

Light efficiency:

100 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2957 K

Output: 3652 lm

Peak: 3519 cd

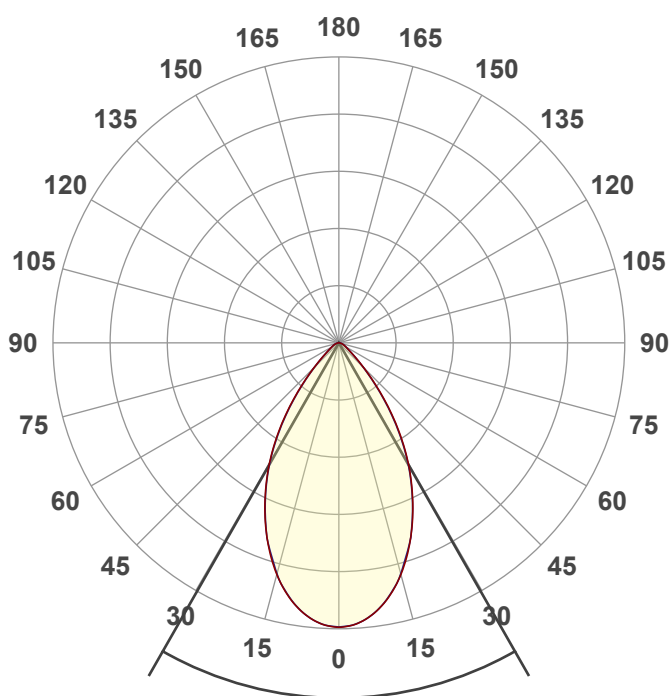
Power: 36.3 W

PF: 0.98



NU4-SD-SW-40LM-30K-80-55D-NA-DL-WH-WH

Date and time:  
12/5/2024 1:49:09 PM



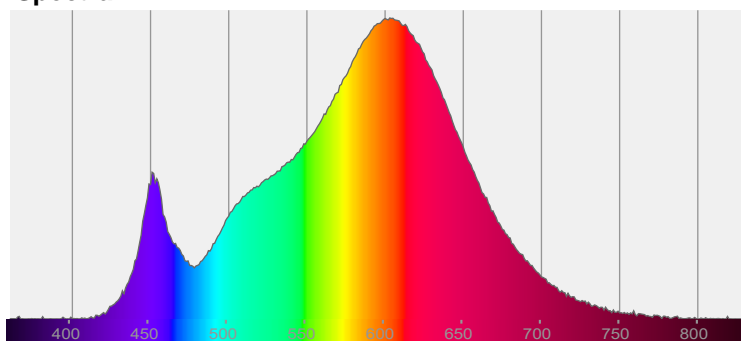
Beam angle

59.4°

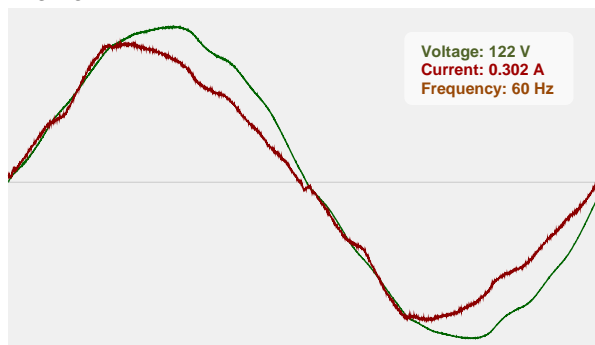


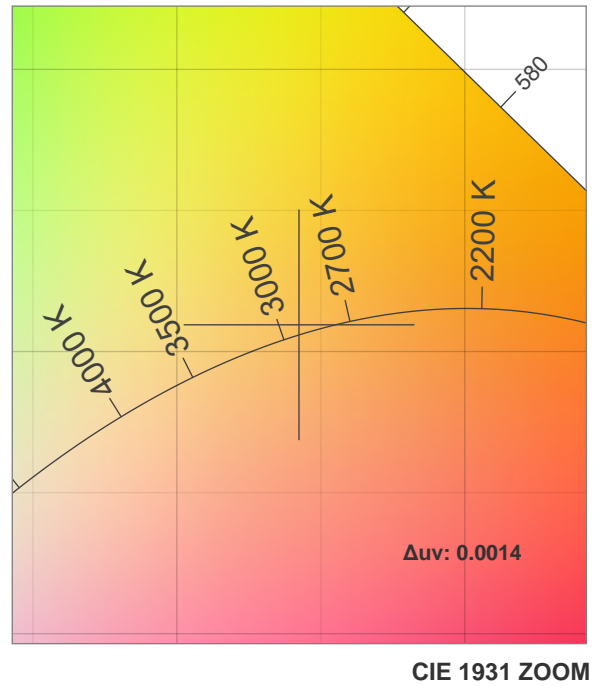
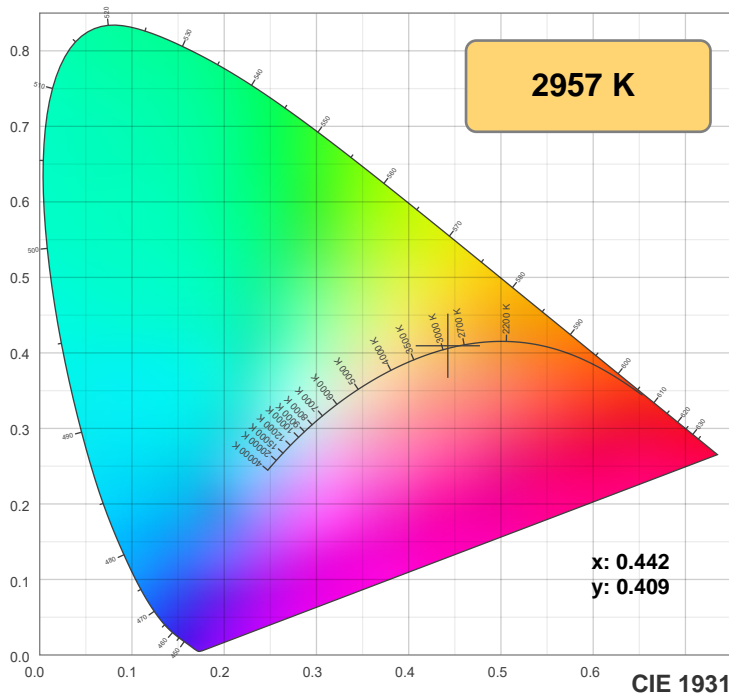
CIE 1931  
x: 0.442  
y: 0.409

