

Light efficiency:

85 Lumen/Watt

Light quality:

CRI: 93.2

Color temperature:

2934 K

Output: 1798 lm

Peak: 4618 cd

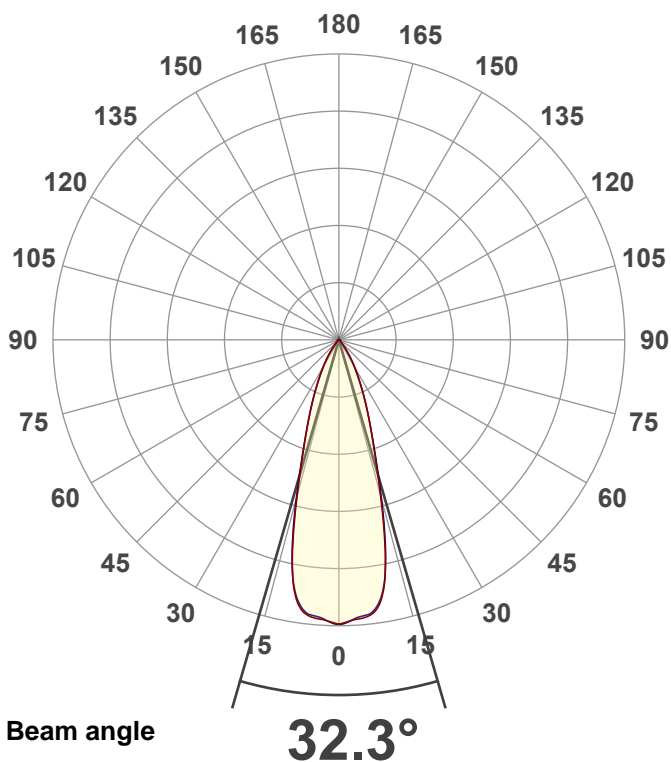
Power: 21.1 W

PF: 0.97

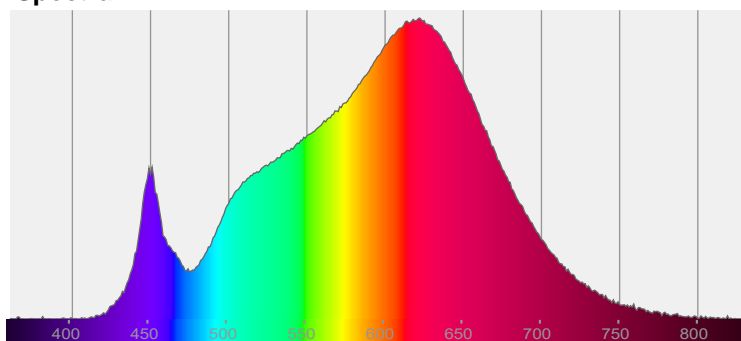


NUE4-RD-SW-20LM-30K-90-30D-CL-WH-WH

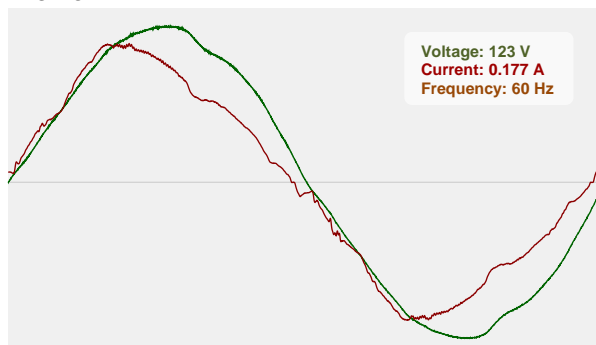
Date and time:
3/7/2023 2:21:51 PM

