

Light efficiency:

36 Lumen/Watt

Light quality:

CRI: 83.4

Color temperature:

2885 K

Output: 1285 lm

Peak: 1748 cd

Power: 35.8 W

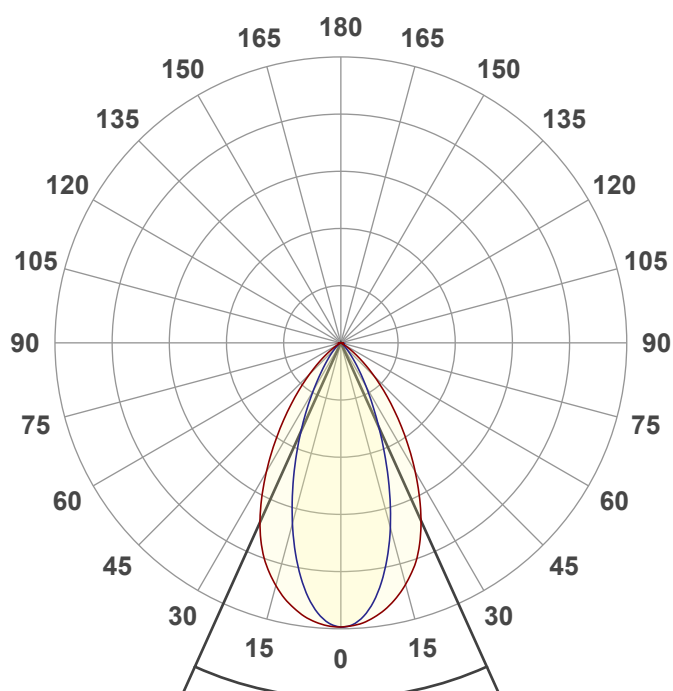
PF: 0.98



NU3-RA-XTM09-20LM-30K-83-25D-EA-NL-WH-WH

Date and time:

