

Light efficiency:

94 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2956 K

Output: 3409 lm

Peak: 4043 cd

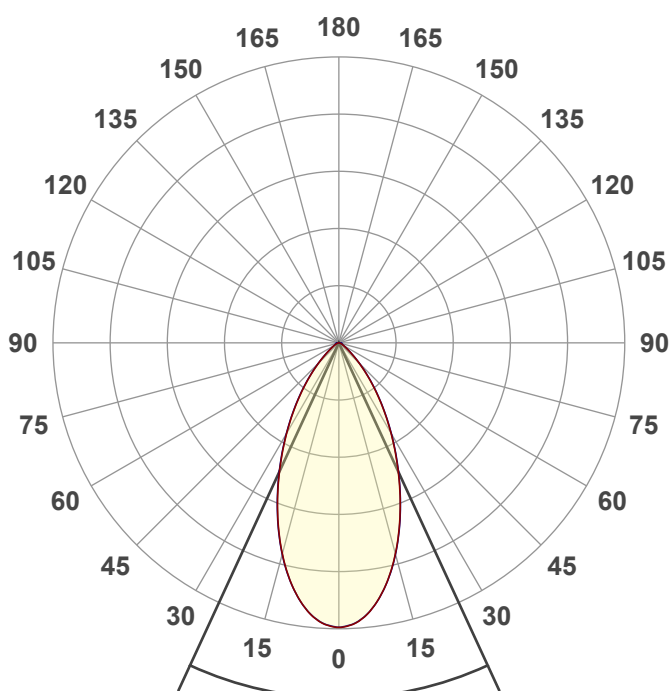
Power: 36.3 W

PF: 0.98



NU4-SD-SW-40LM-30K-80-35D-NA-DL-WH-WH

Date and time:
12/5/2024 11:41:16 AM



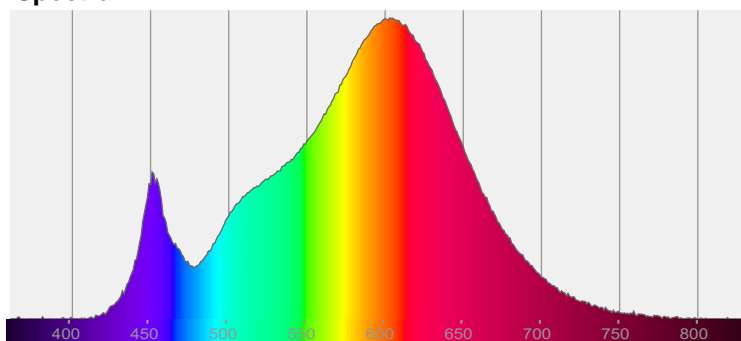
Beam angle

49.5°

