

Light efficiency:

36 Lumen/Watt

Light quality:

CRI: 83.1

Color temperature:

2894 K

Output: 1073 lm

Peak: 2174 cd

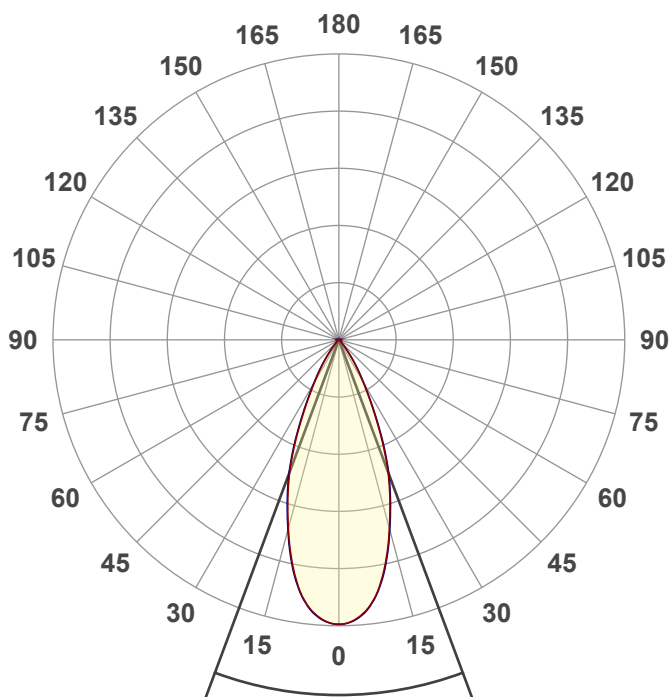
Power: 30.0 W

PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-30D-DL-SA

Date and time:
4/11/2022 10:30:01 AM



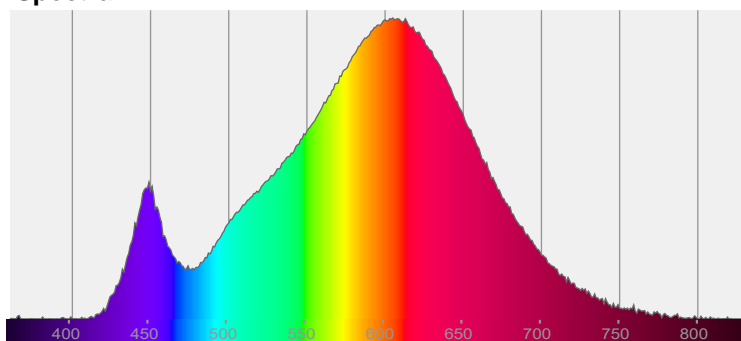
Beam angle

