

Light efficiency:

35 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3099 K

Output: 671 lm

Peak: 5338 cd

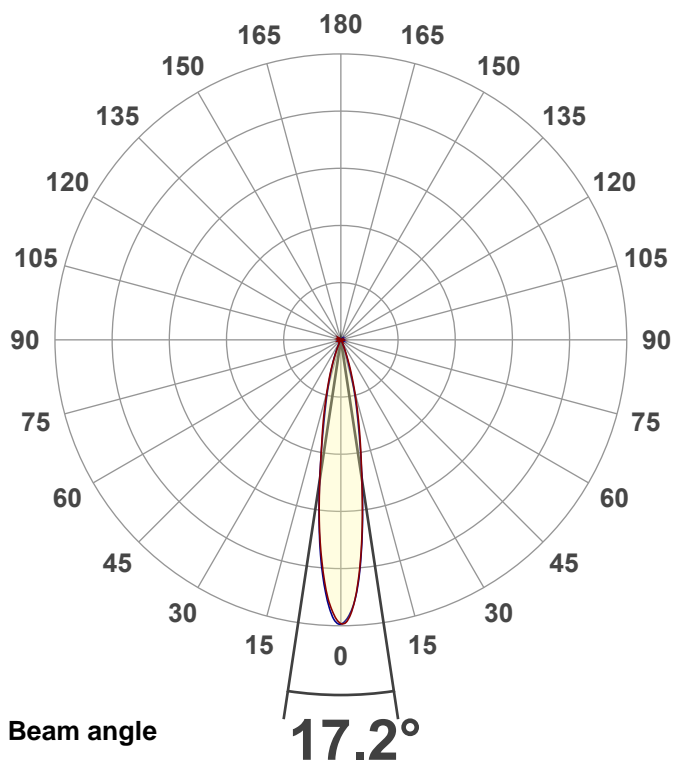
Power: 19.1 W

PF: 0.97



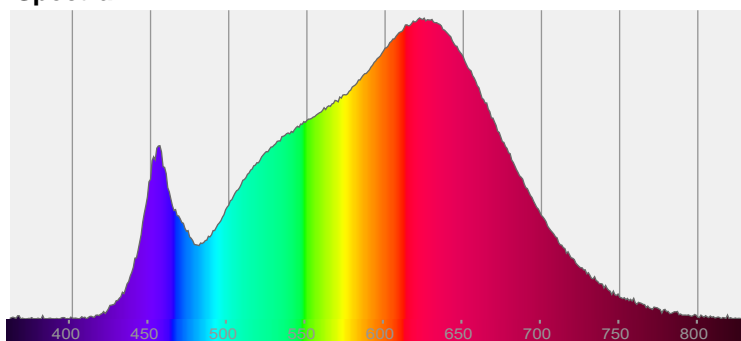
NU3-RA-WD-15LM-3018-97-15D-HCL-NL-WH-WH

Date and time:
7/14/2022 11:23:06 AM

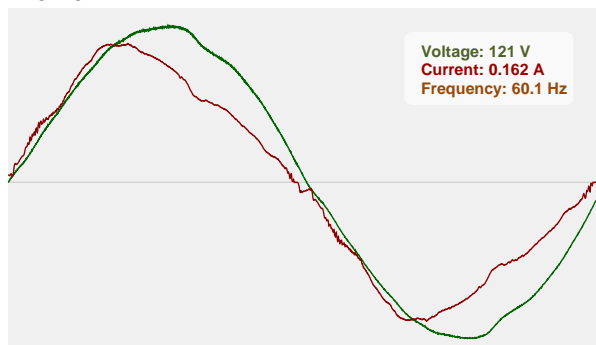