Spectra

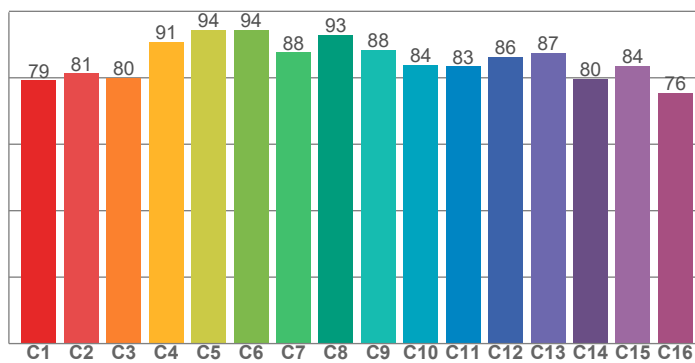


Power

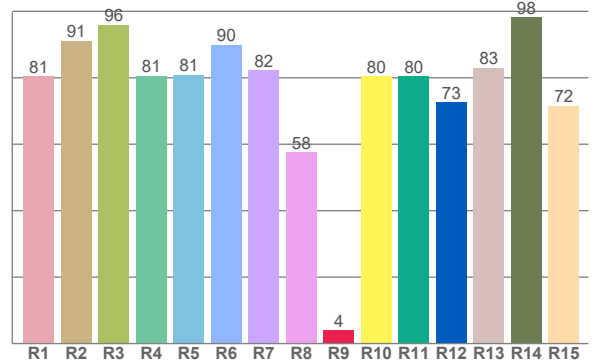




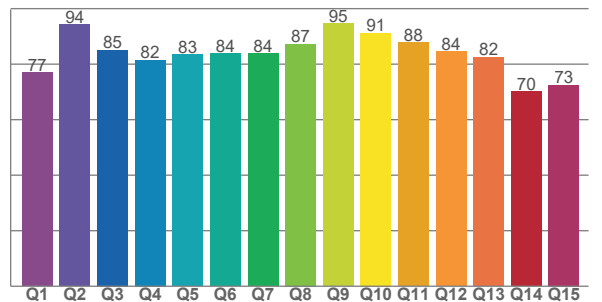
TM30: 85.4



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	57.5	4.1	80.5	80.5	72.7	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	87.2	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	$\Delta uv$
2957 K	82.4	4.1	85.4	94.6	82.5	0.442	0.409	0.252	0.350	0.0014

