

Light efficiency:

93 Lumen/Watt

Light quality:

CRI: 82.2

Color temperature:

3050 K

Output: 1980 lm

Peak: 2448 cd

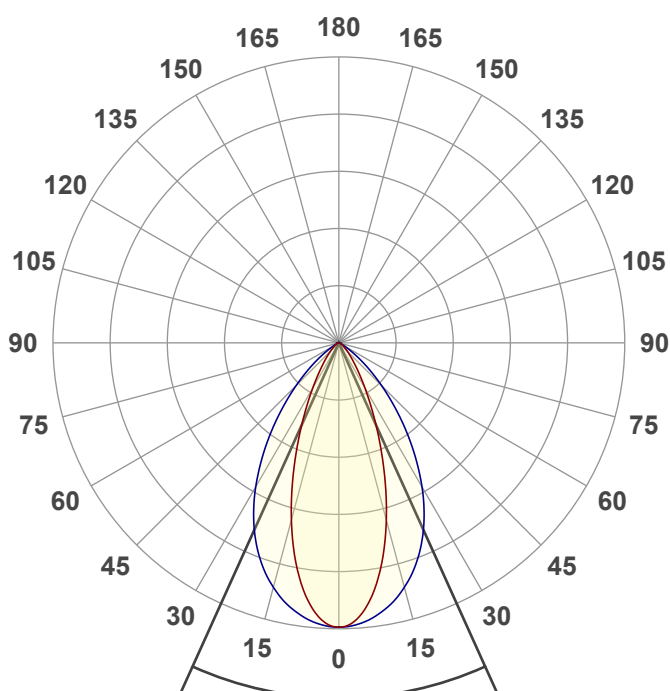
Power: 21.3 W

PF: 0.98



NU4-SD-SW-20LM-30K-80-20D-NA-E-WH-WH

Date and time:
12/2/2024 10:44:57 AM



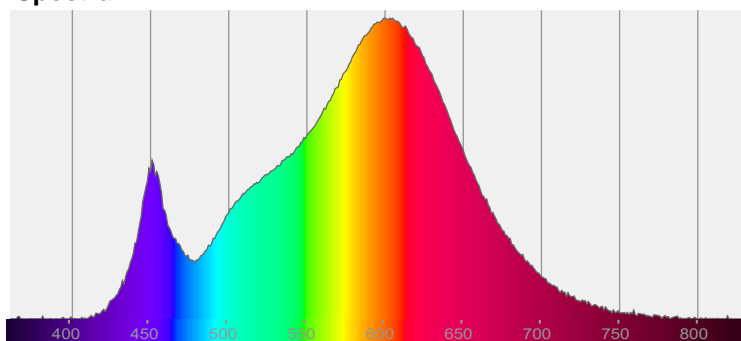
Beam angle

48.7°

