

Light efficiency:

85 Lumen/Watt

Light quality:

CRI: 93.1

Color temperature:

2925 K

Output: 1743 lm

Peak: 4343 cd

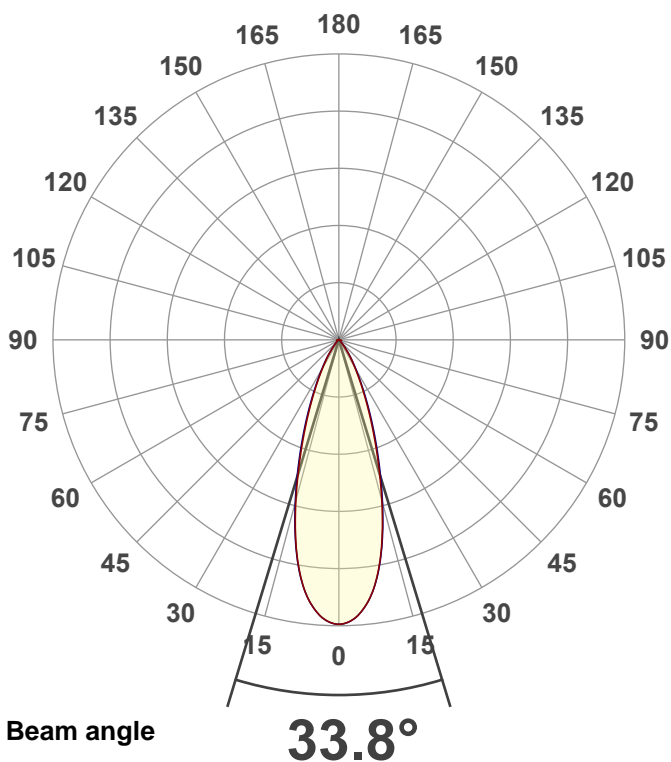
Power: 20.5 W

PF: 0.97



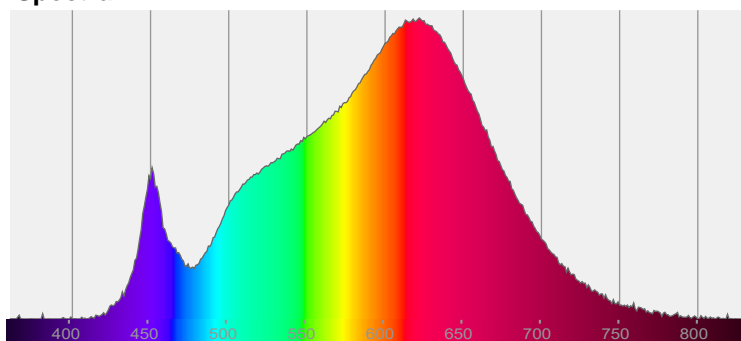
NUE4-RD-SW-20LM-30K-90-30D-HET-WH-WH

Date and time:
8/4/2023 2:18:46 PM

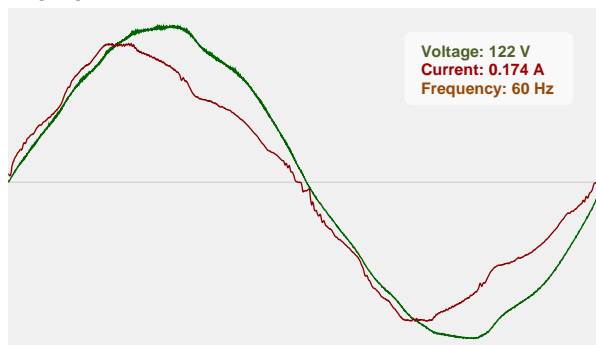