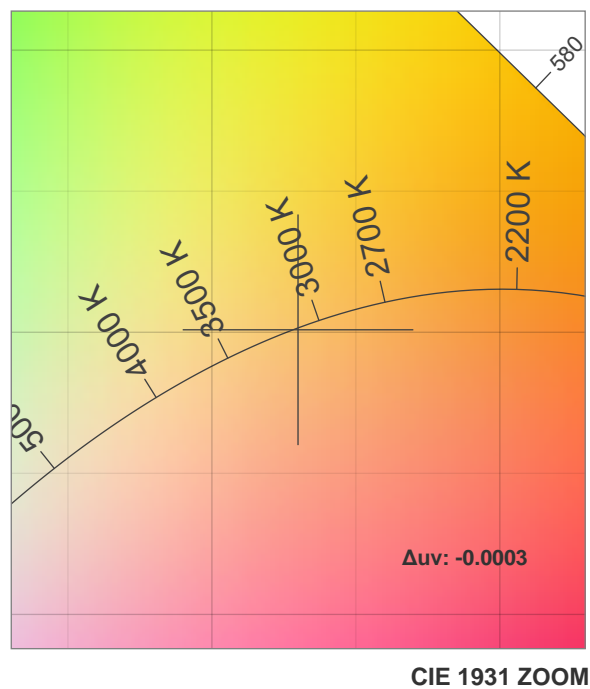
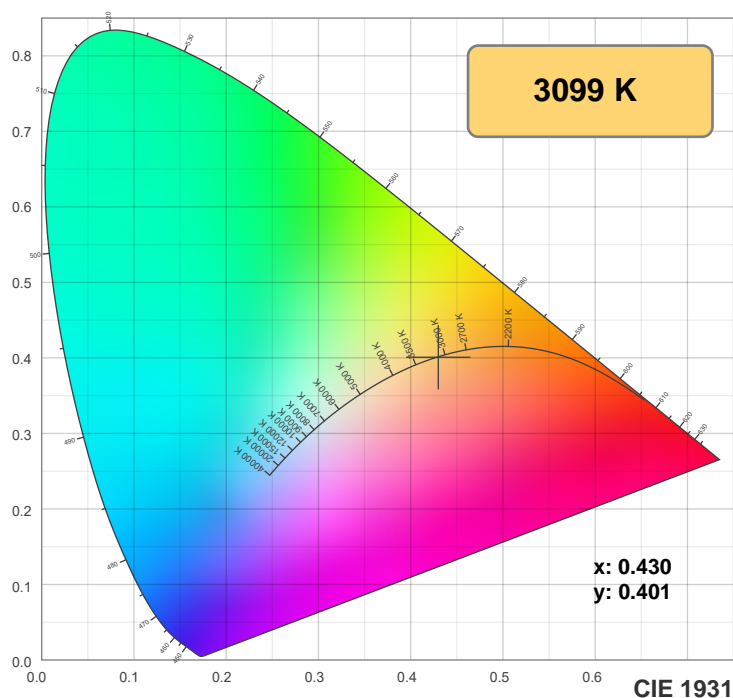
CIE 1931
x: 0.430
y: 0.401

Spectra

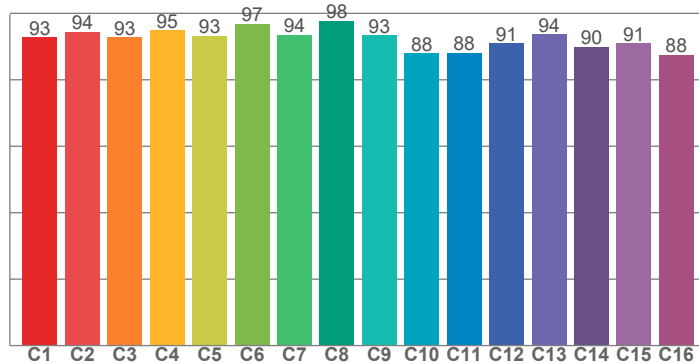


Power

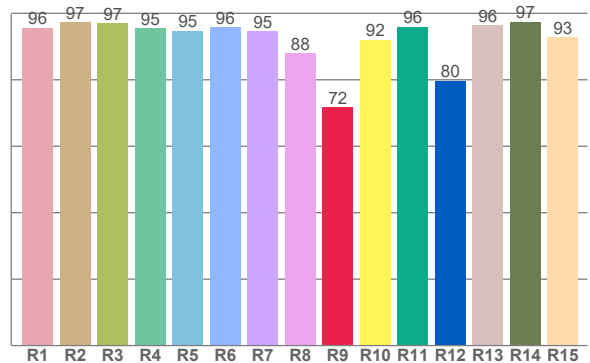




TM30: 92.4



CRI: 94.8 (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
95.7	97.3	96.9	95.5	94.8	95.9	94.7	87.9	71.7	92.0	95.9	79.7	96.3	97.4	92.7