6/7/2022 11:47:46 AM



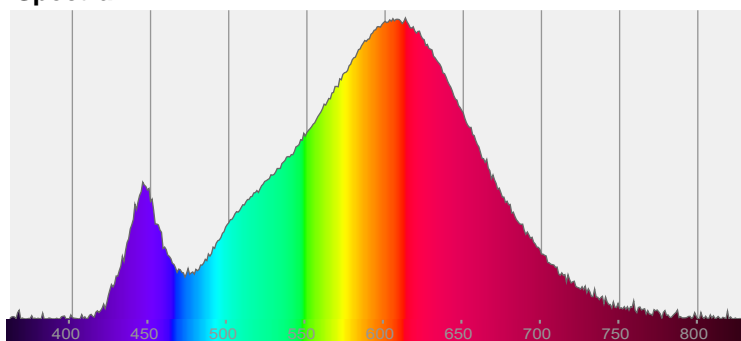
Beam angle

48.5°

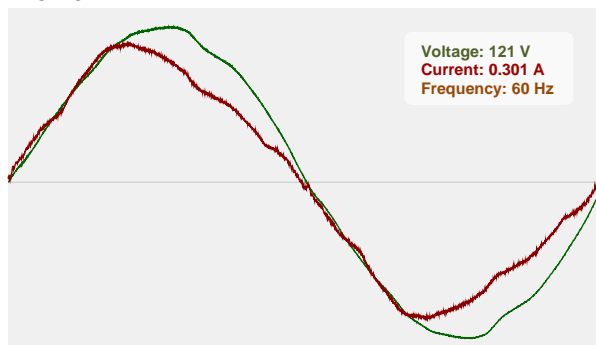


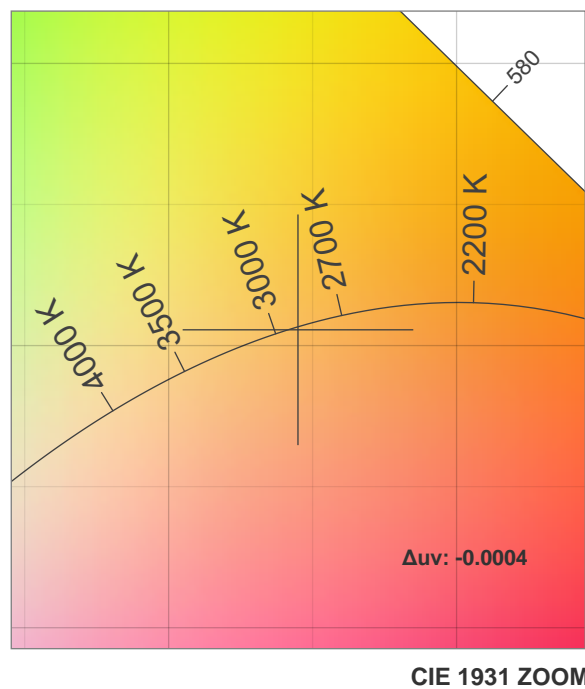
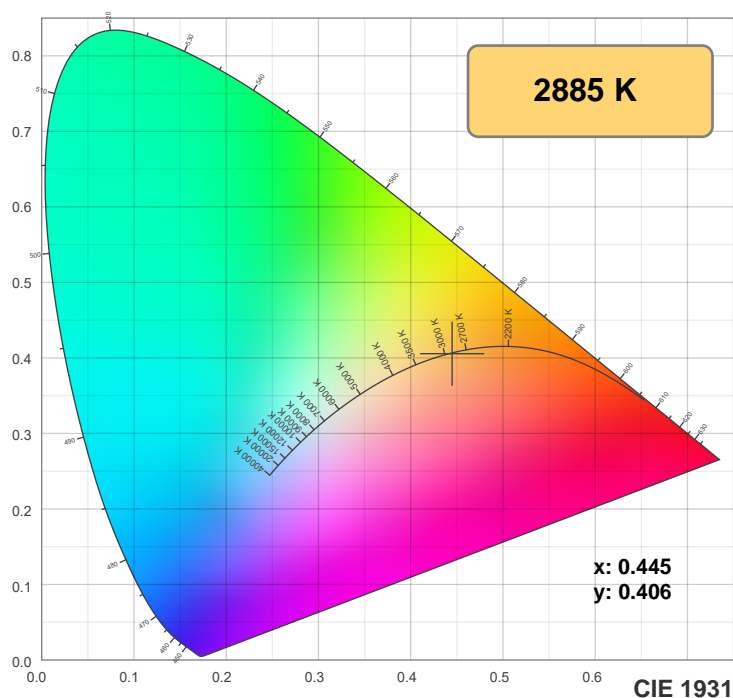
CIE 1931
x: 0.445
y: 0.406

Spectra

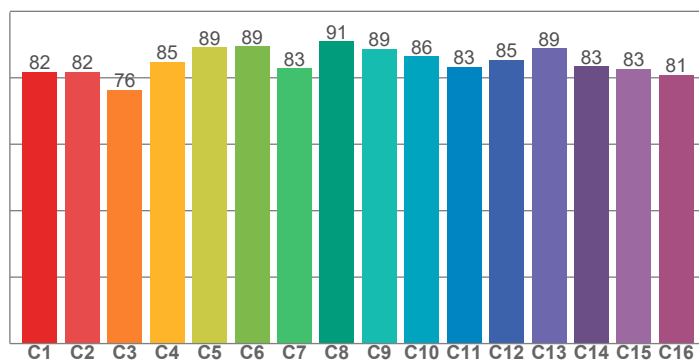


Power

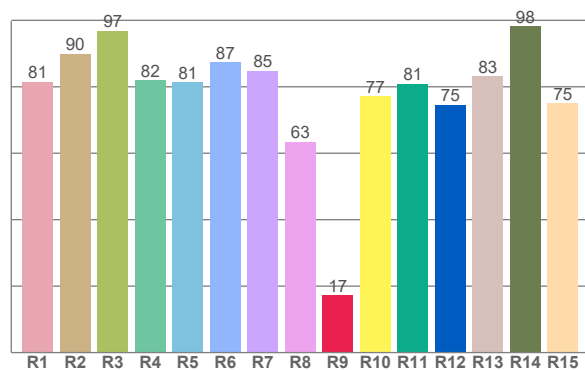




TM30: 84.7



CRI: 83.4 (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
81.5	89.9	96.8	82.0	81.4	87.4	84.8	63.4	17.4	77.1	80.9	74.6	83.1	98.2	75.0