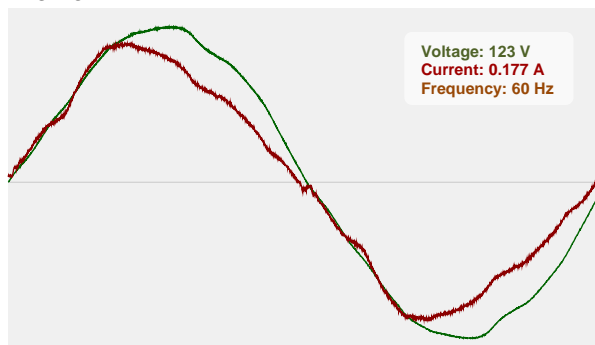


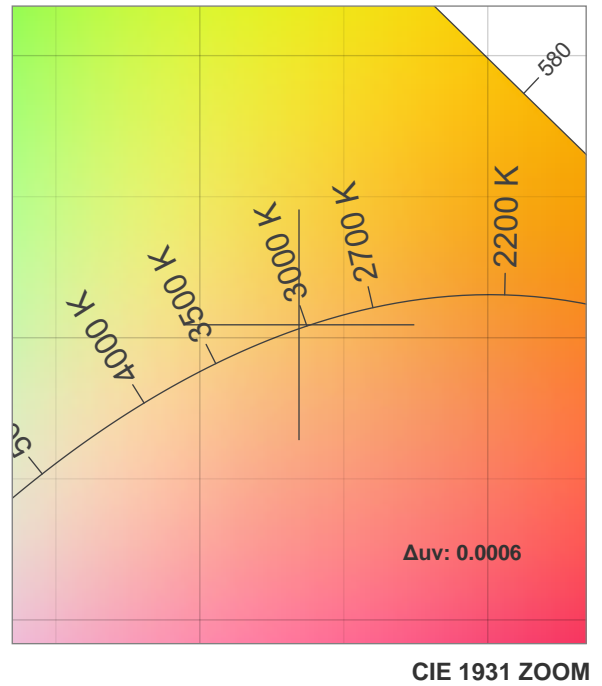
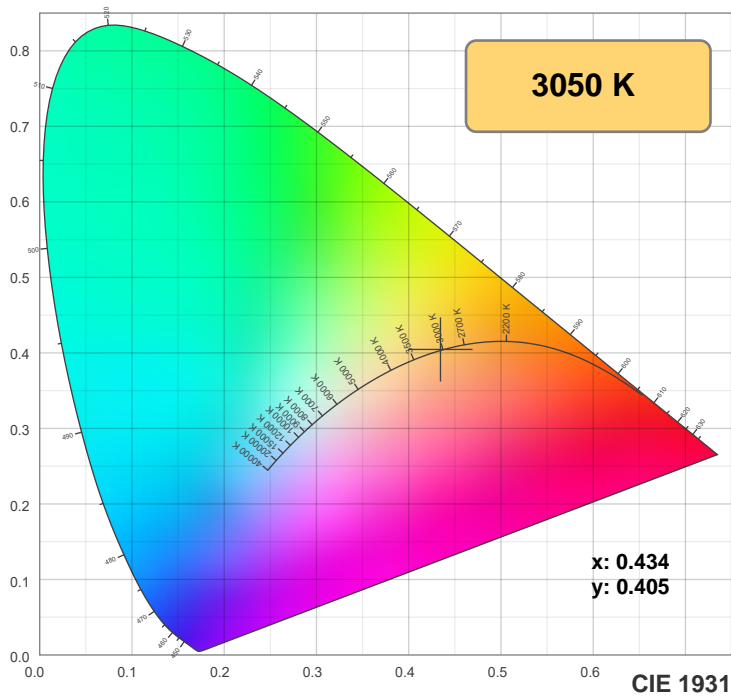
CIE 1931
x: 0.434
y: 0.405

Spectra

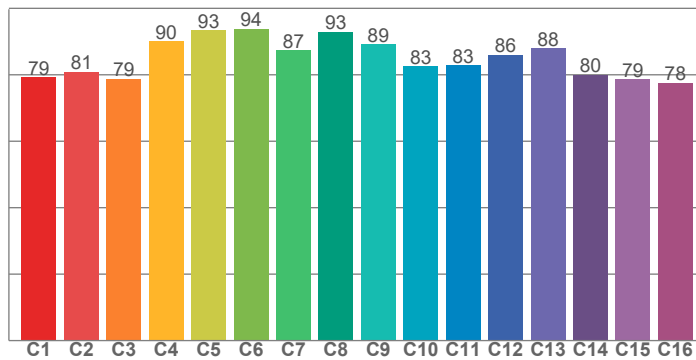


Power

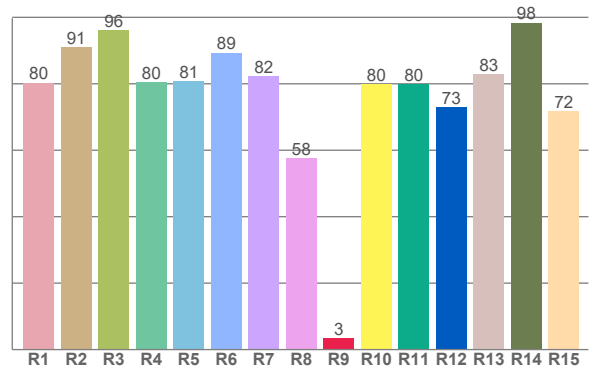




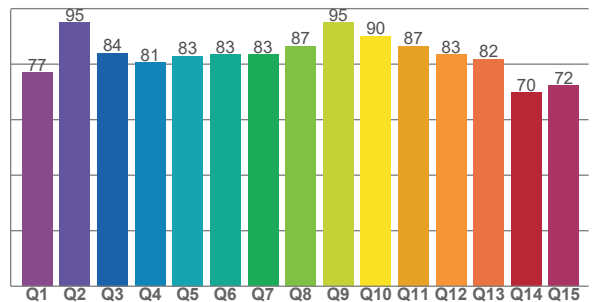
TM30: 85.2



CRI: 82.2 (R1-R8)