40.8°



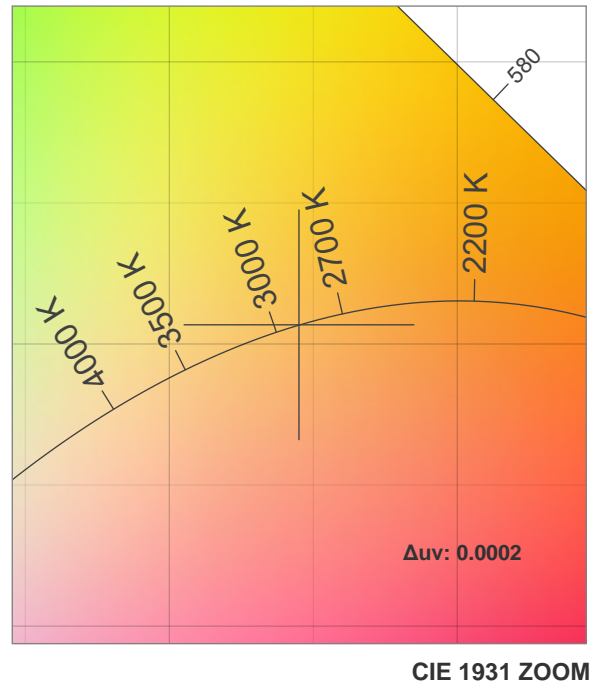
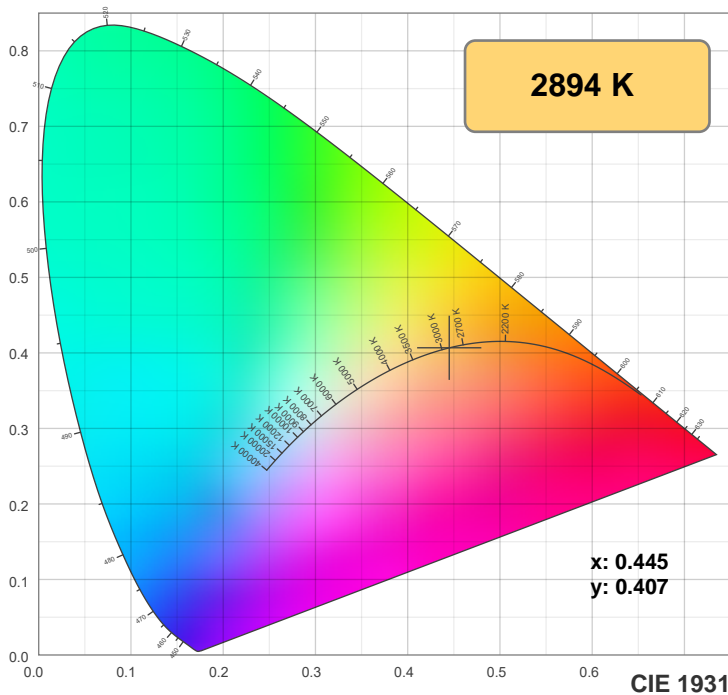
CIE 1931
x: 0.445
y: 0.407

Spectra

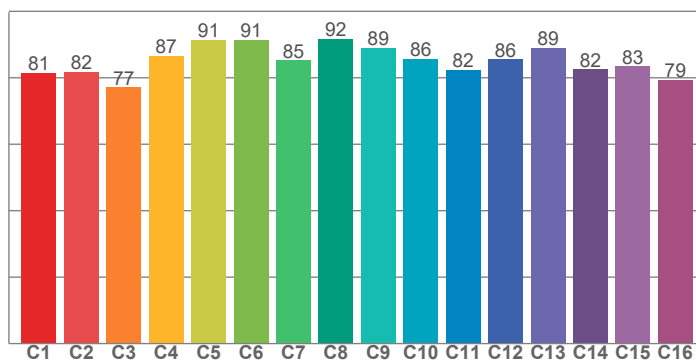


Power

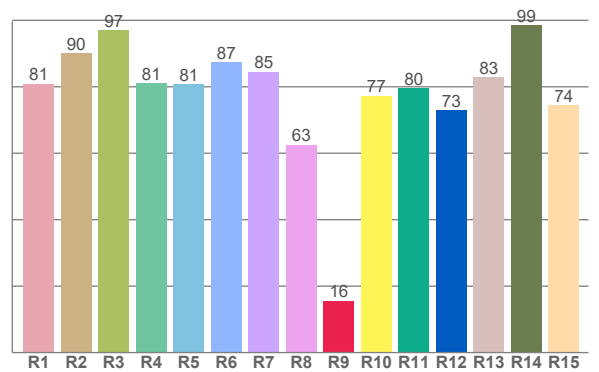
Voltage: 122 V
Current: 0.246 A
Frequency: 0 Hz



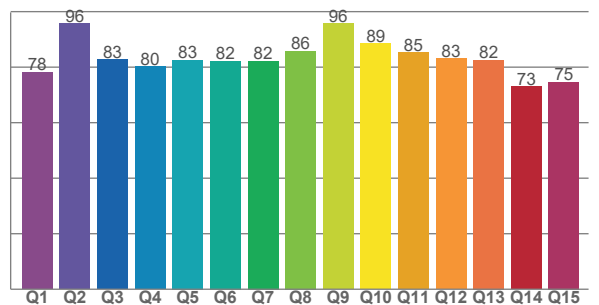
TM30: 85.0



CRI: 83.1 (R1-R8)