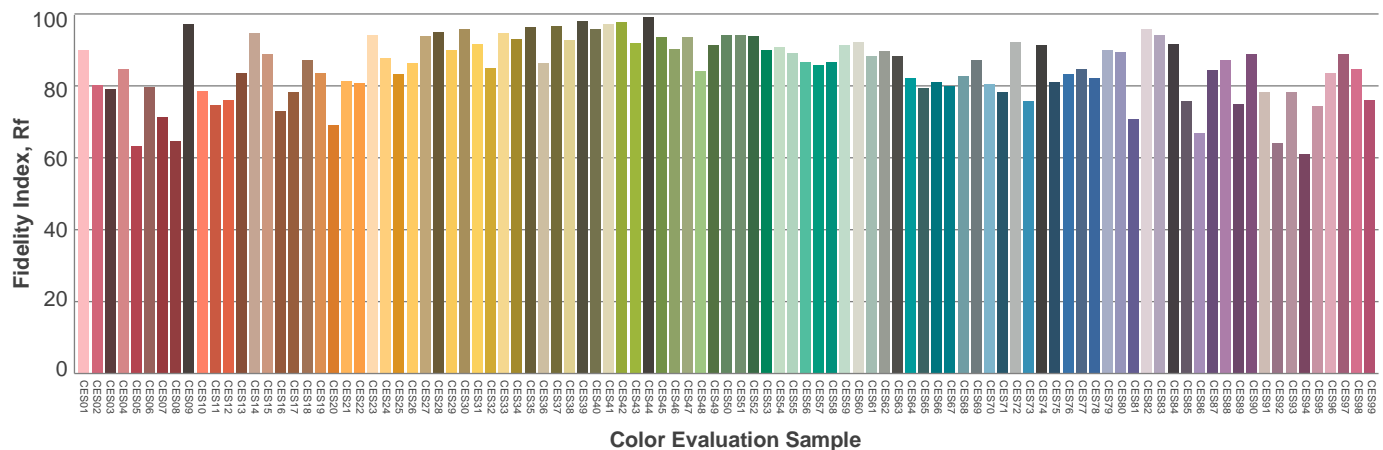
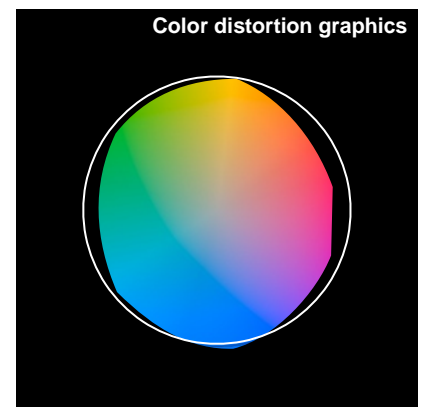
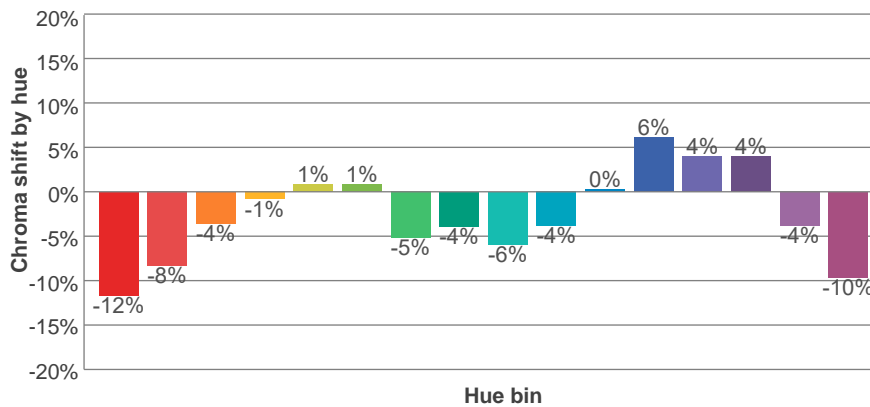
