

Light efficiency:

47 Lumen/Watt

Light quality:

CRI: 94.6

Color temperature:

3102 K

Output: 881 lm

Peak: 3128 cd

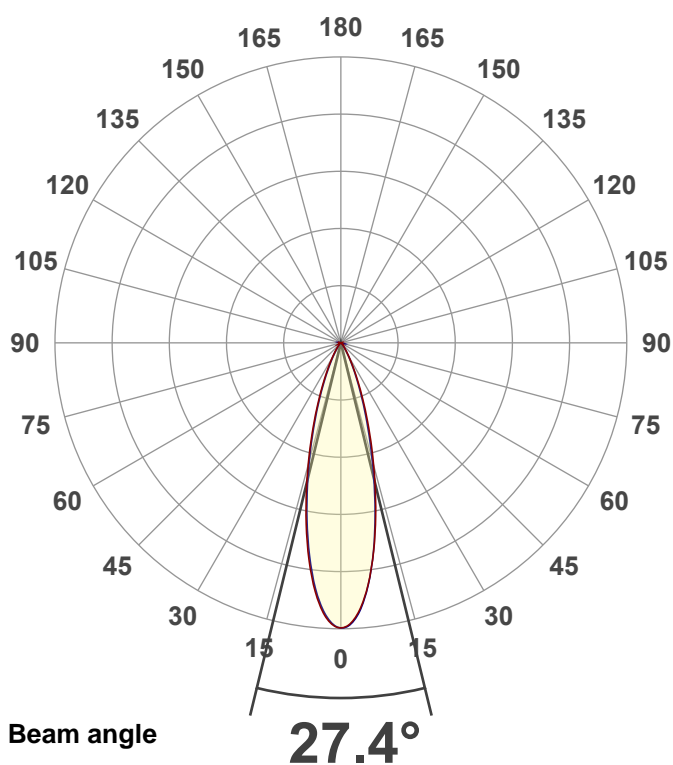
Power: 18.9 W

PF: 0.97



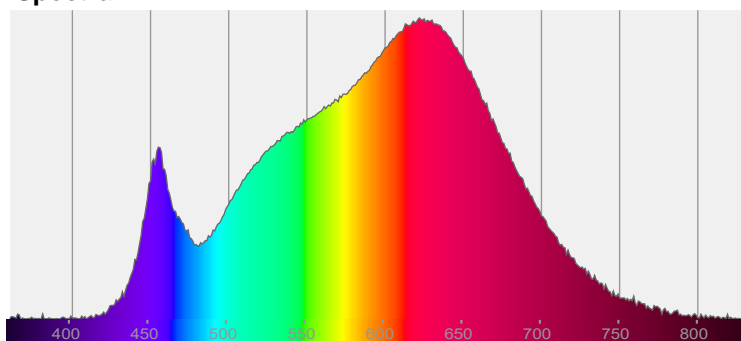
NU3-RA-WD-15LM-3018-97-25D-NA-HET-WH-WH

Date and time:
7/15/2022 9:37:45 AM

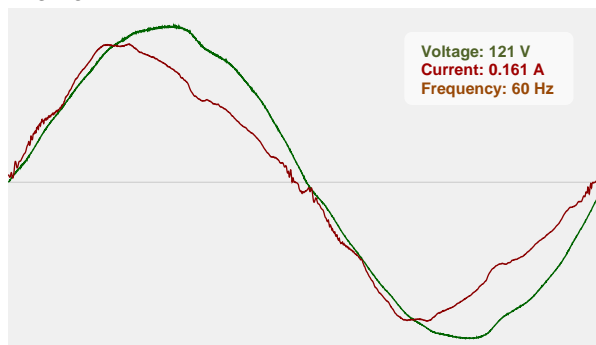


