

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3048 K

Output: 1028 lm

Peak: 2203 cd

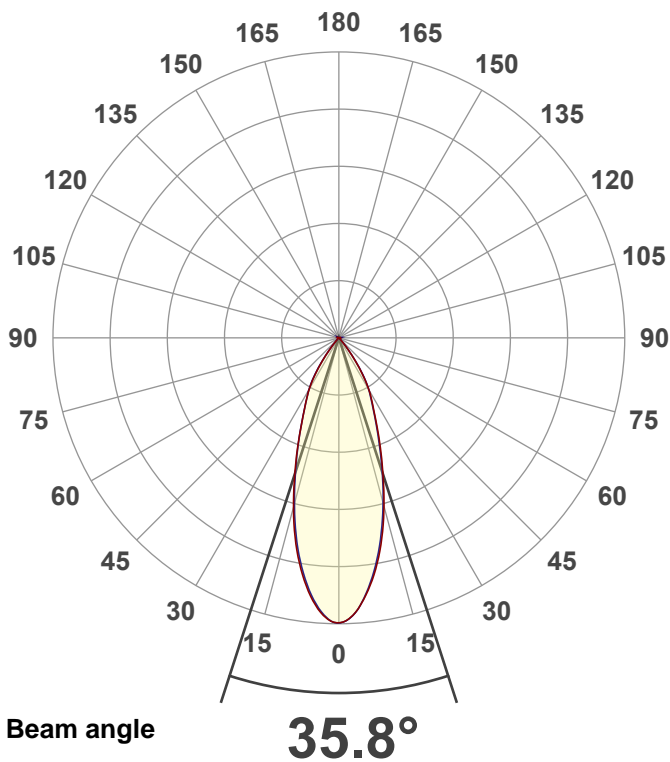
Power: 15.6 W

PF: 0.97



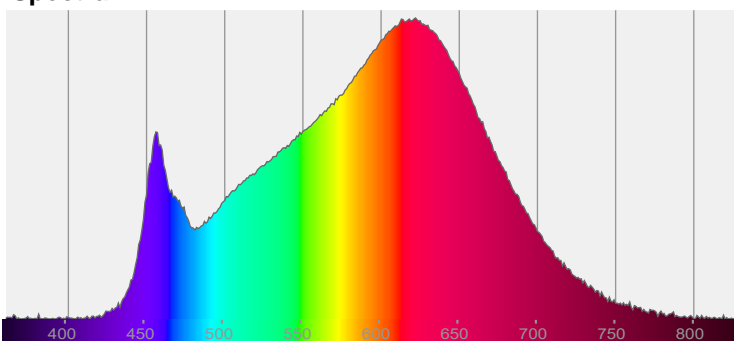
NU4-RD-TW-10LM-2765-95-35D-CL-WH-WH

Date and time:
3/29/2023 11:40:31 AM

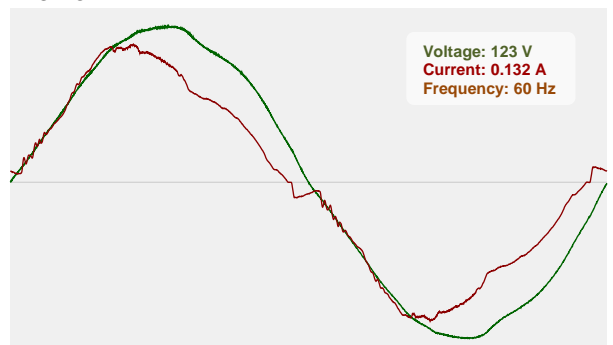


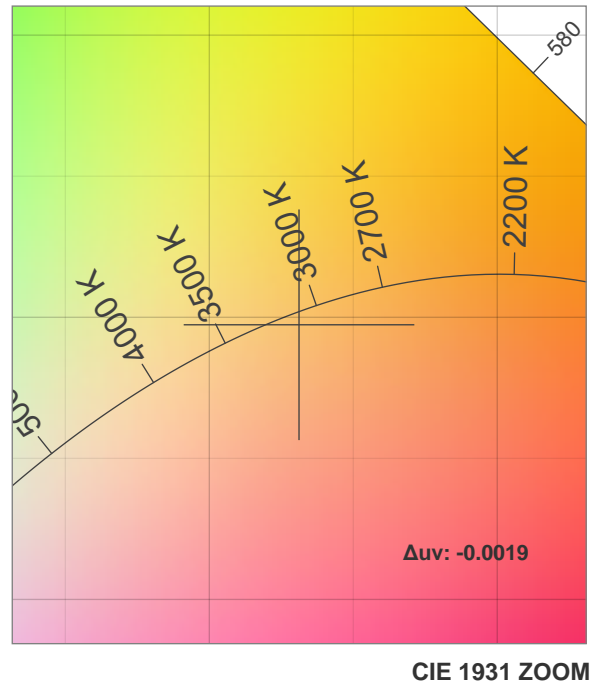