CQS: 82.3



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
81.0	90.0	97.1	81.1	80.8	87.4	84.6	62.6	15.6	77.3	79.6	72.9	82.8	98.5	74.5

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
81.4	81.7	77.1	86.7	91.4	91.3	85.3	91.7	89.1	85.6	82.5	85.5	88.9	82.5	83.4	79.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.7	82.8	80.2	82.5	82.2	82.3	85.7	95.7	88.5	85.2	83.1	82.5	73.1	74.6

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
2894 K	83.1	15.6	85.0	97.3	82.3	0.445	0.407	0.255	0.349	0.0002

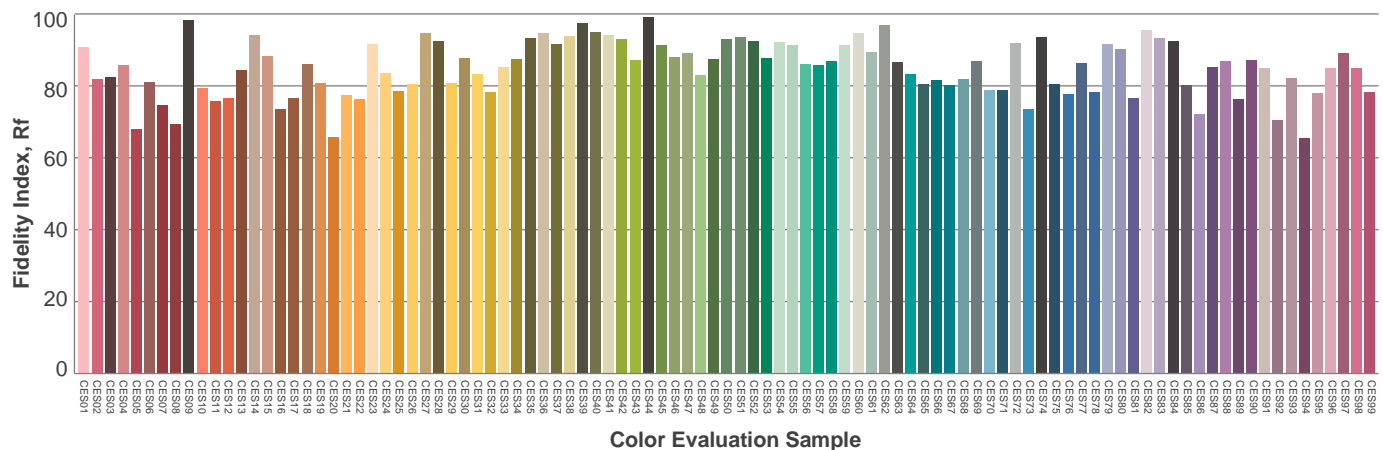
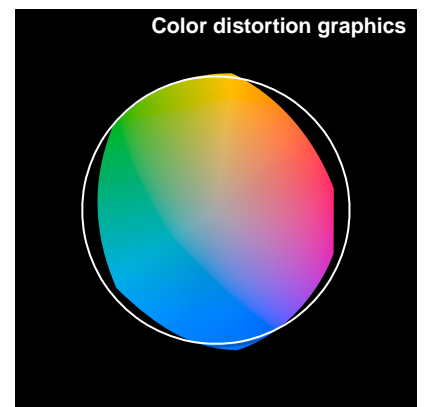
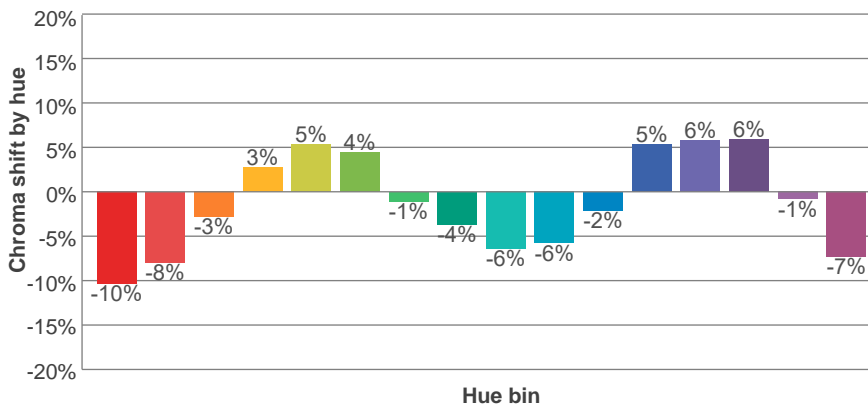
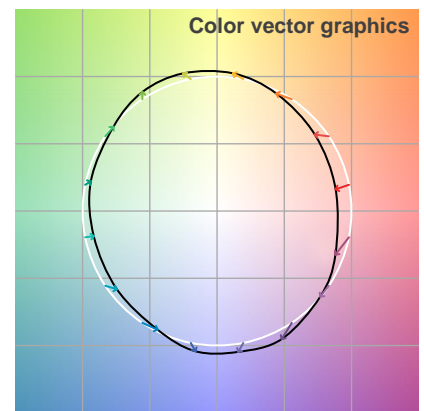
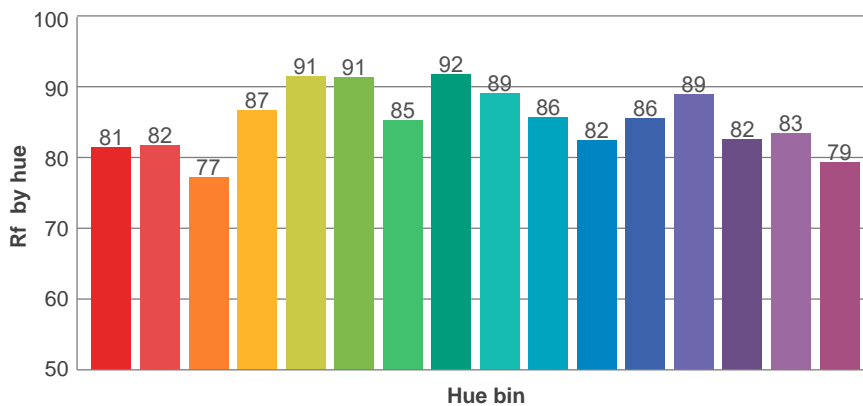
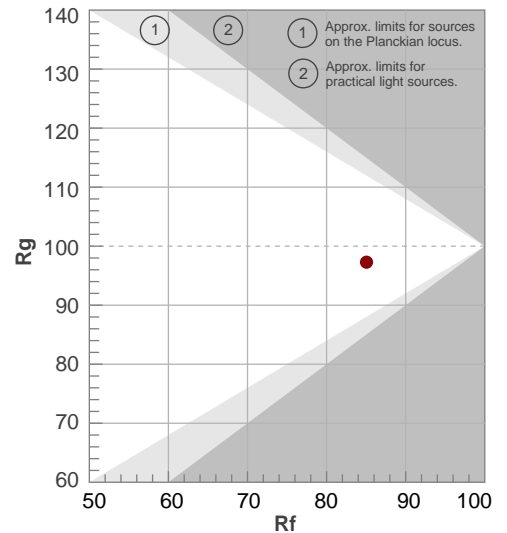
Rf 85.0