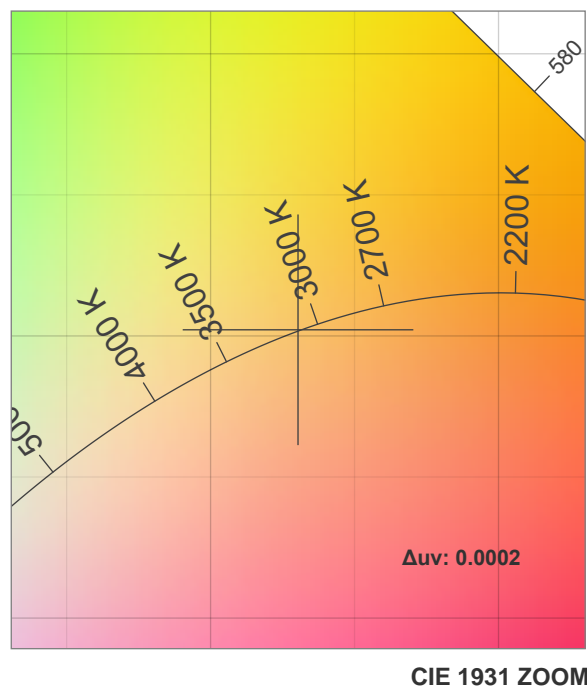
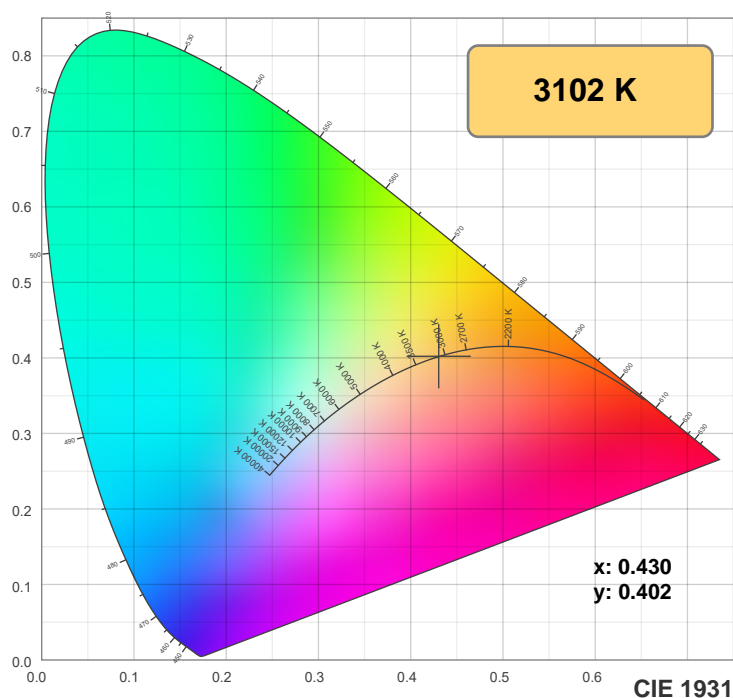
CIE 1931
x: 0.430
y: 0.402

Spectra

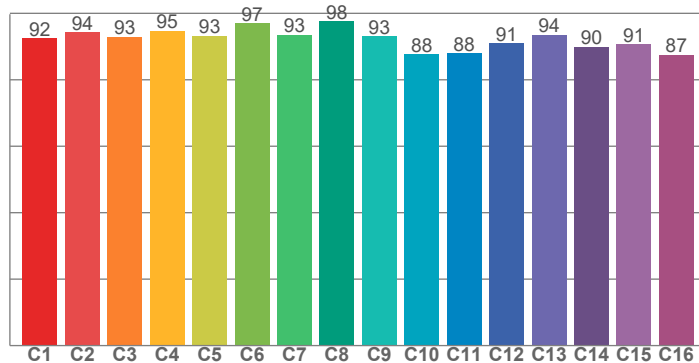


Power

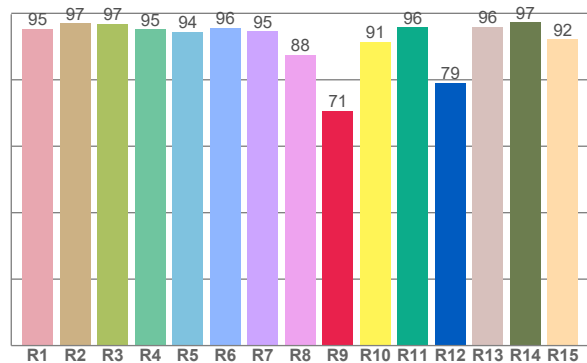




TM30: 92.3



CRI: 94.6 (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
95.4	97.1	96.9	95.2	94.4	95.7	94.7	87.5	70.7	91.5	95.8	79.1	96.0	97.4	92.3