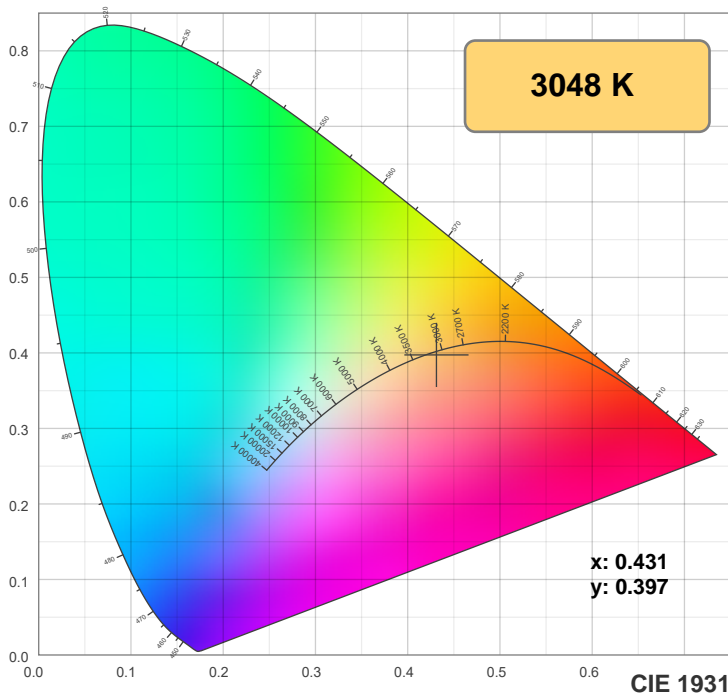
CIE 1931
x: 0.431
y: 0.397

Spectra

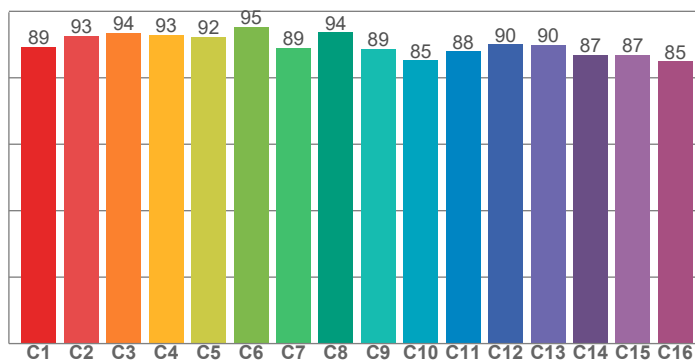


Power

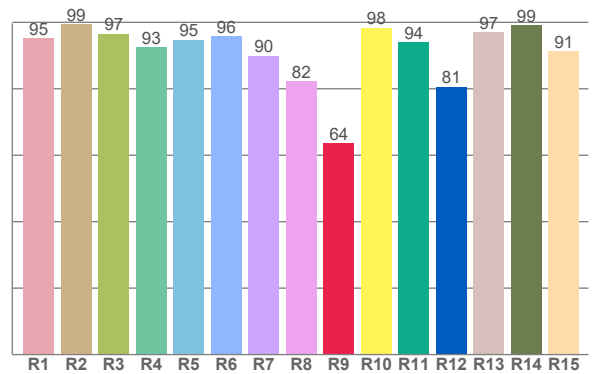




TM30: 90.2



CRI: 93.3 (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
95.2	99.4	96.6	92.6	94.8	95.8	90.0	82.2	63.6	98.4	94.0	80.6	97.1	99.1	91.3