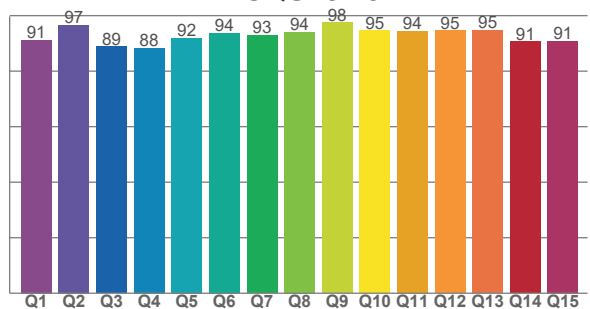
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.7	94.4	92.8	94.9	93.3	96.8	93.6	97.8	93.3	88.0	88.1	90.9	93.6	89.9	90.9	87.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.2	96.6	88.8	88.4	92.0	93.7	92.9	94.2	97.5	94.7	94.5	94.7	94.7	90.7	90.9

CQS: 92.5



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
3099 K	94.8	71.7	92.4	99.6	92.5	0.430	0.401	0.247	0.346	-0.0003

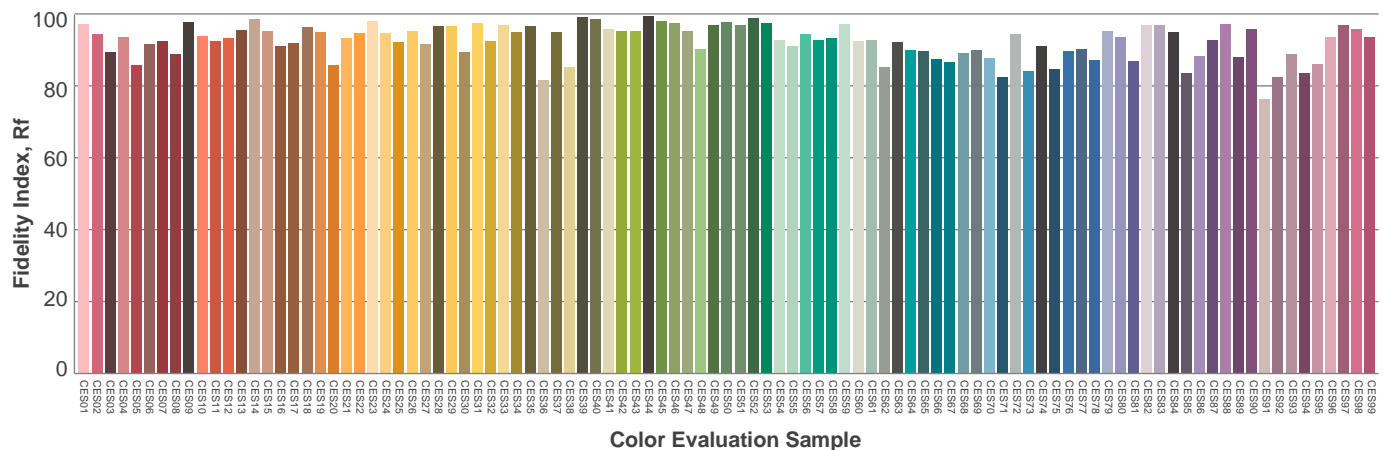
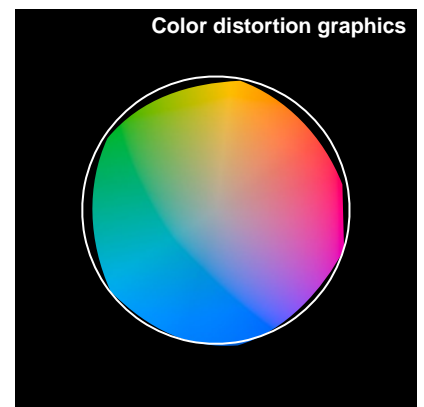
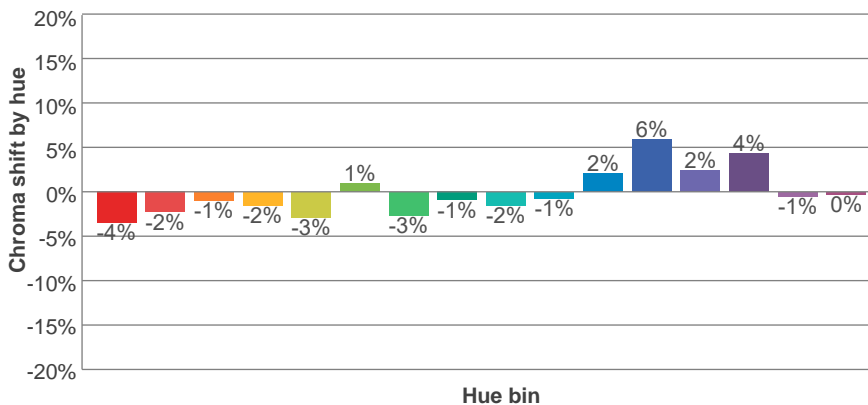
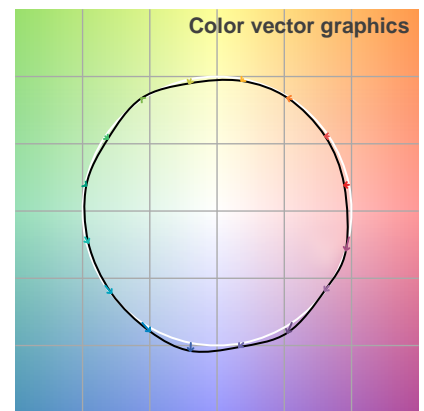
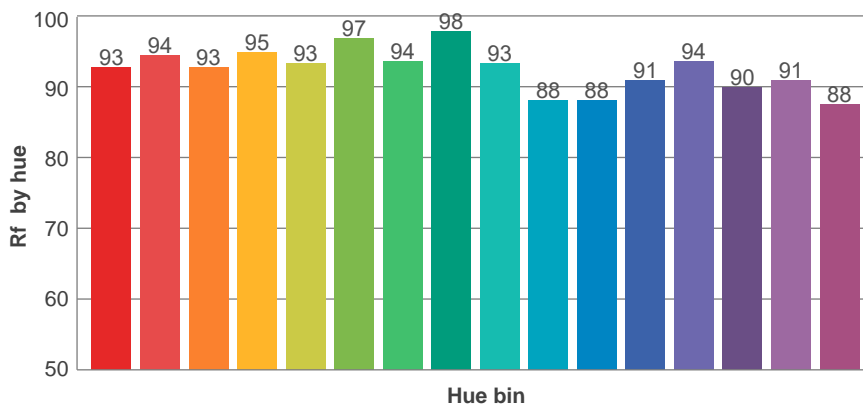
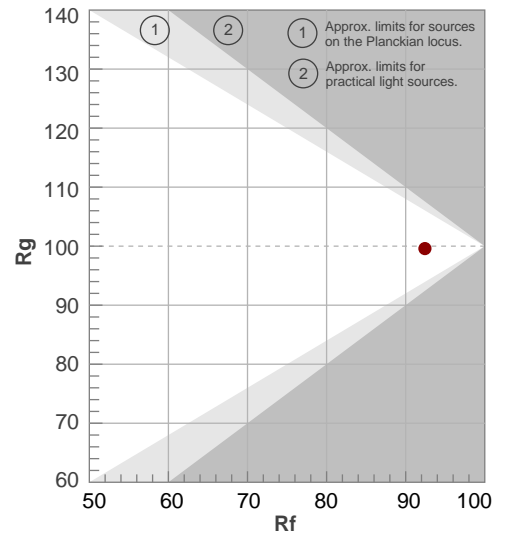
Rf 92.4