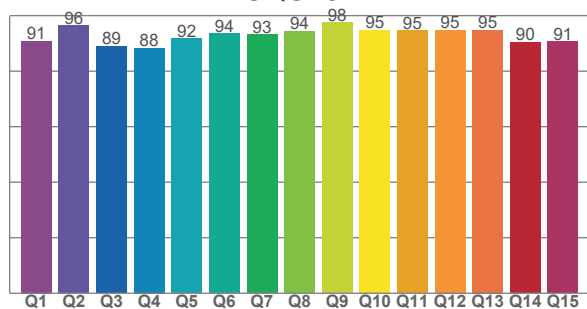
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.5	94.2	92.9	94.7	93.2	96.9	93.4	97.6	93.0	87.7	88.0	90.9	93.6	89.8	90.7	87.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.9	96.5	89.0	88.4	91.8	93.5	93.2	94.4	97.5	94.8	94.6	94.8	94.8	90.4	90.7

CQS: 92.4



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
3102 K	94.6	70.7	92.3	99.3	92.4	0.430	0.402	0.247	0.346	0.0002

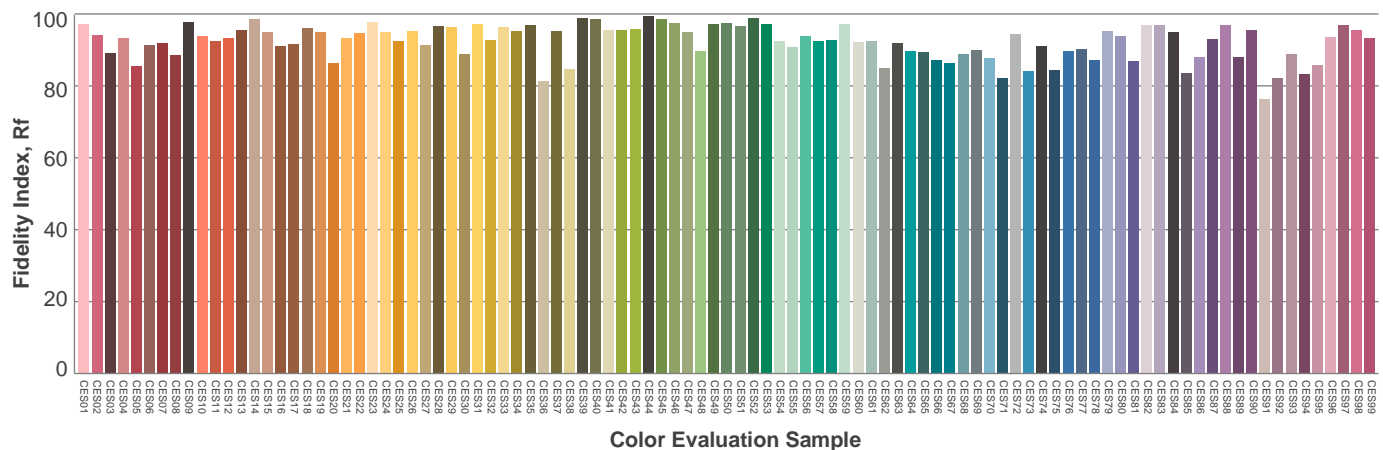
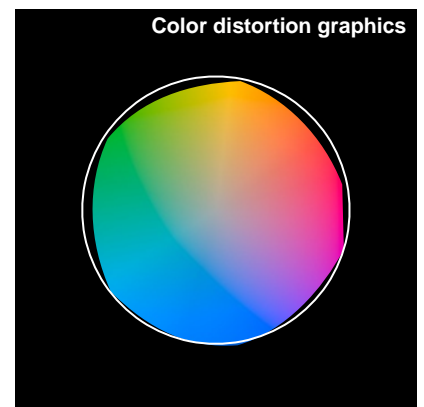
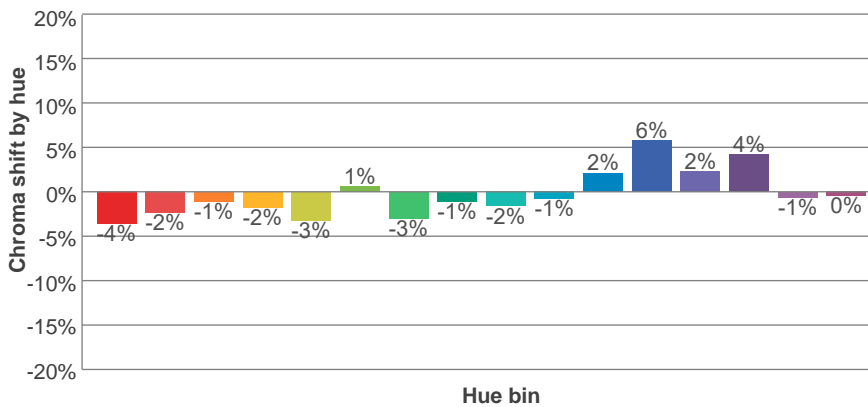
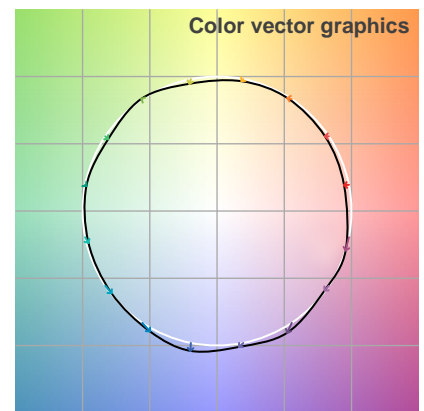
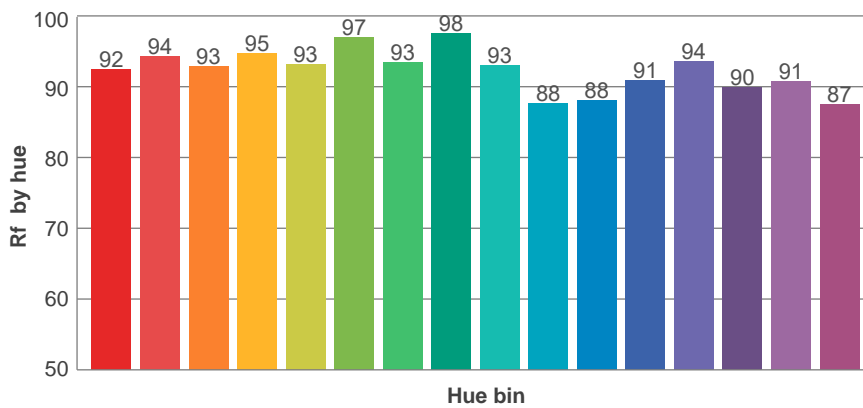
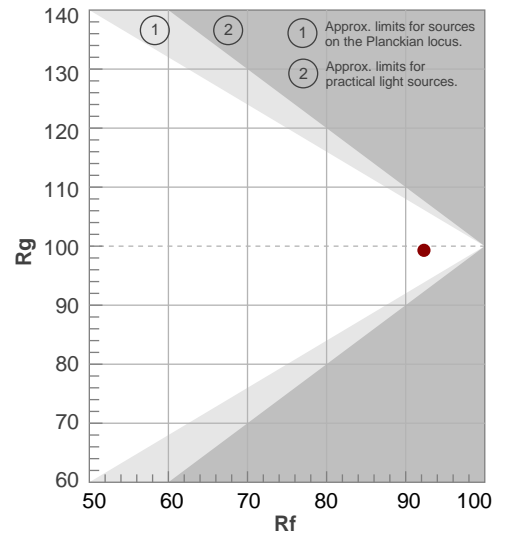
Rf 92.3

