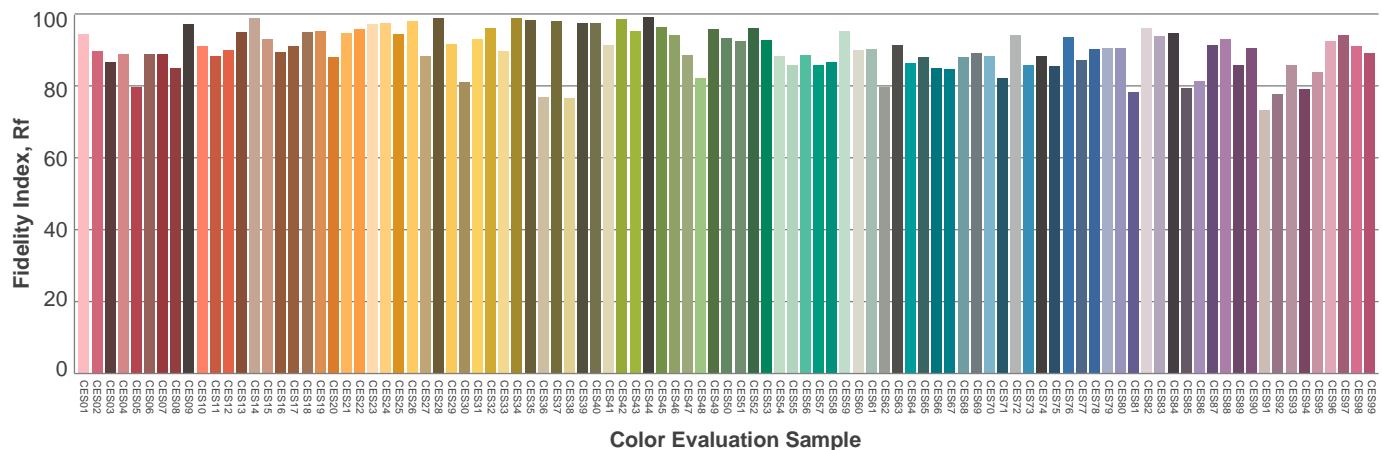
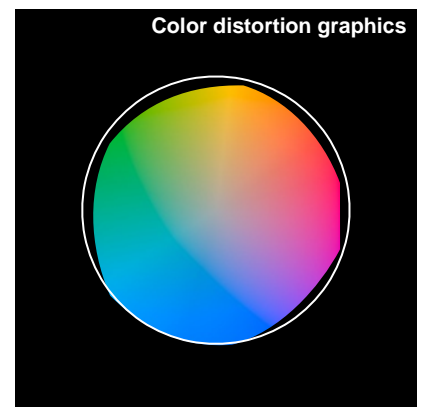
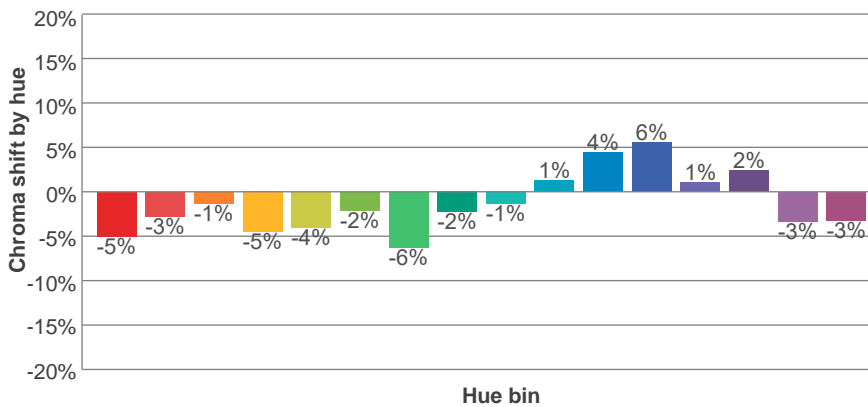
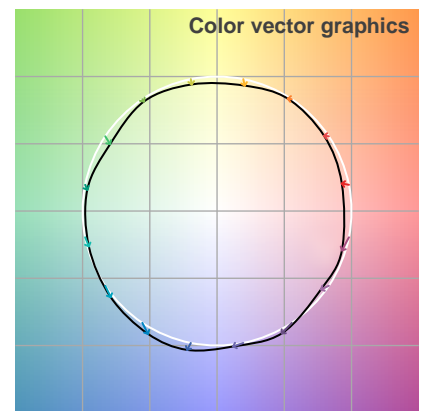
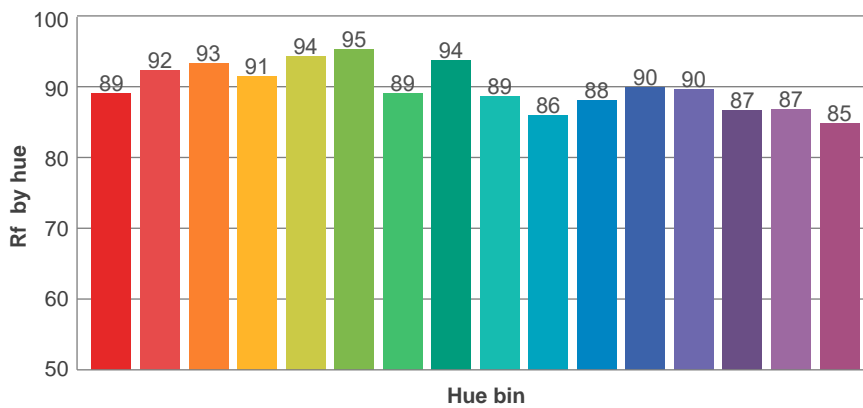
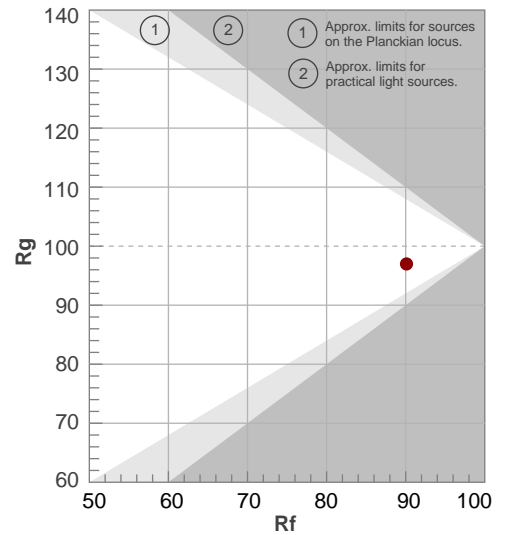
Rf 90.1