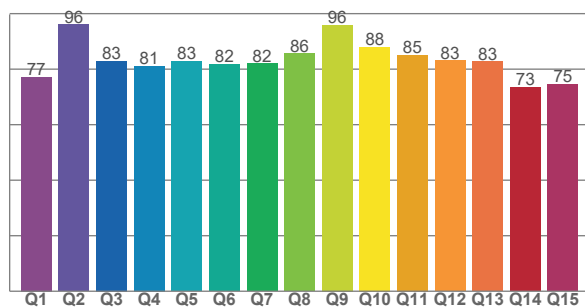
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	81.7	76.3	84.7	89.1	89.5	82.8	90.9	88.7	86.5	83.2	85.4	88.9	83.4	82.7	80.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.1	83.0	81.1	82.8	81.8	82.0	85.6	95.8	88.0	85.1	83.1	82.8	73.5	74.6

CQS: 82.3



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
2885 K	83.4	17.4	84.7	98.4	82.3	0.445	0.406	0.255	0.349	-0.0004

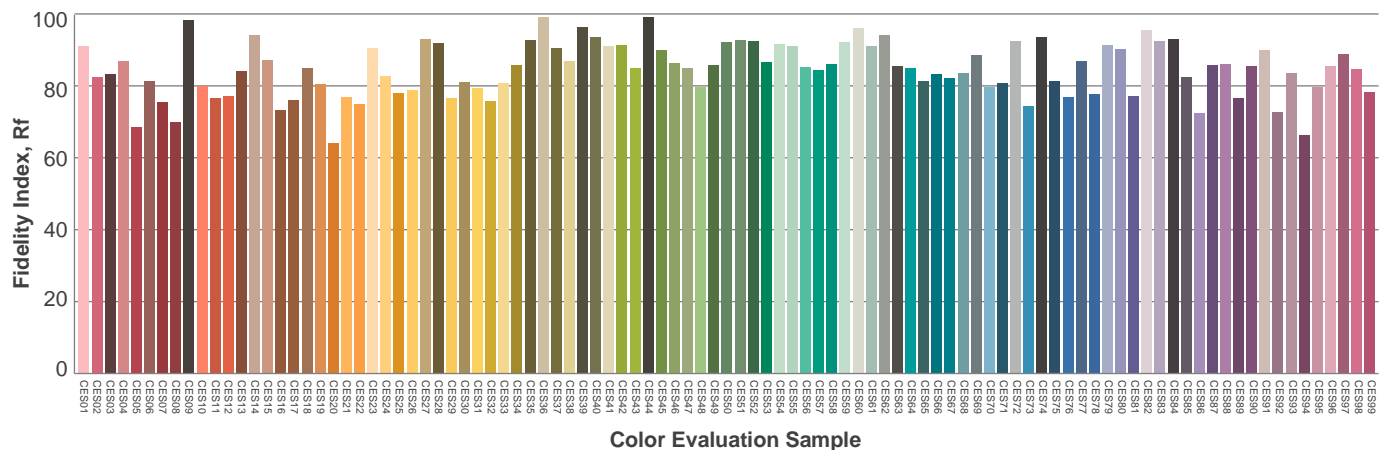
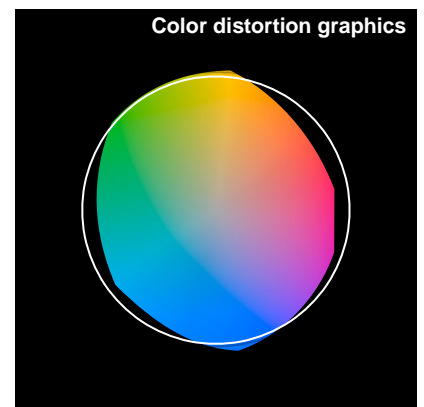
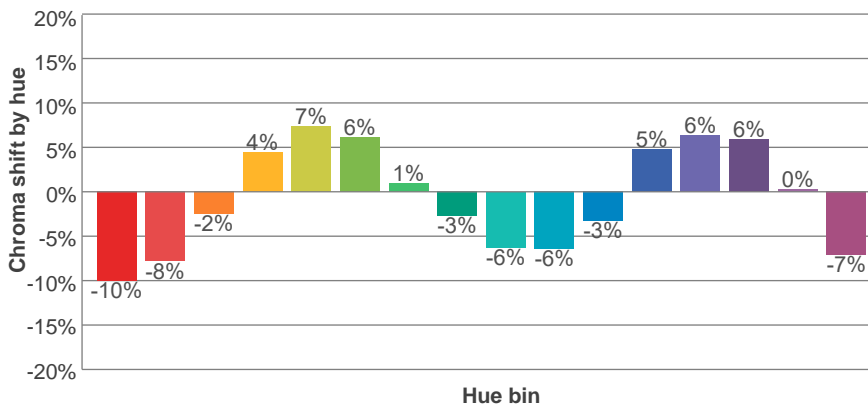
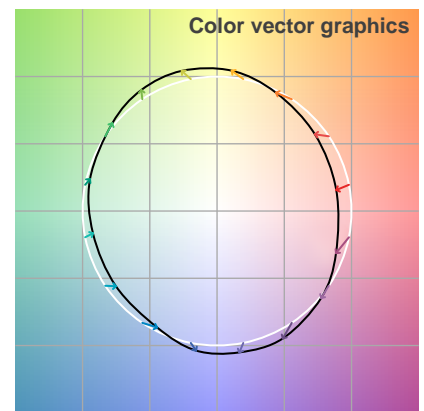
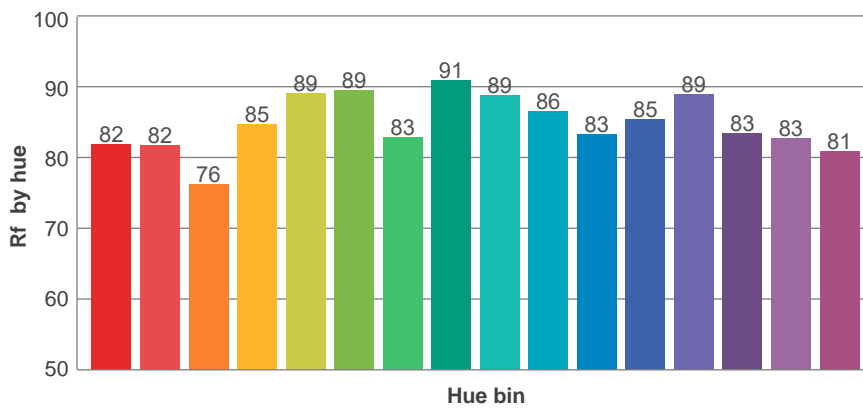
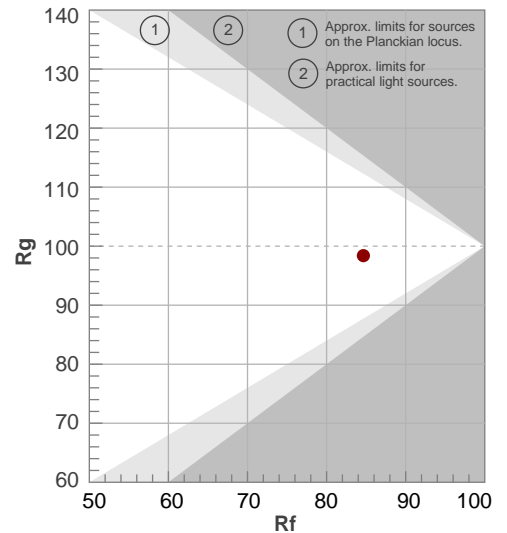
Rf 84.7