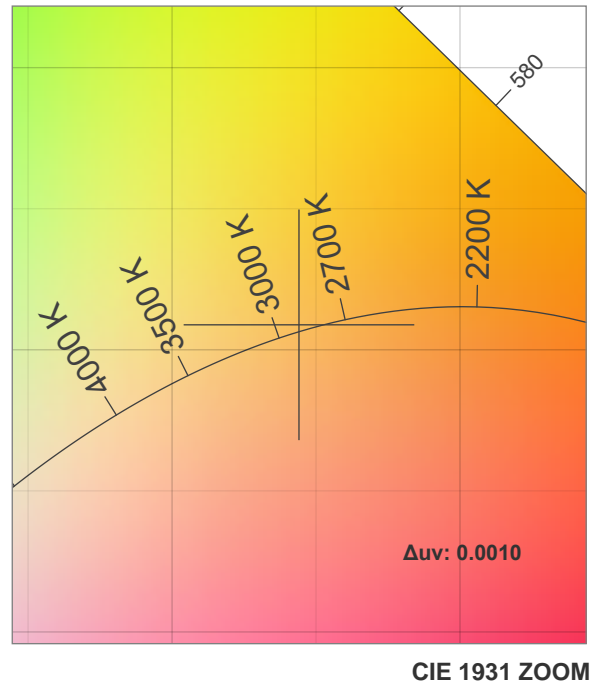
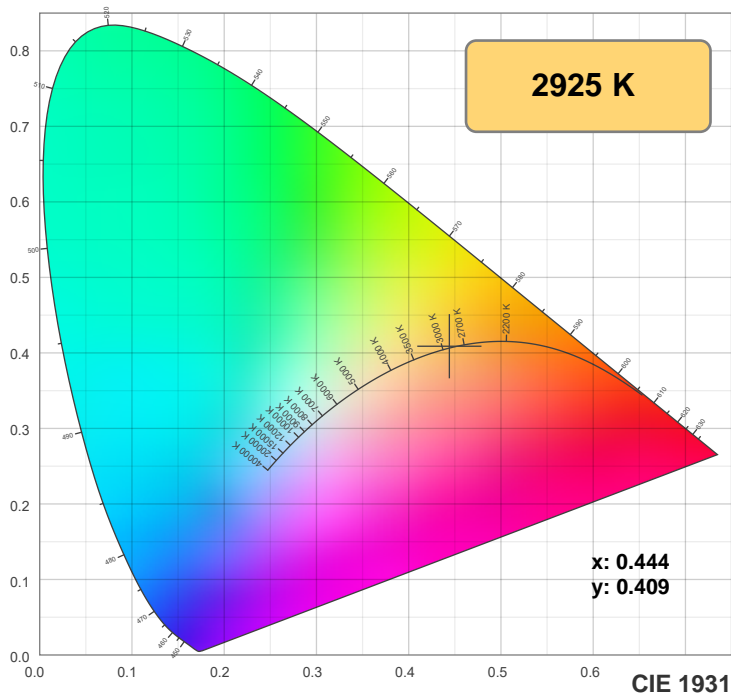
CIE 1931
x: 0.444
y: 0.409

Spectra

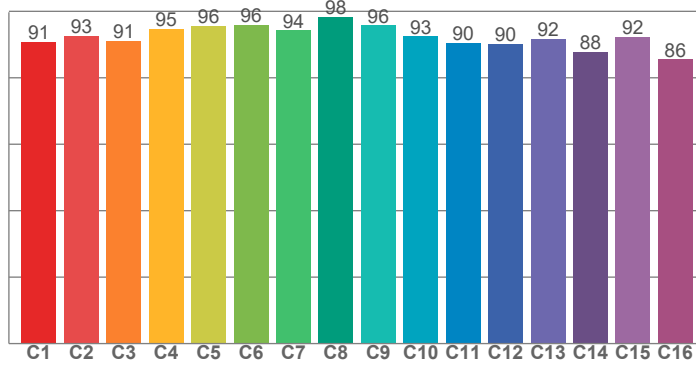


Power

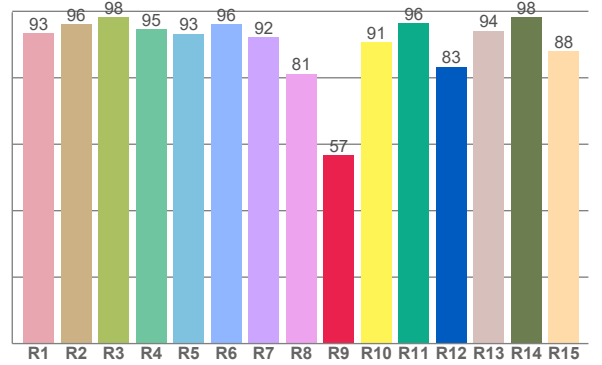




TM30: 92.5



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
93.3	96.1	98.2	94.6	93.3	96.1	92.2	81.2	56.6	90.6	96.4	83.3	94.1	98.3	88.0