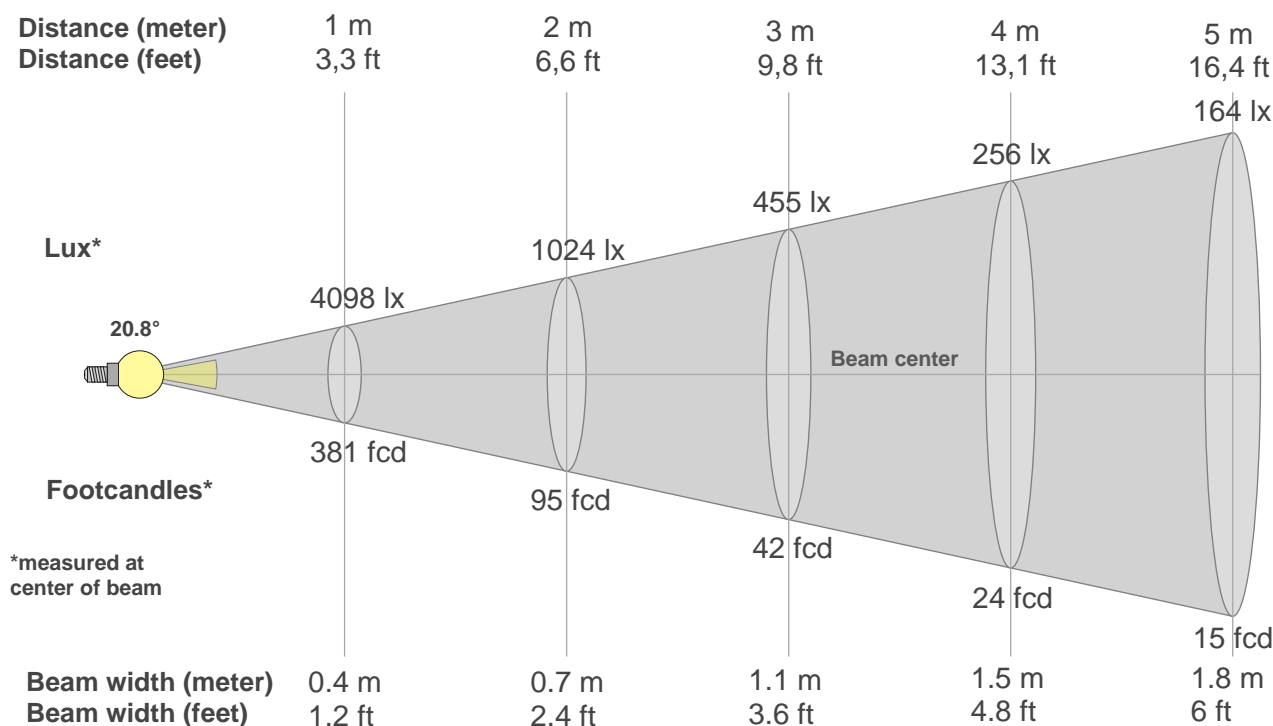
Fidelity index Rf

Rg 97.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	92	-3%	2%
3	93	-1%	3%
4	91	-5%	-2%
5	94	-4%	0%
6	95	-2%	0%
7	89	-6%	3%
8	94	-2%	3%
9	89	-1%	7%
10	86	1%	9%
11	88	4%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-11%
15	87	-3%	-6%
16	85	-3%	-11%





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
4098lx	1024lx	455lx	256lx	164lx	114lx	84lx	64lx	51lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
380.7fcd	95.2fcd	42.3fcd	23.8fcd	15.2fcd	10.6fcd	7.8fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

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°
4098	3969	3649	3189	2678	2152	1674	1271	964	731	584	459	389	315	287	231	175	123	77	40
100%	97%	89%	78%	65%	53%	41%	31%	24%	18%	14%	11%	9%	8%	7%	6%	4%	3%	2%	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°
4098	3971	3633	3173	2653	2132	1657	1249	948	718	556	448	371	316	269	231	184	130	82	43
100%	97%	89%	77%	65%	52%	40%	30%	23%	18%	14%	11%	9%	8%	7%	6%	4%	3%	2%	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°
4098	3984	3649	3191	2676	2152	1657	1259	946	732	570	469	383	330	279	248	187	134	88	49
100%	97%	89%	78%	65%	53%	40%	31%	23%	18%	14%	11%	9%	8%	7%	6%	5%	3%	2%	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°
4098	3970	3649	3181	2660	2128	1650	1255	943	721	566	456	373	312	268	229	180	124	75	37
100%	97%	89%	78%	65%	52%	40%	31%	23%	18%	14%	11%	9%	8%	7%	6%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20.8°	46.4°	70°	99.4%	99.0%