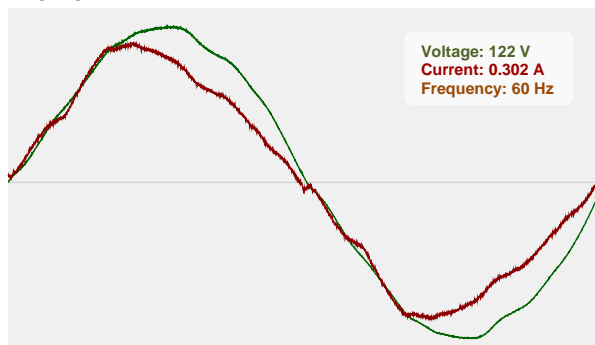


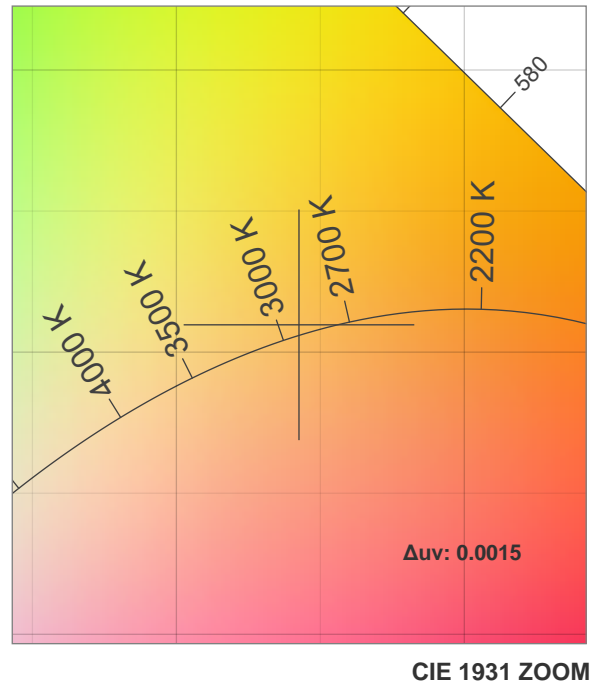
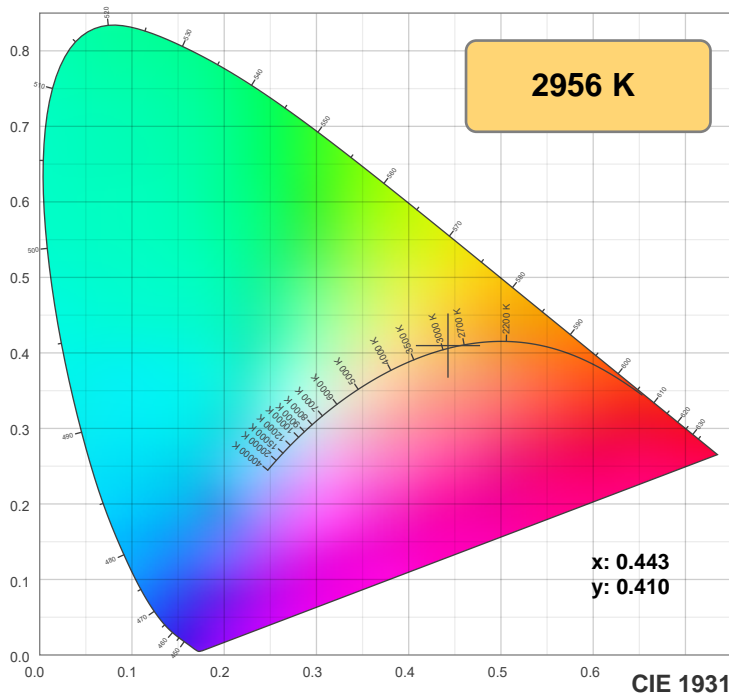
CIE 1931
x: 0.443
y: 0.410

Spectra

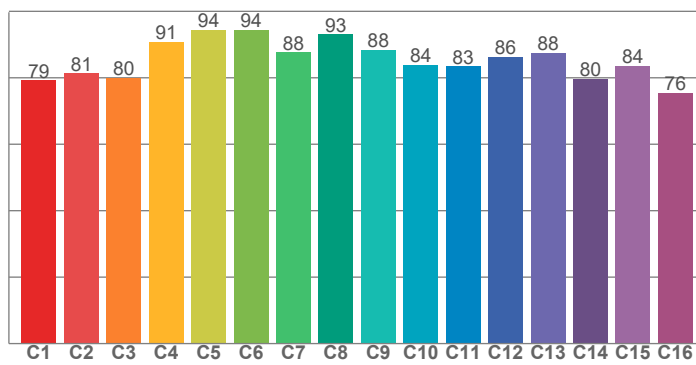


Power

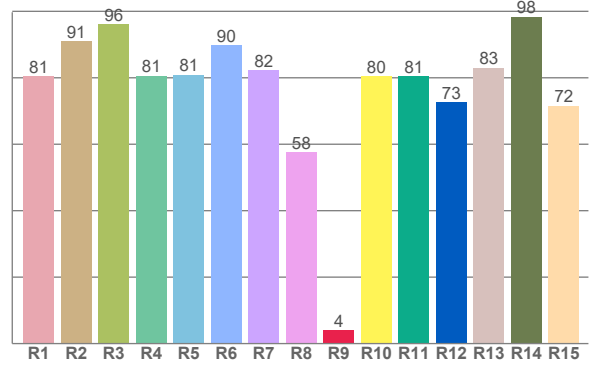




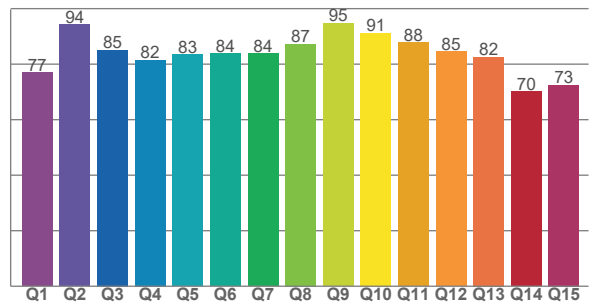
TM30: 85.4



CRI: 82.4 (R1-R8)