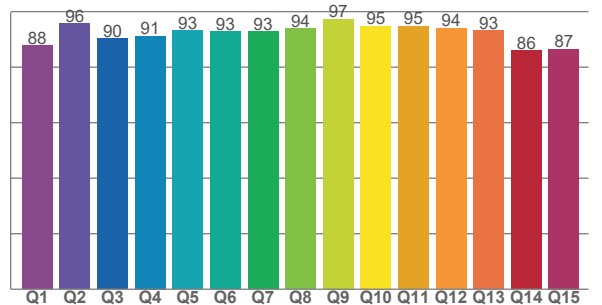
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.9	92.6	91.0	94.8	95.7	96.0	94.2	98.4	95.7	92.5	90.5	90.3	91.7	87.8	92.3	85.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.7	95.7	90.3	91.2	93.2	92.8	92.8	93.9	97.4	94.9	94.7	94.0	93.2	86.0	86.5

CQS: 91.5



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
2925 K	93.1	56.6	92.5	99.3	91.5	0.444	0.409	0.253	0.350	0.0010

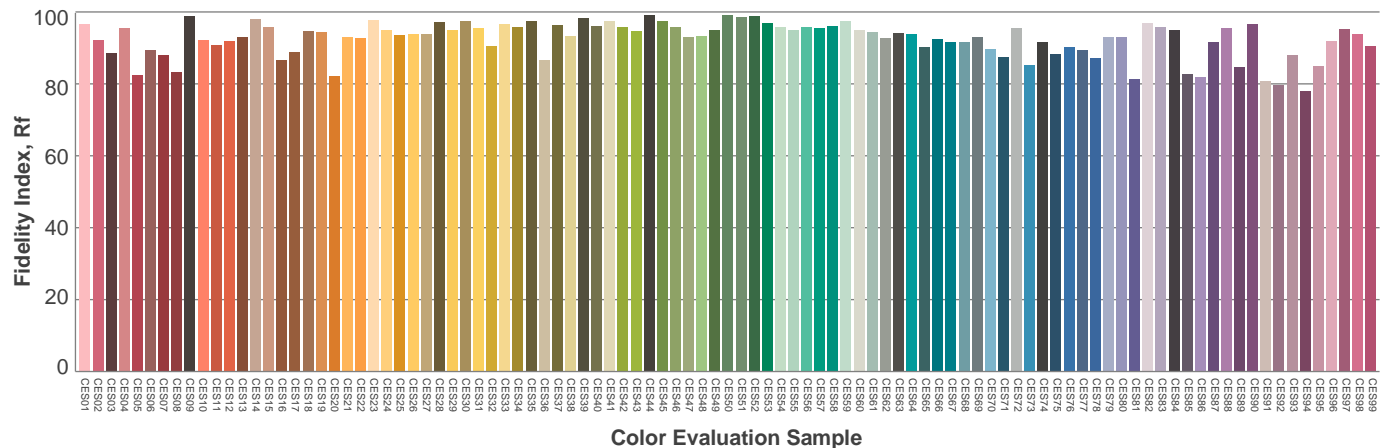
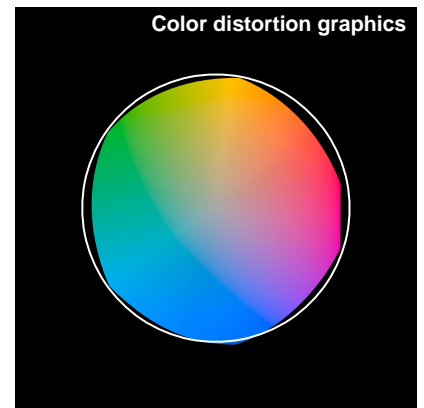
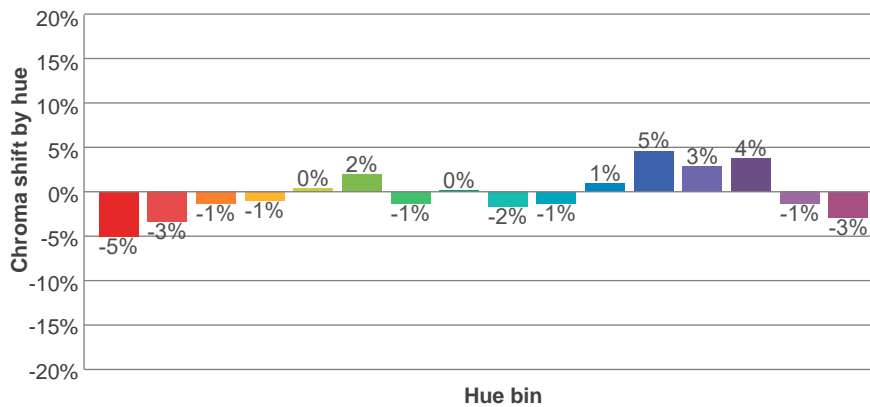
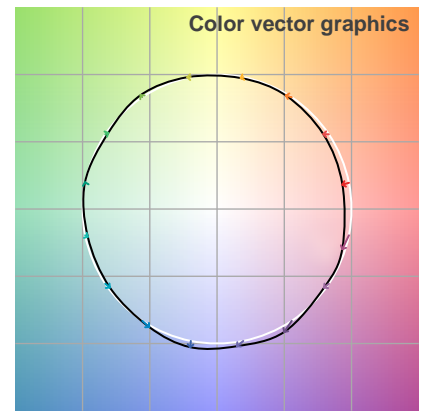
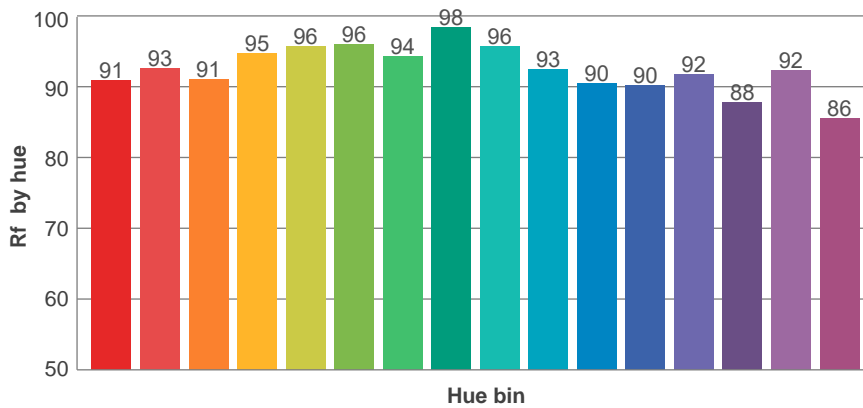
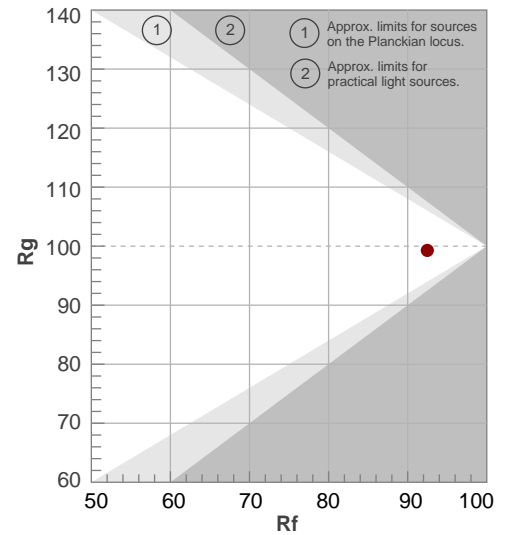
Rf 92.5