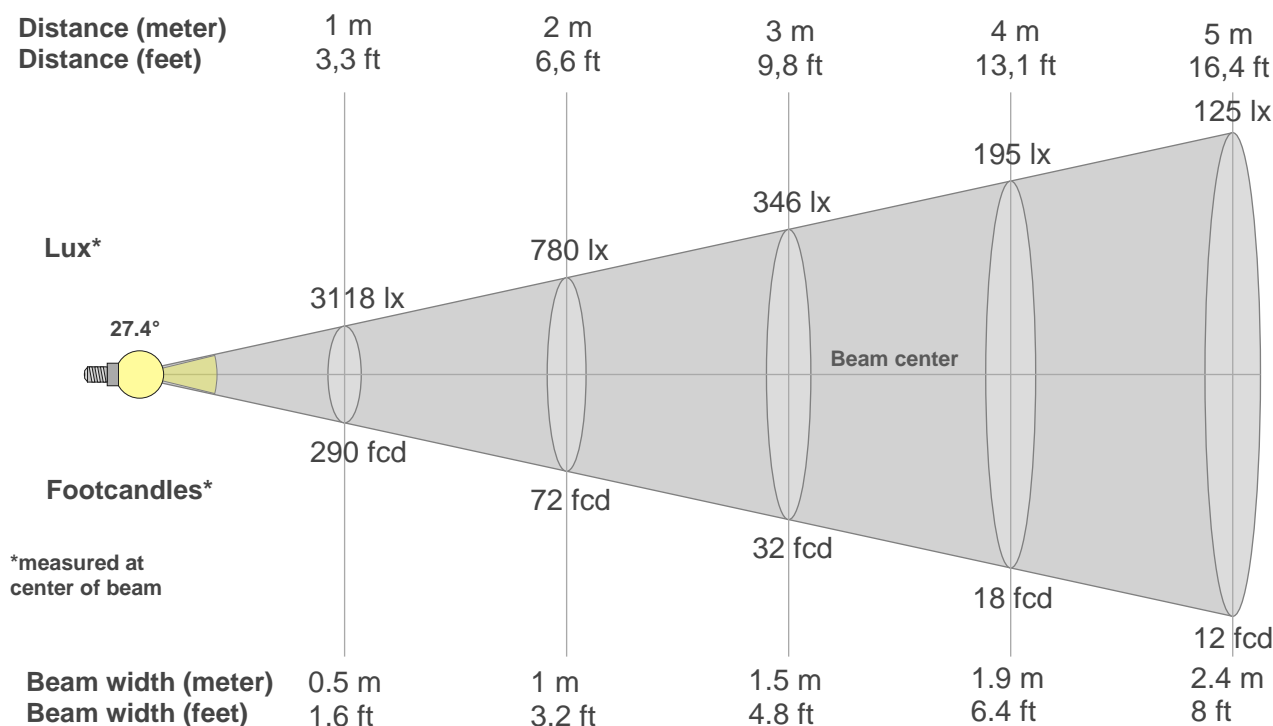
Fidelity index Rf

Rg 99.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-2%	2%
3	93	-1%	3%
4	95	-2%	1%
5	93	-3%	2%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-2%	5%
10	88	-1%	7%
11	88	2%	8%
12	91	6%	1%
13	94	2%	-4%
14	90	4%	-7%
15	91	-1%	-5%
16	87	0%	-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
3118lx	780lx	346lx	195lx	125lx	87lx	64lx	49lx	38lx	31lx	26lx	22lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
289.7fcd	72.4fcd	32.2fcd	18.1fcd	11.6fcd	8fcd	5.9fcd	4.5fcd	3.6fcd	2.9fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3118	3076	2945	2724	2454	2155	1846	1540	1258	1008	791	607	457	339	251	184	135	97	71	53
100%	99%	94%	87%	79%	69%	59%	49%	40%	32%	25%	19%	15%	11%	8%	6%	4%	3%	2%	2%

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°
3118	3085	2960	2731	2451	2136	1807	1485	1192	944	731	555	414	305	224	162	116	82	58	43
100%	99%	95%	88%	79%	68%	58%	48%	38%	30%	23%	18%	13%	10%	7%	5%	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°
3118	3072	2942	2734	2461	2158	1845	1539	1253	999	786	609	465	349	260	195	146	108	79	59
100%	99%	94%	88%	79%	69%	59%	49%	40%	32%	25%	20%	15%	11%	8%	6%	5%	3%	3%	2%

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°
3118	3060	2917	2701	2418	2111	1797	1490	1204	952	741	565	420	306	220	160	116	84	61	45
100%	98%	94%	87%	78%	68%	58%	48%	39%	31%	24%	18%	13%	10%	7%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.4°	52.6°	70.2°	99.4%	98.2%