CQS: 82.0



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
80.3	90.9	96.0	80.4	80.8	89.3	82.3	57.7	3.4	79.8	80.0	72.9	82.9	98.4	71.8

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	80.9	78.8	90.0	93.4	93.8	87.3	92.9	89.1	82.6	82.8	86.1	88.0	80.0	78.7	77.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	94.9	84.0	80.6	82.9	83.4	83.4	86.5	95.0	90.2	86.5	83.4	81.8	69.8	72.2

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
3050 K	82.2	3.4	85.2	95.2	82.0	0.434	0.405	0.249	0.347	0.0006

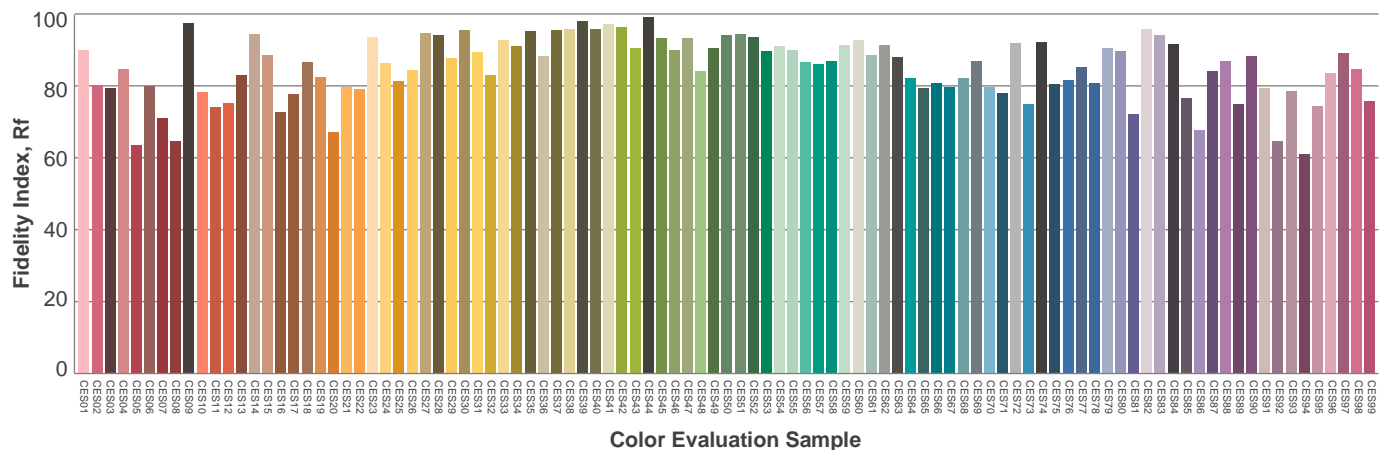
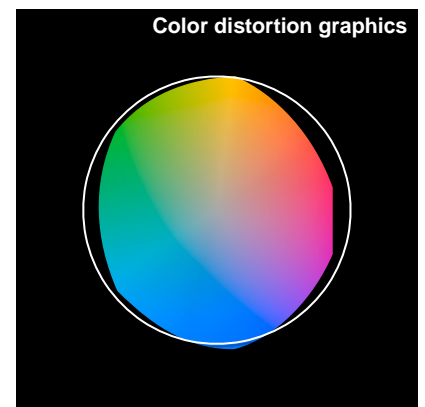
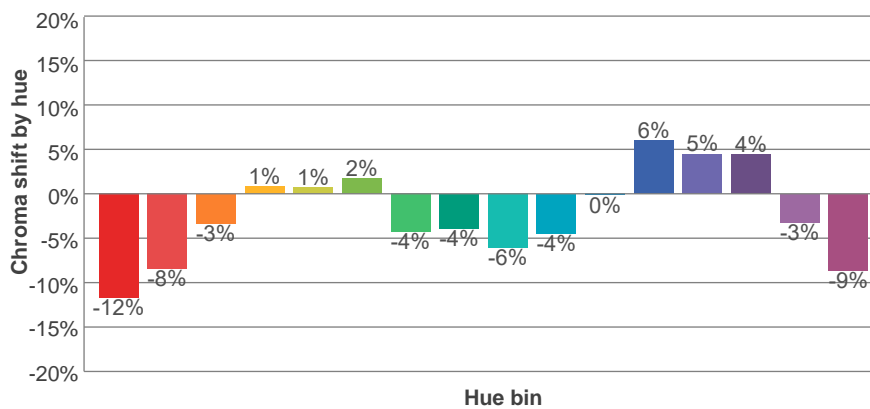
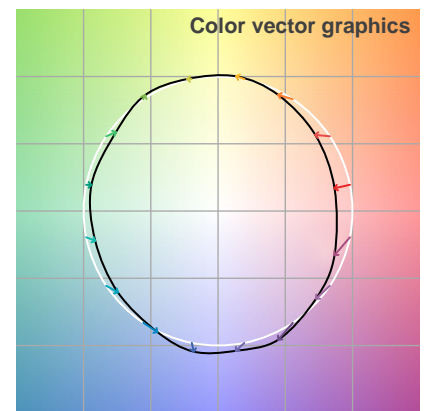
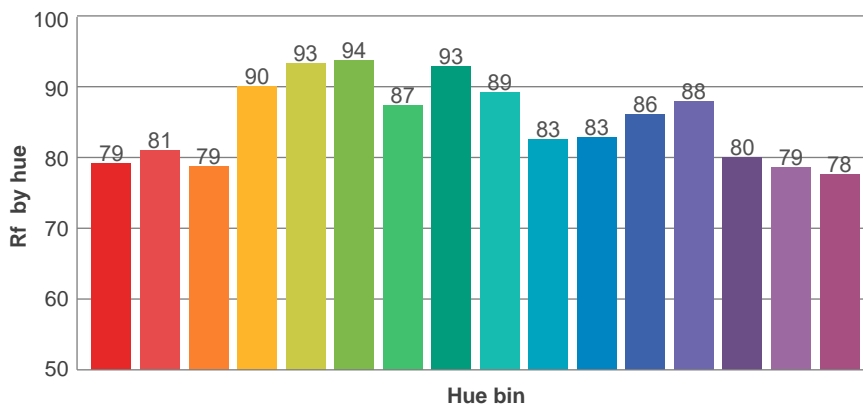
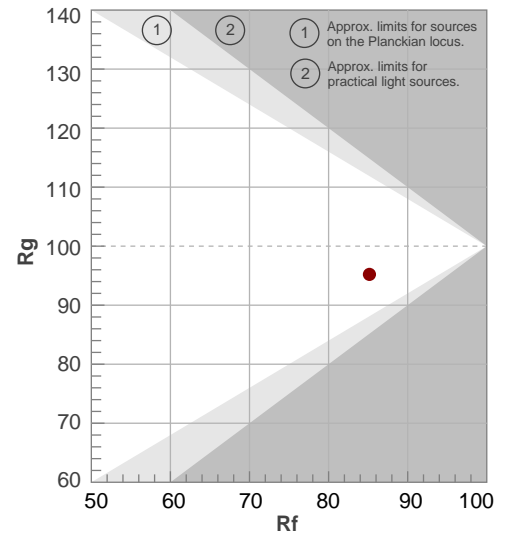
Rf 85.2