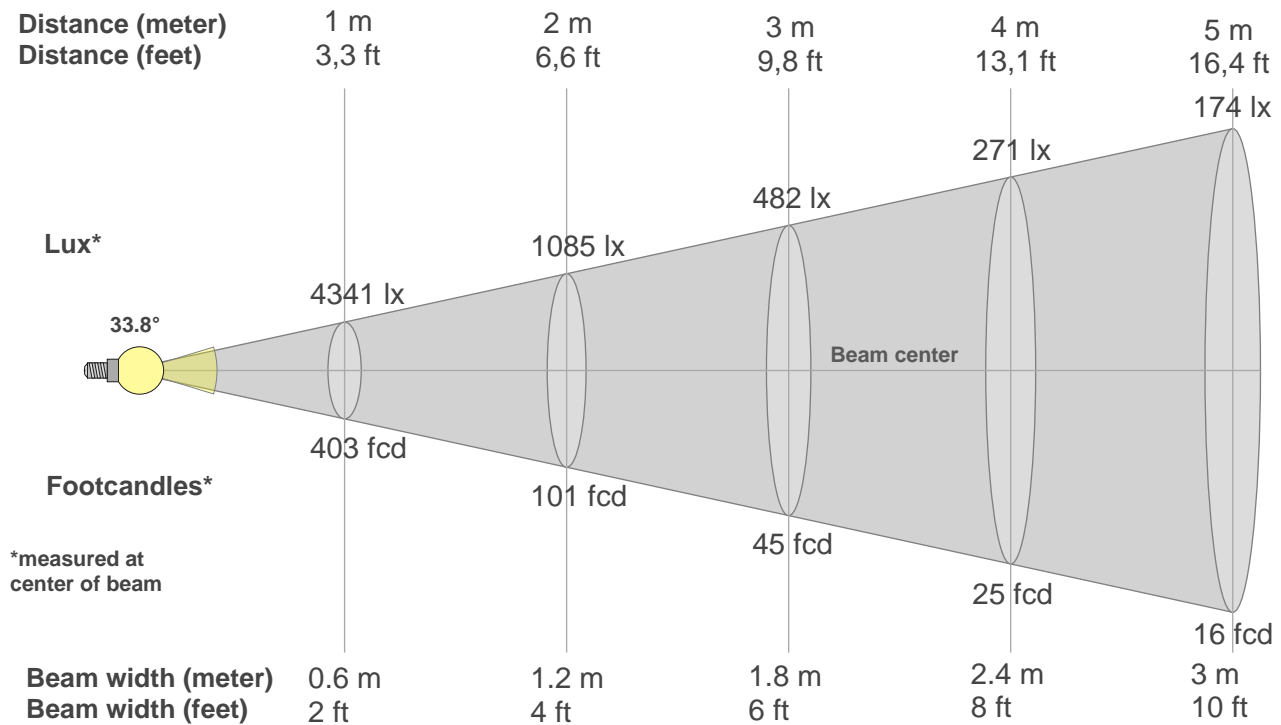
Fidelity index Rf

Rg 99.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	0%
2	93	-3%	2%
3	91	-1%	4%
4	95	-1%	2%
5	96	0%	3%
6	96	2%	0%
7	94	-1%	-2%
8	98	0%	0%
9	96	-2%	1%
10	93	-1%	4%
11	90	1%	7%
12	90	5%	1%
13	92	3%	-5%
14	88	4%	-9%
15	92	-1%	-4%
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
4341lx	1085lx	482lx	271lx	174lx	121lx	89lx	68lx	54lx	43lx	36lx	30lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
403.3fc	100.8fc	44.8fc	25.2fc	16.1fc	11.2fc	8.2fc	6.3fc	5fc	4fc	3.3fc	2.8fc	2.4fc	2.1fc	1.8fc	1.6fc	1.4fc	1.2fc	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°
4341	4311	4215	4056	3835	3525	3157	2747	2330	1935	1586	1282	1021	811	636	496	387	297	216	150
100%	99%	97%	93%	88%	81%	73%	63%	54%	45%	37%	30%	24%	19%	15%	11%	9%	7%	5%	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°
4341	4311	4216	4055	3834	3535	3174	2778	2374	1989	1643	1338	1072	852	670	521	407	309	220	156
100%	99%	97%	93%	88%	81%	73%	64%	55%	46%	38%	31%	25%	20%	15%	12%	9%	7%	5%	4%

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°
4341	4311	4215	4056	3835	3525	3157	2747	2330	1935	1586	1282	1021	811	636	496	387	297	216	150
100%	99%	97%	93%	88%	81%	73%	63%	54%	45%	37%	30%	24%	19%	15%	11%	9%	7%	5%	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°
4341	4311	4216	4055	3834	3535	3174	2778	2374	1989	1643	1338	1072	852	670	521	407	309	220	156
100%	99%	97%	93%	88%	81%	73%	64%	55%	46%	38%	31%	25%	20%	15%	12%	9%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.8°	62.9°	79.8°	99.3%	97.9%