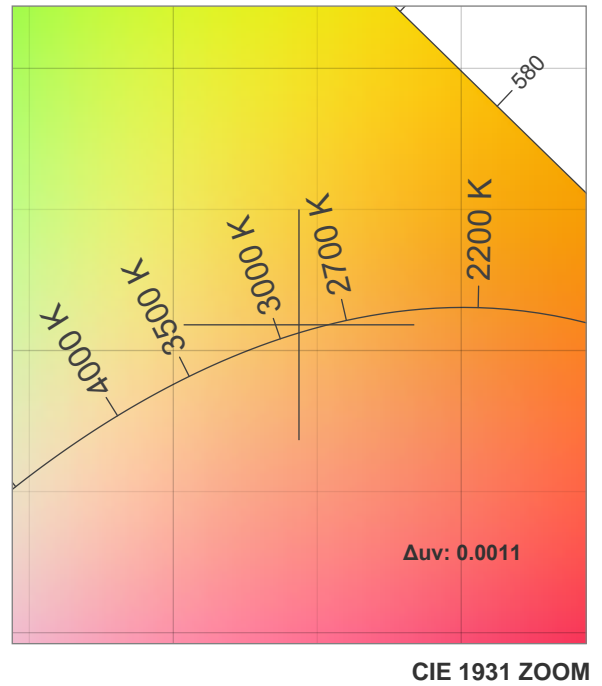
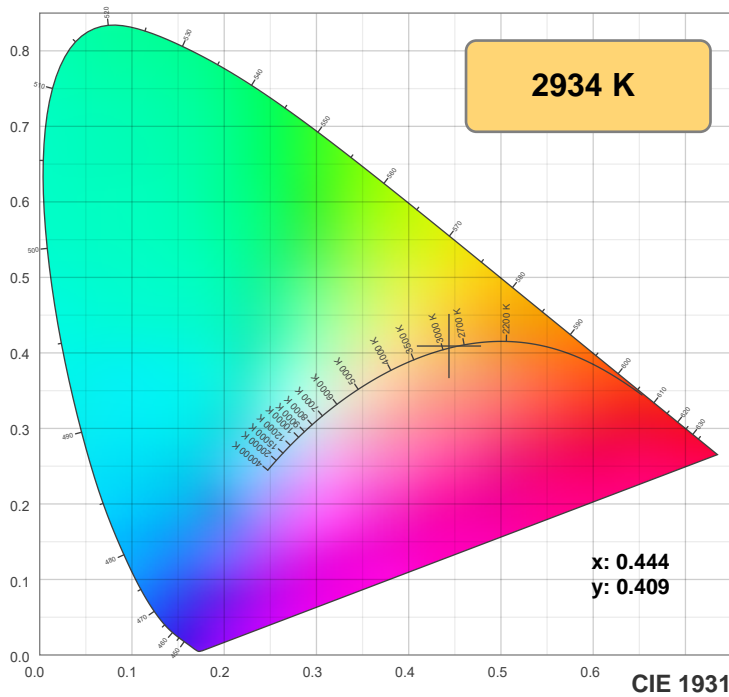


Spectra

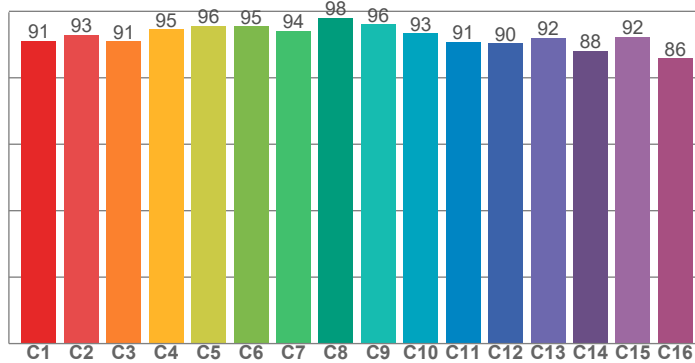


Power

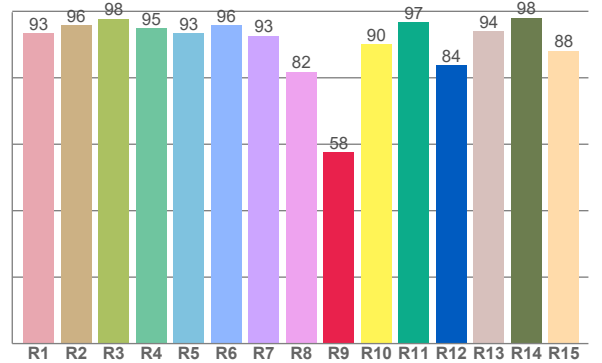




TM30: 92.6



CRI: 93.2 (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
93.4	95.9	97.7	94.9	93.4	95.8	92.6	81.8	57.6	90.1	96.7	83.8	94.1	98.0	88.2