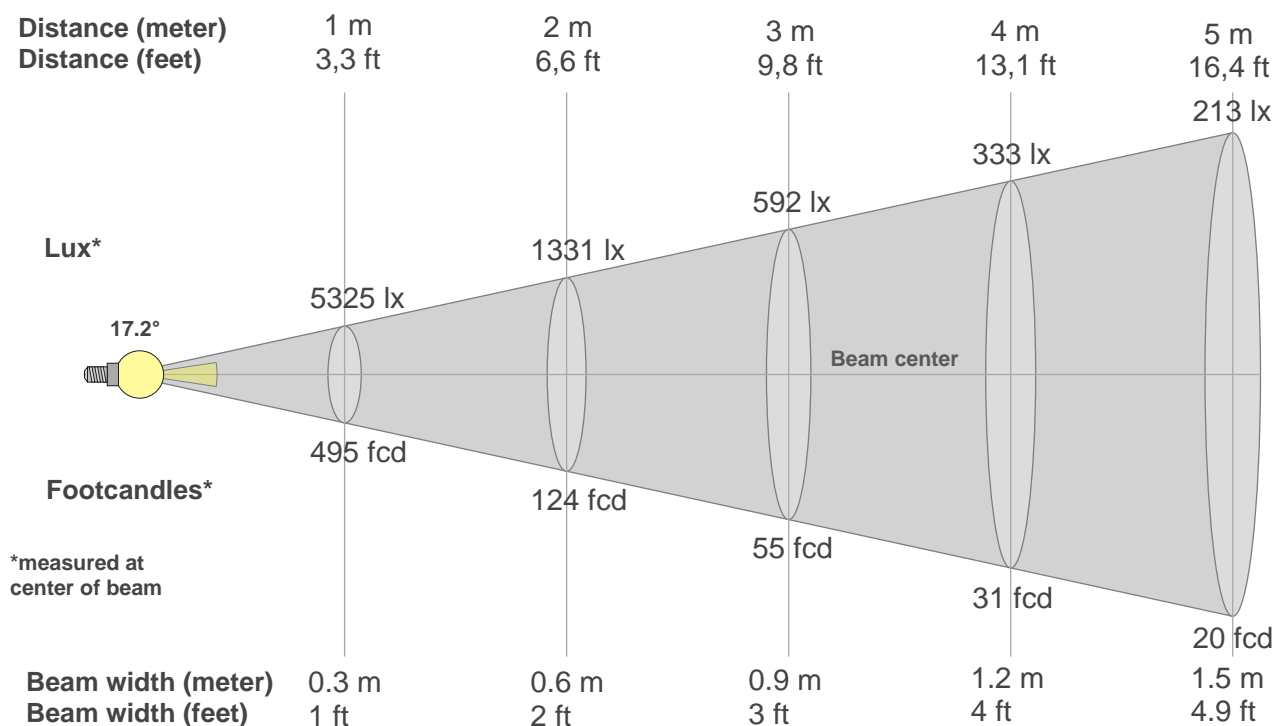
Fidelity index Rf

Rg 99.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	94	-2%	2%
3	93	-1%	3%
4	95	-2%	1%
5	93	-3%	2%
6	97	1%	0%
7	94	-3%	0%
8	98	-1%	0%
9	93	-2%	4%
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	88	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
5325lx	1331lx	592lx	333lx	213lx	148lx	109lx	83lx	66lx	53lx	44lx	37lx	32lx	27lx	24lx	21lx	18lx	16lx	15lx	13lx
494.7fc	123.7fc	55fcd	30.9fcd	19.8fcd	13.7fcd	10.1fcd	7.7fcd	6.1fcd	4.9fcd	4.1fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5325	5308	5165	4918	4580	4191	3761	3317	2872	2493	2170	1891	1637	1403	1194	1008	839	688	562	443
100%	100%	97%	92%	86%	79%	71%	62%	54%	47%	41%	36%	31%	26%	22%	19%	16%	13%	11%	8%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5325	5260	5119	4904	4603	4218	3791	3350	2913	2493	2122	1802	1532	1303	1097	901	716	556	432	339
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	34%	29%	24%	21%	17%	13%	10%	8%	6%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5325	5231	5053	4815	4497	4134	3750	3334	2896	2478	2117	1844	1609	1394	1196	1020	867	733	609	489
100%	98%	95%	90%	84%	78%	70%	63%	54%	47%	40%	35%	30%	26%	22%	19%	16%	14%	11%	9%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5325	5289	5136	4886	4573	4211	3802	3363	2918	2491	2103	1765	1496	1277	1093	932	789	670	560	468
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	39%	33%	28%	24%	21%	18%	15%	13%	11%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.2°	36.2°	47.3°	99.6%	99.3%