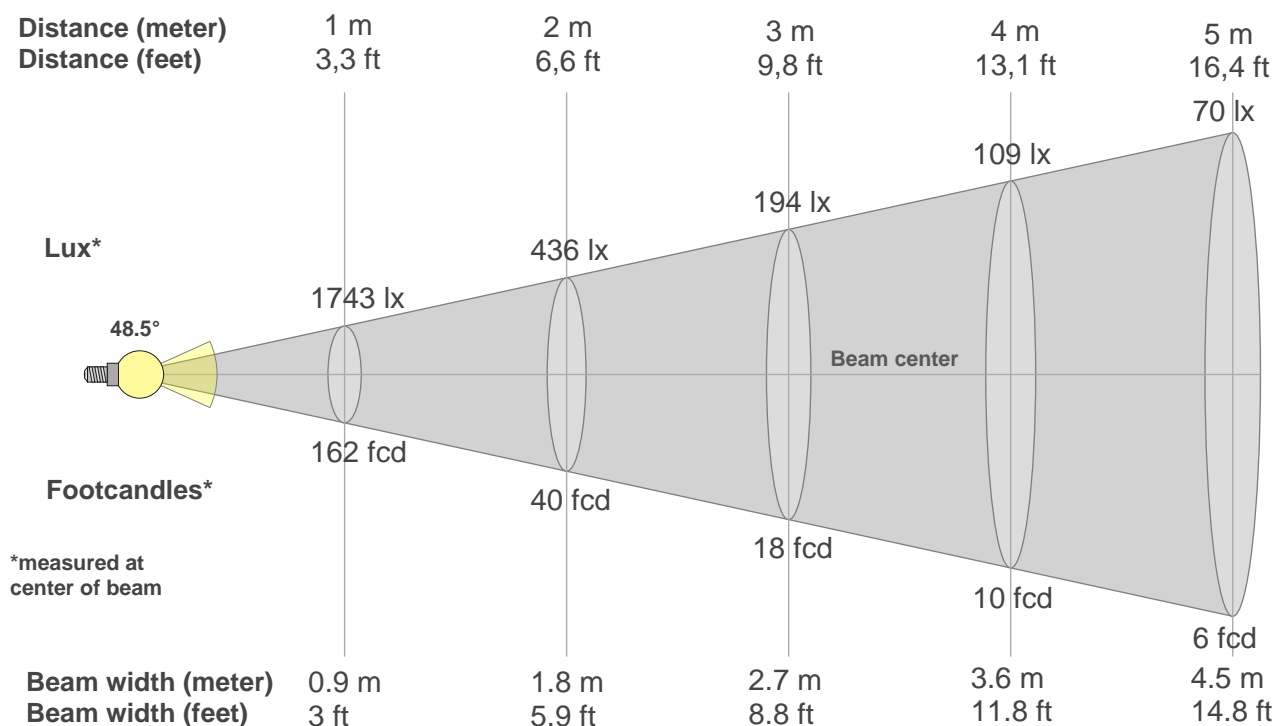
Fidelity index Rf

Rg 98.4

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	12%
4	85	4%	10%
5	89	7%	5%
6	89	6%	-3%
7	83	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	86	-6%	5%
11	83	-3%	11%
12	85	5%	5%
13	89	6%	-4%
14	83	6%	-12%
15	83	0%	-11%
16	81	-7%	-13%





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
1743lx	436lx	194lx	109lx	70lx	48lx	36lx	27lx	22lx	17lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx
161.9fcd	40.5fcd	18fcd	10.1fcd	6.5fcd	4.5fcd	3.3fcd	2.5fcd	2fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd

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°
1743	1738	1727	1707	1680	1647	1607	1560	1506	1448	1379	1298	1209	1113	1012	913	814	719	628	542
100%	100%	99%	98%	96%	94%	92%	90%	86%	83%	79%	74%	69%	64%	58%	52%	47%	41%	36%	31%

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°
1743	1733	1699	1642	1565	1469	1359	1237	1105	969	833	702	582	478	389	313	248	194	149	114
100%	99%	97%	94%	90%	84%	78%	71%	63%	56%	48%	40%	33%	27%	22%	18%	14%	11%	9%	7%

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°
1743	1740	1729	1711	1687	1653	1614	1567	1513	1454	1388	1309	1219	1121	1018	914	811	710	616	527
100%	100%	99%	98%	97%	95%	93%	90%	87%	83%	80%	75%	70%	64%	58%	52%	47%	41%	35%	30%

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°
1743	1726	1685	1623	1541	1442	1331	1210	1085	960	838	720	610	511	420	339	271	213	170	135
100%	99%	97%	93%	88%	83%	76%	69%	62%	55%	48%	41%	35%	29%	24%	19%	16%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.5°	83.4°	102.2°	99.5%	94.1%