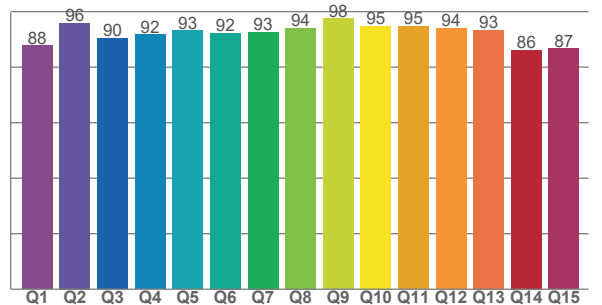
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.1	92.8	90.9	94.6	95.6	95.5	94.1	98.0	96.1	93.4	90.8	90.3	91.9	88.1	92.3	85.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.8	95.9	90.4	91.8	93.2	92.3	92.7	94.1	97.5	94.8	94.7	94.1	93.4	86.2	86.7

CQS: 91.6



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
2934 K	93.2	57.6	92.6	99.7	91.6	0.444	0.409	0.253	0.350	0.0011

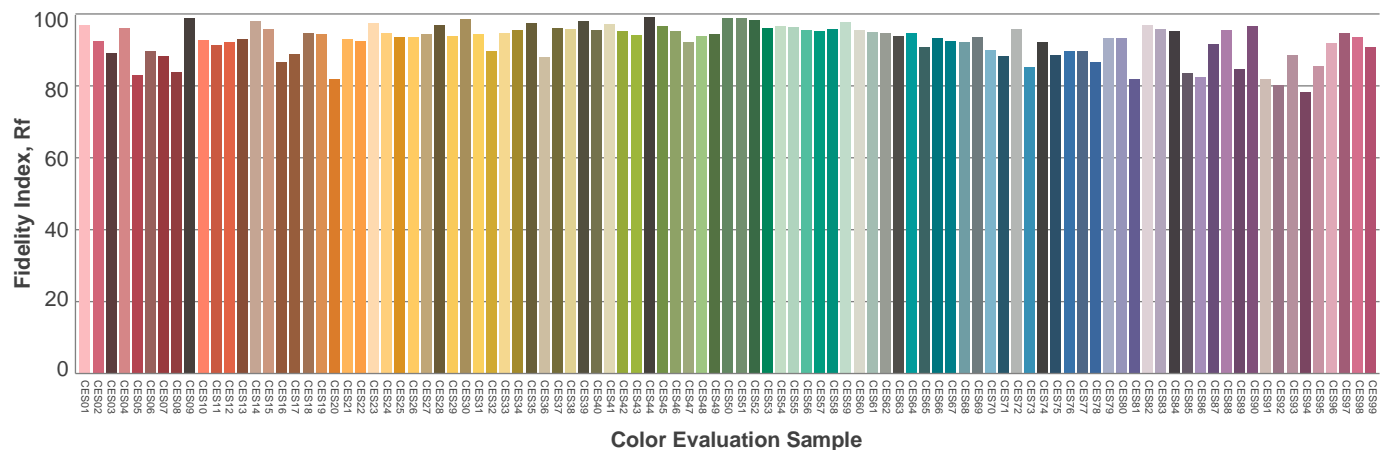
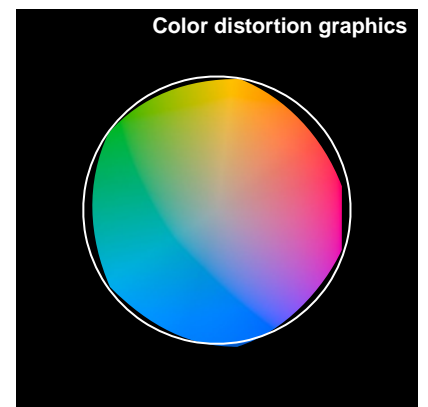
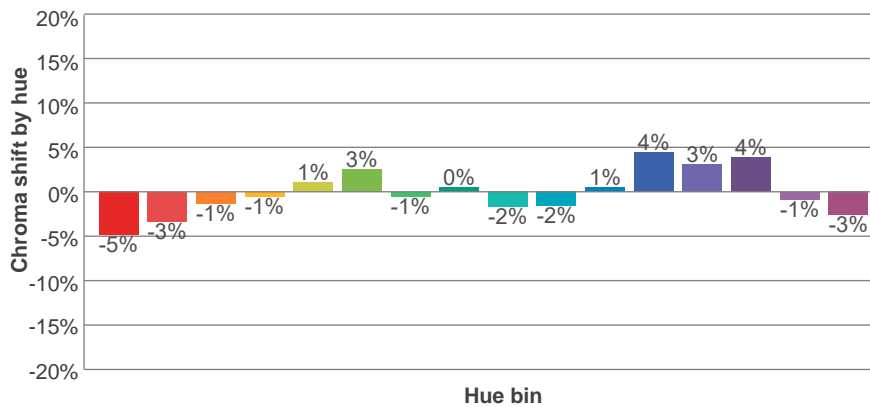
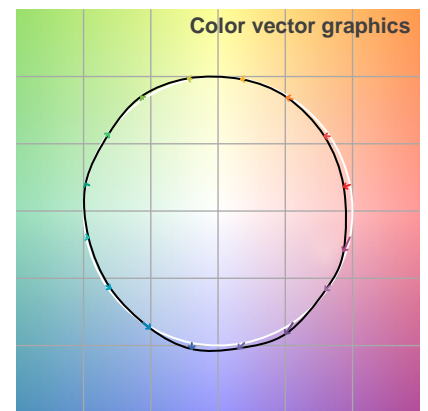
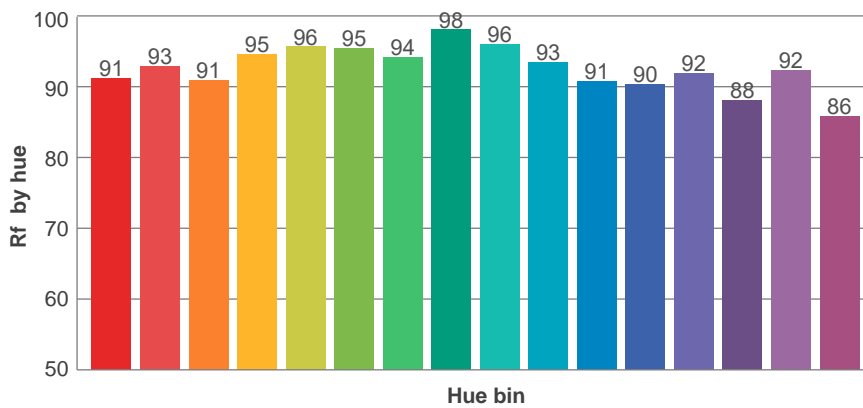
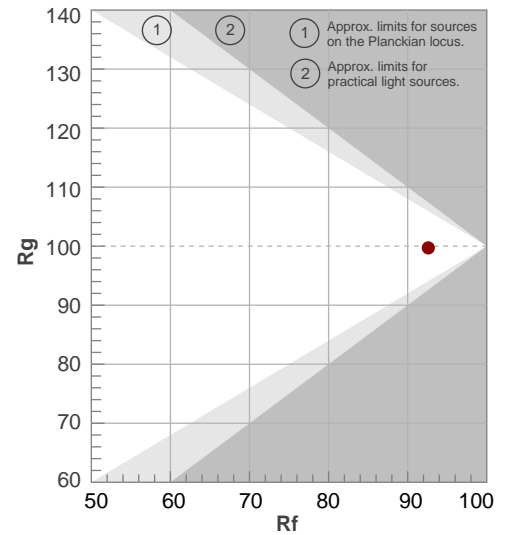
Rf 92.6