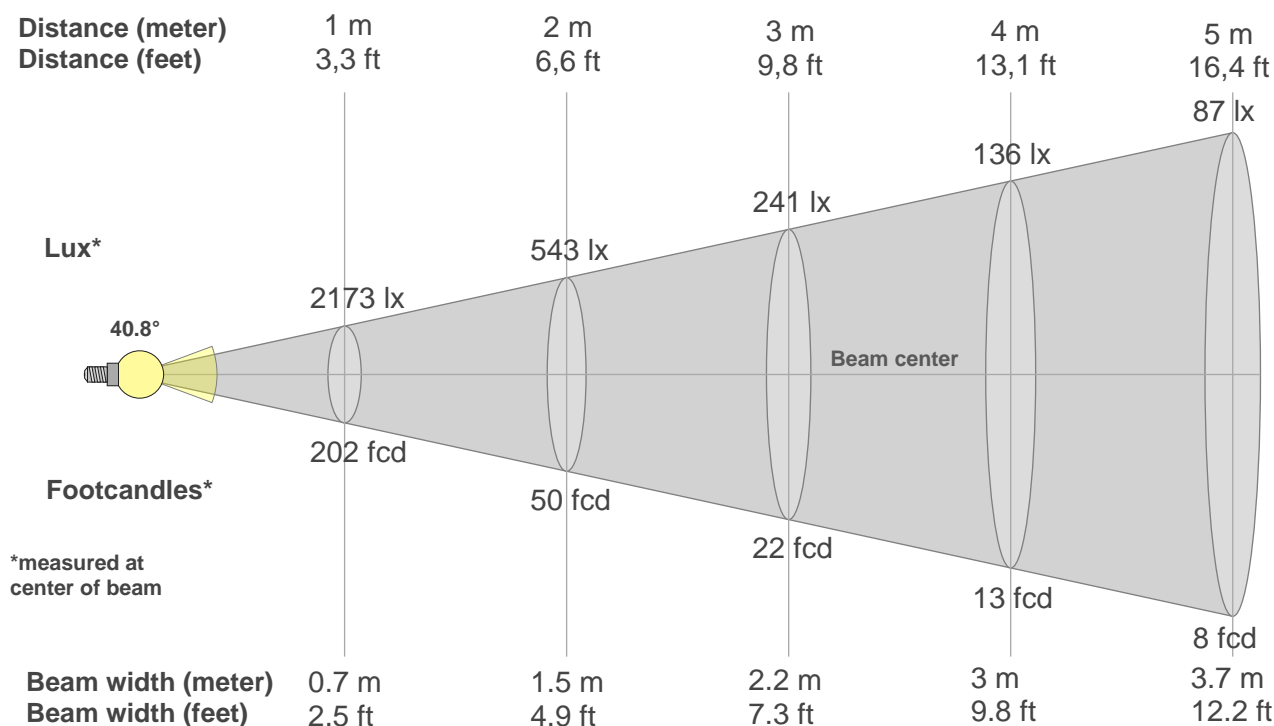
Fidelity index Rf

Rg 97.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	87	3%	8%
5	91	5%	5%
6	91	4%	-3%
7	85	-1%	-9%
8	92	-4%	-3%
9	89	-6%	0%
10	86	-6%	7%
11	82	-2%	12%
12	86	5%	5%
13	89	6%	-5%
14	82	6%	-13%
15	83	-1%	-10%
16	79	-7%	-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
2173lx	543lx	241lx	136lx	87lx	60lx	44lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	8lx	8lx	7lx	6lx	5lx
201.9fcd	50.5fcd	22.4fcd	12.6fcd	8.1fcd	5.6fcd	4.1fcd	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°
2173	2161	2127	2070	1983	1866	1726	1574	1414	1262	1109	944	772	611	476	370	286	214	151	97
100%	99%	98%	95%	91%	86%	79%	72%	65%	58%	51%	43%	36%	28%	22%	17%	13%	10%	7%	4%

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°
2173	2162	2131	2077	1990	1875	1738	1585	1427	1276	1127	963	794	633	494	384	298	223	158	103
100%	100%	98%	96%	92%	86%	80%	73%	66%	59%	52%	44%	37%	29%	23%	18%	14%	10%	7%	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°
2173	2161	2127	2070	1983	1866	1726	1574	1414	1262	1109	944	772	611	476	370	286	214	151	97
100%	99%	98%	95%	91%	86%	79%	72%	65%	58%	51%	43%	36%	28%	22%	17%	13%	10%	7%	4%

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°
2173	2162	2131	2077	1990	1875	1738	1585	1427	1276	1127	963	794	633	494	384	298	223	158	103
100%	100%	98%	96%	92%	86%	80%	73%	66%	59%	52%	44%	37%	29%	23%	18%	14%	10%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.8°	68°	81.4°	99.5%	98.7%