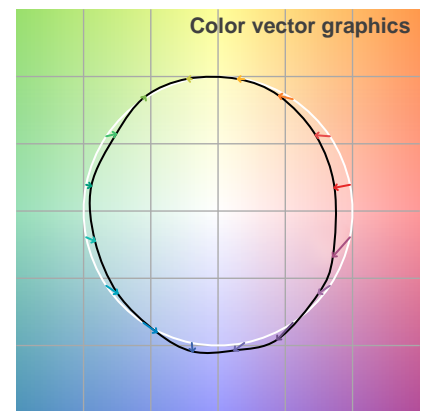
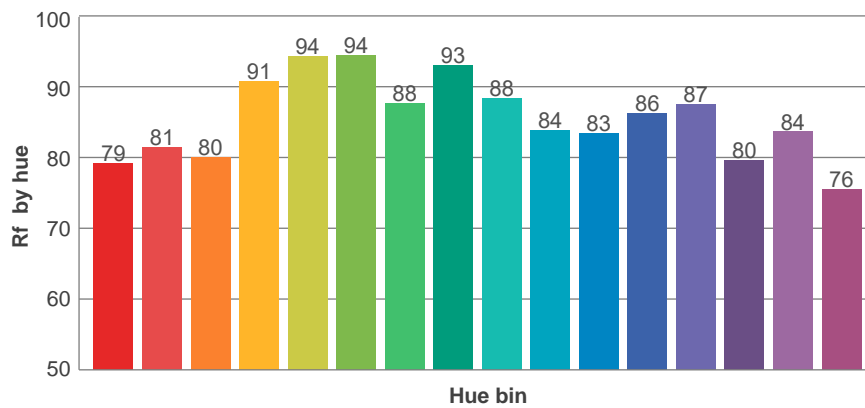
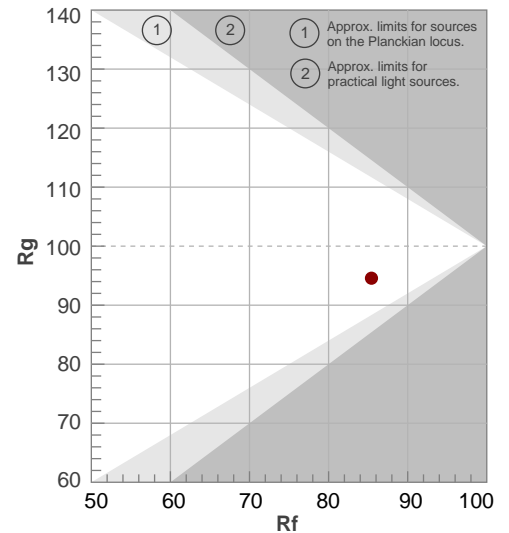
**Rf 85.4**