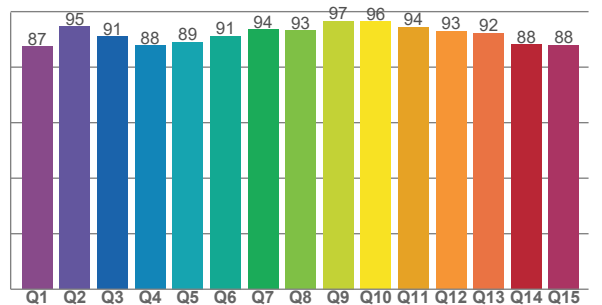
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.3	92.5	93.6	92.9	92.3	95.4	88.9	93.7	88.7	85.2	88.0	90.0	89.8	87.0	86.9	85.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.4	94.6	91.0	87.8	89.1	91.3	93.6	93.2	96.6	96.5	94.4	92.9	92.2	88.1	88.0

CQS: 91.1



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
3048 K	93.3	63.6	90.2	97.0	91.1	0.431	0.397	0.250	0.345	-0.0019

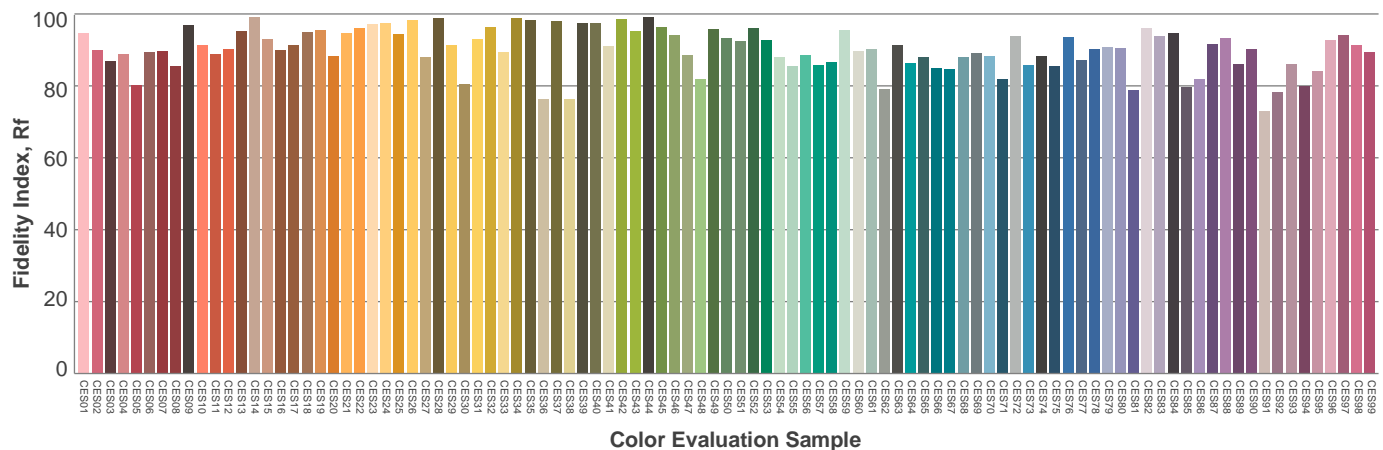
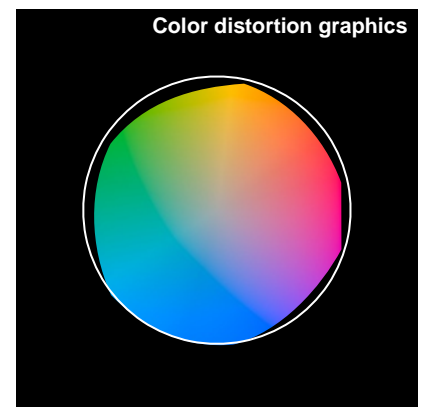
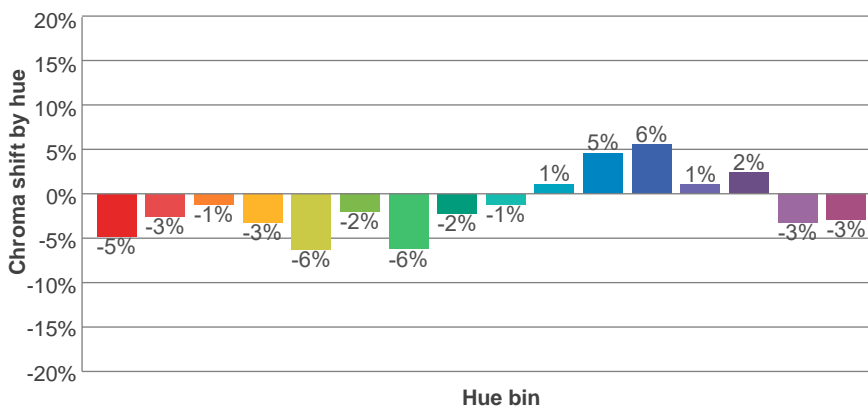
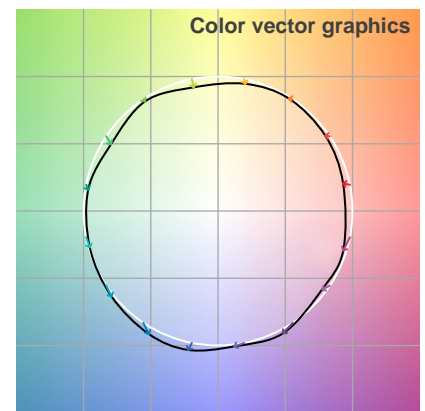
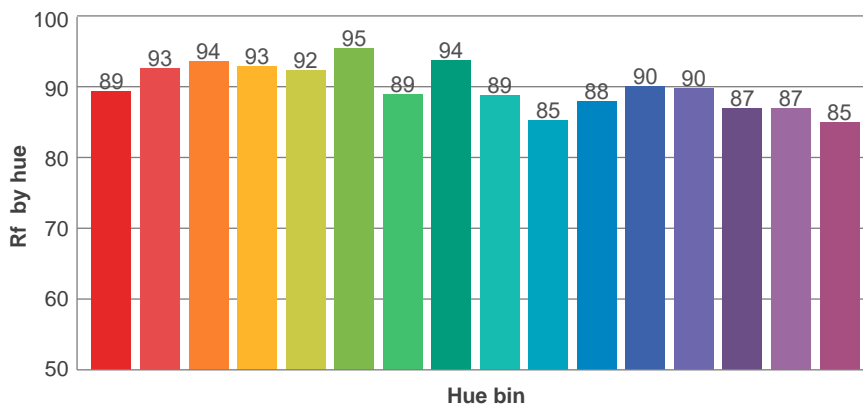
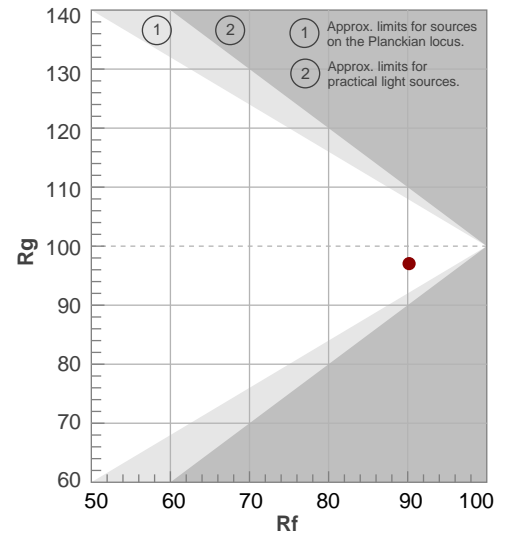
Rf 90.2