CQS: 82.5



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
80.5	91.1	96.0	80.6	80.9	89.9	82.3	57.6	4.1	80.4	80.5	72.6	83.0	98.3	71.6

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
79.2	81.4	80.0	90.8	94.3	94.4	87.6	93.0	88.4	83.9	83.4	86.3	87.5	79.6	83.6	75.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	94.3	85.0	81.5	83.4	83.8	83.8	87.3	94.7	91.2	87.8	84.5	82.5	70.1	72.5

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
2956 K	82.4	4.1	85.4	94.6	82.5	0.443	0.410	0.252	0.350	0.0015

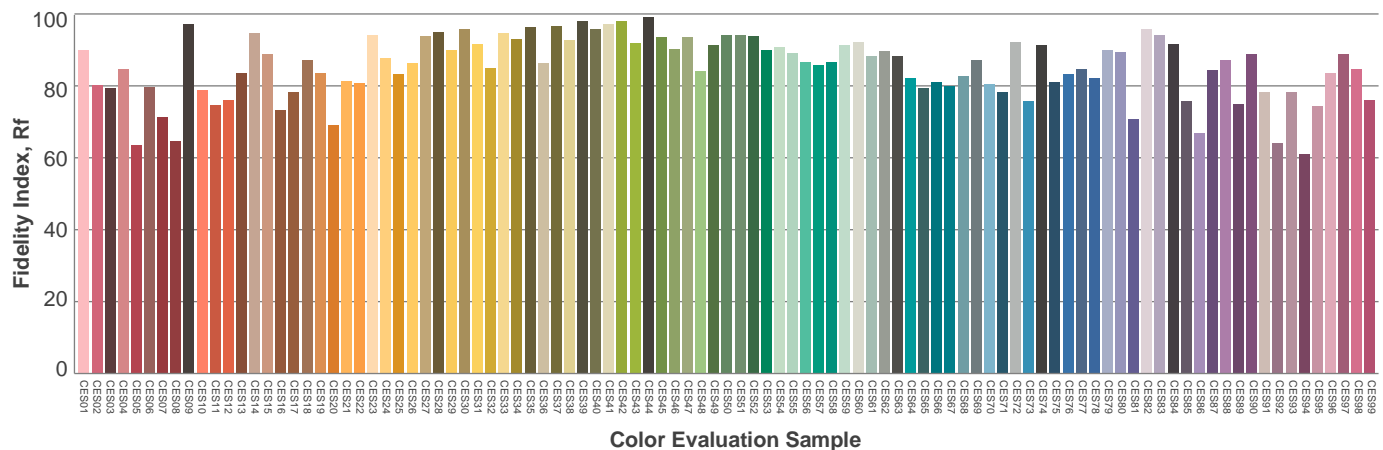
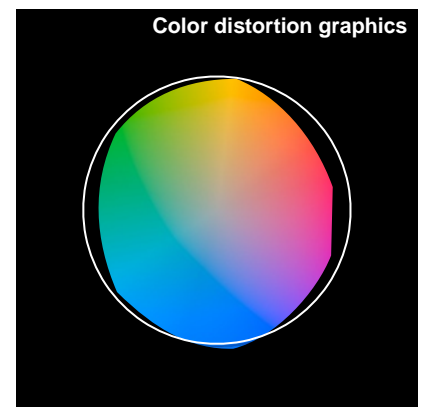
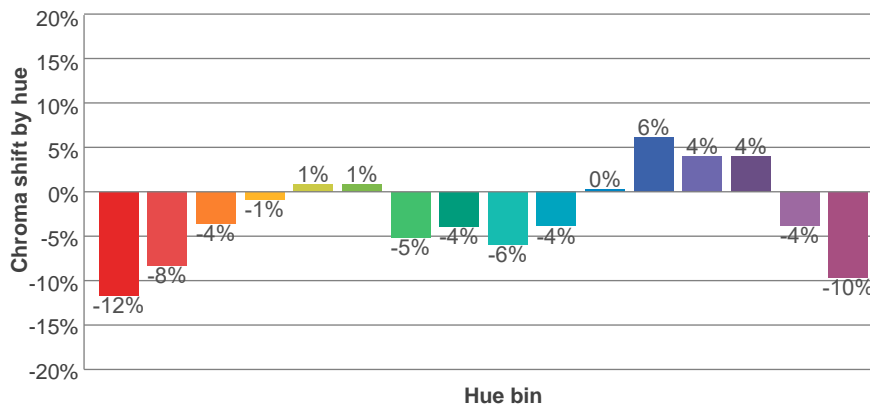
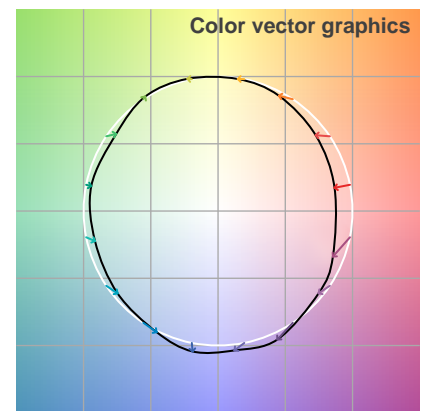
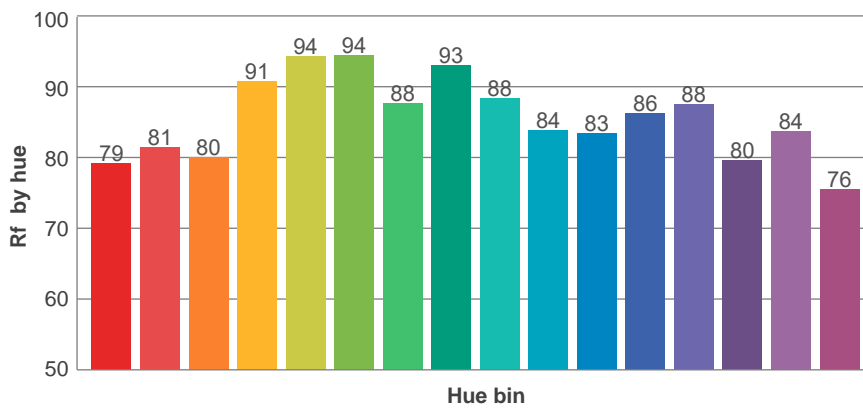
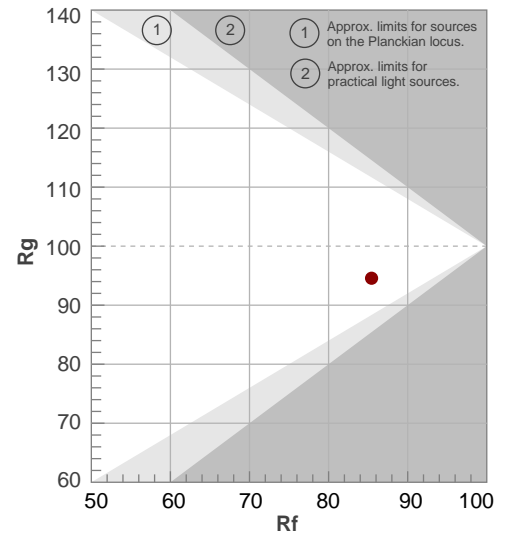
Rf 85.4