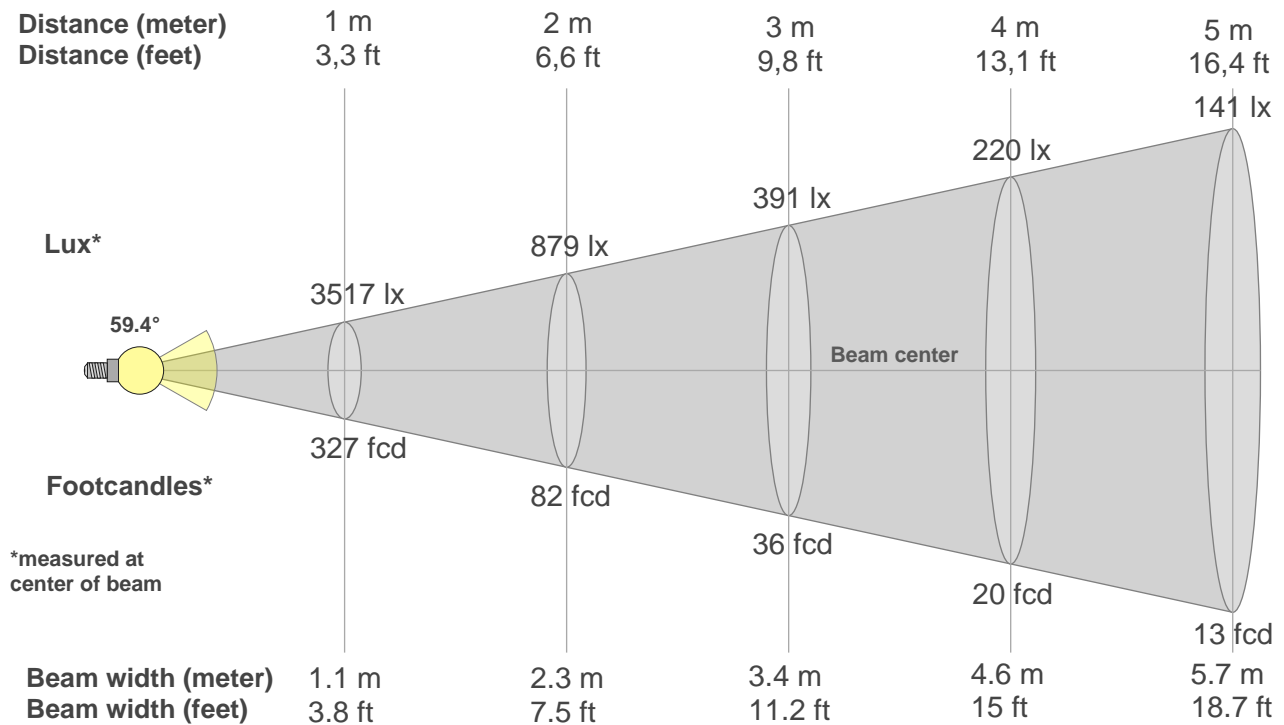
Fidelity index Rf

**Rg 94.6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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	87	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
3517lx	879lx	391lx	220lx	141lx	98lx	72lx	55lx	43lx	35lx	29lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
326.8fcd	81.7fcd	36.3fcd	20.4fcd	13.1fcd	9.1fcd	6.7fcd	5.1fcd	4fcd	3.3fcd	2.7fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

#### 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°
3517	3505	3474	3422	3353	3262	3154	3032	2896	2747	2590	2423	2251	2075	1898	1717	1530	1339	1150	966
100%	100%	99%	97%	95%	93%	90%	86%	82%	78%	74%	69%	64%	59%	54%	49%	43%	38%	33%	27%

#### 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°
3517	3503	3472	3420	3348	3259	3149	3026	2885	2737	2583	2416	2242	2066	1887	1703	1513	1320	1128	943
100%	100%	99%	97%	95%	93%	90%	86%	82%	78%	73%	69%	64%	59%	54%	48%	43%	38%	32%	27%

#### 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°
3517	3505	3474	3422	3353	3262	3154	3032	2896	2747	2590	2423	2251	2075	1898	1717	1530	1339	1150	966
100%	100%	99%	97%	95%	93%	90%	86%	82%	78%	74%	69%	64%	59%	54%	49%	43%	38%	33%	27%

#### 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°
3517	3503	3472	3420	3348	3259	3149	3026	2885	2737	2583	2416	2242	2066	1887	1703	1513	1320	1128	943
100%	100%	99%	97%	95%	93%	90%	86%	82%	78%	73%	69%	64%	59%	54%	48%	43%	38%	32%	27%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59.4°	96.9°	124.8°	96.4%	87.7%