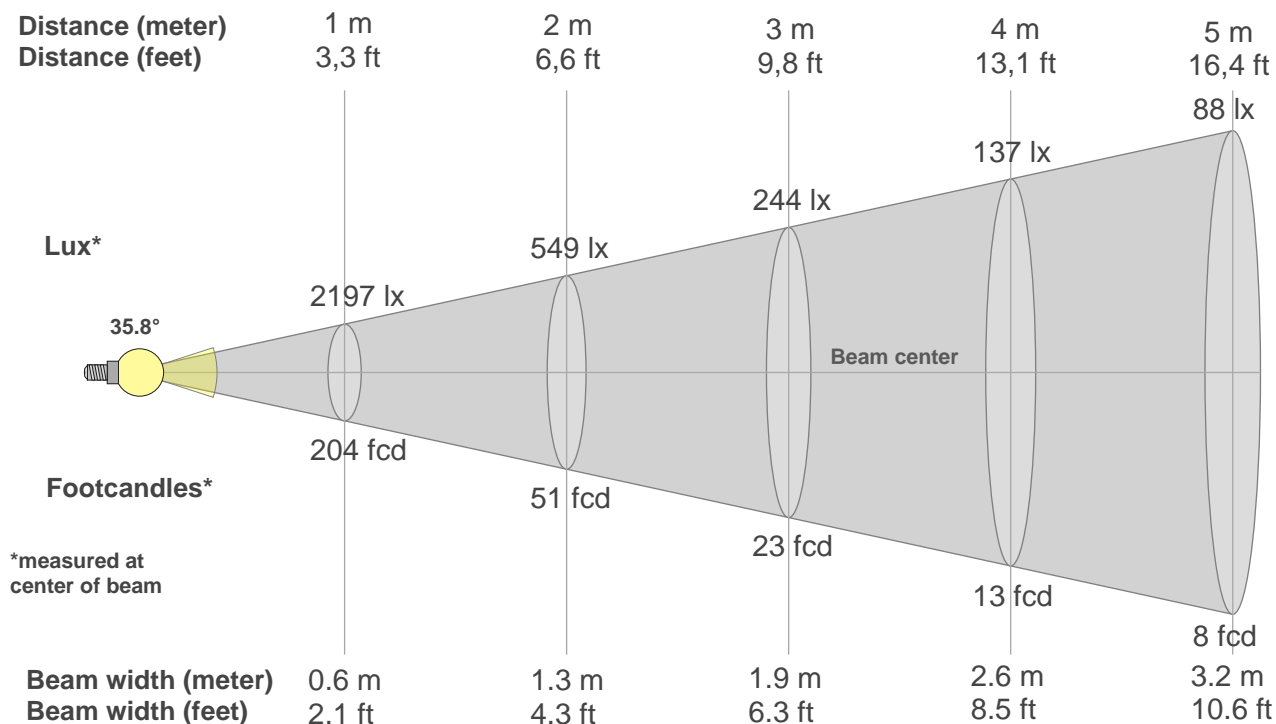
Fidelity index Rf

Rg 97.0

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	93	-3%	2%
3	94	-1%	3%
4	93	-3%	-1%
5	92	-6%	0%
6	95	-2%	0%
7	89	-6%	3%
8	94	-2%	3%
9	89	-1%	8%
10	85	1%	9%
11	88	5%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-5%
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
2197lx	549lx	244lx	137lx	88lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	5lx
204.1fcd	51fcd	22.7fcd	12.8fcd	8.2fcd	5.7fcd	4.2fcd	3.2fcd	2.5fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

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°
2197	2170	2103	2002	1880	1743	1593	1432	1266	1104	959	828	712	614	538	465	378	288	202	123
100%	99%	96%	91%	86%	79%	72%	65%	58%	50%	44%	38%	32%	28%	24%	21%	17%	13%	9%	6%

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°
2197	2171	2103	1994	1863	1720	1565	1404	1243	1086	939	809	697	602	527	461	384	295	201	117
100%	99%	96%	91%	85%	78%	71%	64%	57%	49%	43%	37%	32%	27%	24%	21%	17%	13%	9%	5%

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°
2197	2180	2120	2024	1901	1763	1609	1444	1270	1104	954	817	698	604	530	458	377	288	201	124
100%	99%	97%	92%	87%	80%	73%	66%	58%	50%	43%	37%	32%	27%	24%	21%	17%	13%	9%	6%

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°
2197	2176	2108	2007	1879	1736	1580	1414	1246	1086	943	813	699	603	527	461	385	298	205	119
100%	99%	96%	91%	86%	79%	72%	64%	57%	49%	43%	37%	32%	27%	24%	21%	18%	14%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.8°	71.1°	80.6°	99.4%	99.1%