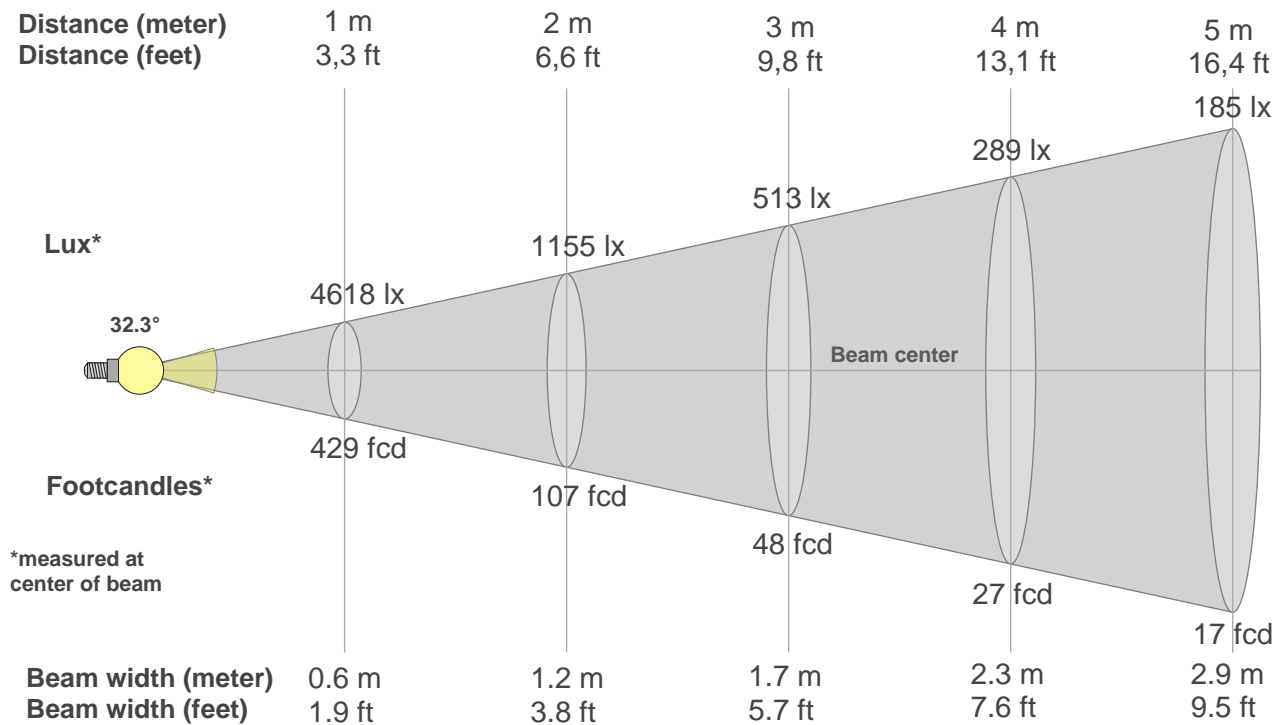
Fidelity index Rf

Rg 99.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	-1%
2	93	-3%	2%
3	91	-1%	5%
4	95	-1%	2%
5	96	1%	3%
6	95	3%	0%
7	94	-1%	-3%
8	98	0%	-1%
9	96	-2%	1%
10	93	-2%	3%
11	91	1%	6%
12	90	4%	1%
13	92	3%	-5%
14	88	4%	-9%
15	92	-1%	-5%
16	86	-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
4618lx	1155lx	513lx	289lx	185lx	128lx	94lx	72lx	57lx	46lx	38lx	32lx	27lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
429fcd	107.3fcd	47.7fcd	26.8fcd	17.2fcd	11.9fcd	8.8fcd	6.7fcd	5.3fcd	4.3fcd	3.5fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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°
4618	4579	4549	4517	4412	4139	3637	2958	2324	1843	1504	1233	1005	813	646	513	397	287	202	140
100%	99%	98%	98%	96%	90%	79%	64%	50%	40%	33%	27%	22%	18%	14%	11%	9%	6%	4%	3%

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°
4618	4583	4520	4487	4384	4118	3644	3010	2372	1872	1501	1219	984	789	631	500	389	285	199	134
100%	99%	98%	97%	95%	89%	79%	65%	51%	41%	33%	26%	21%	17%	14%	11%	8%	6%	4%	3%

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°
4618	4579	4549	4517	4412	4139	3637	2958	2324	1843	1504	1233	1005	813	646	513	397	287	202	140
100%	99%	98%	98%	96%	90%	79%	64%	50%	40%	33%	27%	22%	18%	14%	11%	9%	6%	4%	3%

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°
4618	4583	4520	4487	4384	4118	3644	3010	2372	1872	1501	1219	984	789	631	500	389	285	199	134
100%	99%	98%	97%	95%	89%	79%	65%	51%	41%	33%	26%	21%	17%	14%	11%	8%	6%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.3°	61.5°	77.7°	99.2%	97.7%