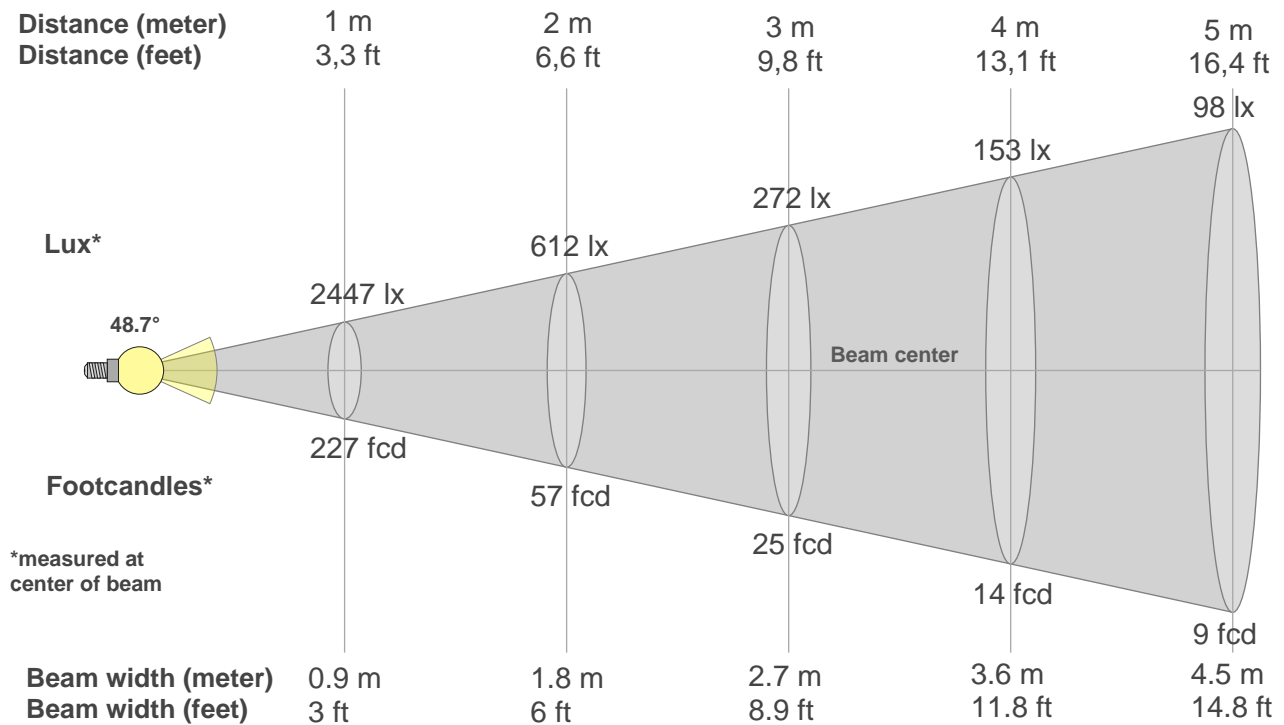
Fidelity index Rf

Rg 95.2

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	79	-3%	11%
4	90	1%	6%
5	93	1%	3%
6	94	2%	-3%
7	87	-4%	-6%
8	93	-4%	-1%
9	89	-6%	4%
10	83	-4%	9%
11	83	0%	12%
12	86	6%	3%
13	88	5%	-7%
14	80	4%	-16%
15	79	-3%	-14%
16	78	-9%	-15%





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
2447lx	612lx	272lx	153lx	98lx	68lx	50lx	38lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	10lx	8lx	8lx	7lx	6lx
227.4fcd	56.8fcd	25.3fcd	14.2fcd	9.1fcd	6.3fcd	4.6fcd	3.6fcd	2.8fcd	2.3fcd	1.9fcd	1.6fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

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°
2447	2429	2374	2281	2161	2013	1849	1671	1487	1301	1122	954	801	666	550	451	369	300	245	202
100%	99%	97%	93%	88%	82%	76%	68%	61%	53%	46%	39%	33%	27%	22%	18%	15%	12%	10%	8%

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°
2447	2443	2428	2402	2367	2324	2274	2212	2144	2068	1982	1887	1785	1674	1556	1432	1302	1172	1043	916
100%	100%	99%	98%	97%	95%	93%	90%	88%	84%	81%	77%	73%	68%	64%	59%	53%	48%	43%	37%

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°
2447	2429	2374	2281	2161	2013	1849	1671	1487	1301	1122	954	801	666	550	451	369	300	245	202
100%	99%	97%	93%	88%	82%	76%	68%	61%	53%	46%	39%	33%	27%	22%	18%	15%	12%	10%	8%

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°
2447	2443	2428	2402	2367	2324	2274	2212	2144	2068	1982	1887	1785	1674	1556	1432	1302	1172	1043	916
100%	100%	99%	98%	97%	95%	93%	90%	88%	84%	81%	77%	73%	68%	64%	59%	53%	48%	43%	37%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.7°	84.7°	109.7°	97.7%	89.3%