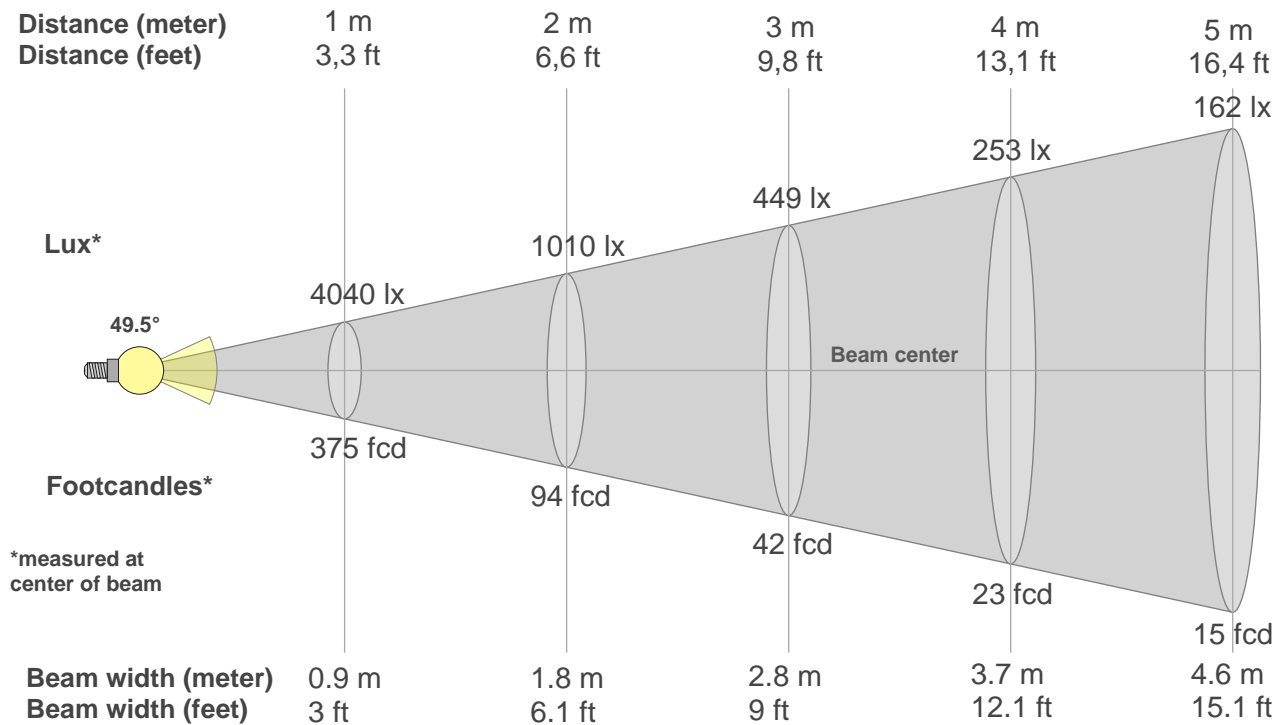
Fidelity index Rf

Rg 94.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	80	-4%	10%
4	91	-1%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-5%	-6%
8	93	-4%	0%
9	88	-6%	4%
10	84	-4%	9%
11	83	0%	12%
12	86	6%	2%
13	88	4%	-8%
14	80	4%	-16%
15	84	-4%	-9%
16	76	-10%	-17%





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
4040lx	1010lx	449lx	253lx	162lx	112lx	82lx	63lx	50lx	40lx	33lx	28lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx
375.3fcd	93.8fcd	41.7fcd	23.5fcd	15fcd	10.4fcd	7.7fcd	5.9fcd	4.6fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd

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°
4040	4021	3969	3879	3745	3588	3409	3210	2998	2775	2548	2323	2101	1884	1680	1485	1301	1128	968	822
100%	100%	98%	96%	93%	89%	84%	79%	74%	69%	63%	57%	52%	47%	42%	37%	32%	28%	24%	20%

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°
4040	4016	3962	3874	3747	3589	3411	3216	3004	2782	2557	2332	2110	1894	1691	1497	1313	1139	978	832
100%	99%	98%	96%	93%	89%	84%	80%	74%	69%	63%	58%	52%	47%	42%	37%	32%	28%	24%	21%

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°
4040	4021	3969	3879	3745	3588	3409	3210	2998	2775	2548	2323	2101	1884	1680	1485	1301	1128	968	822
100%	100%	98%	96%	93%	89%	84%	79%	74%	69%	63%	57%	52%	47%	42%	37%	32%	28%	24%	20%

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°
4040	4016	3962	3874	3747	3589	3411	3216	3004	2782	2557	2332	2110	1894	1691	1497	1313	1139	978	832
100%	99%	98%	96%	93%	89%	84%	80%	74%	69%	63%	58%	52%	47%	42%	37%	32%	28%	24%	21%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49.5°	91.3°	115.6°	96.8%	87.5%