

Light efficiency:

42 Lumen/Watt

Light quality:

CRI: 83.7

Color temperature:

2889 K

Output: 1521 lm

Peak: 2026 cd

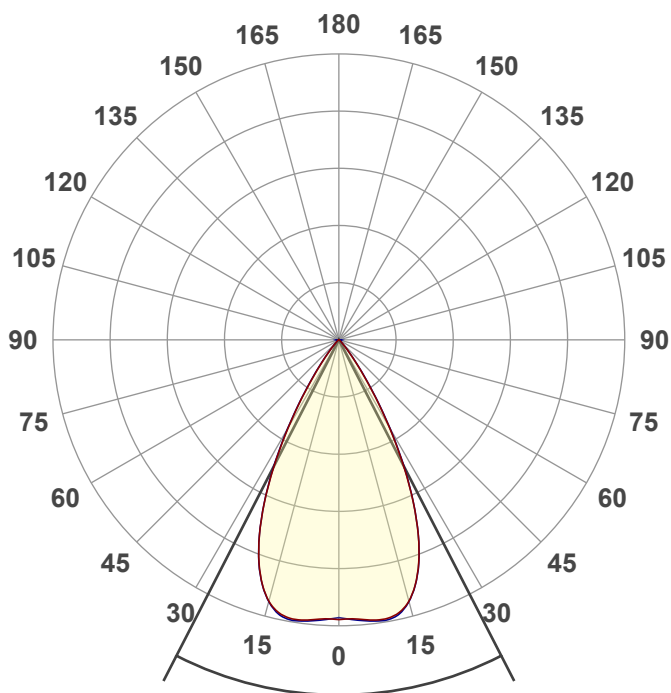
Power: 36.1 W

PF: 0.98



NU3-RA-XTM09-20LM-30K-83-55D-NA-SBL-WH-WH

Date and time:  
6/3/2022 9:22:30 AM



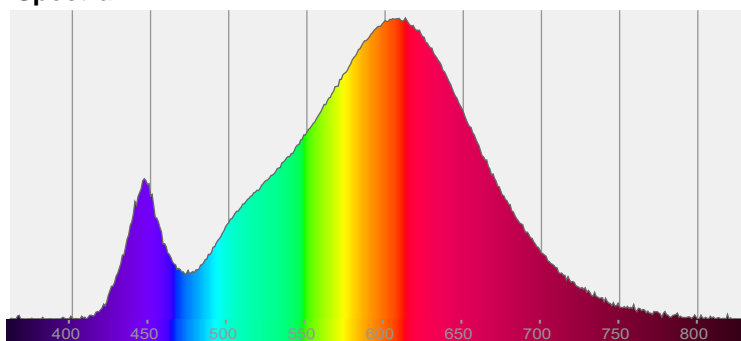
Beam angle

54.4°

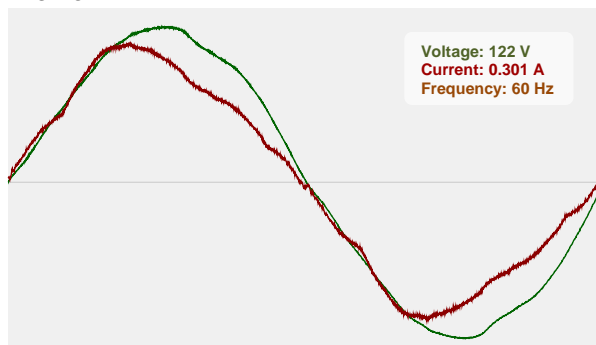


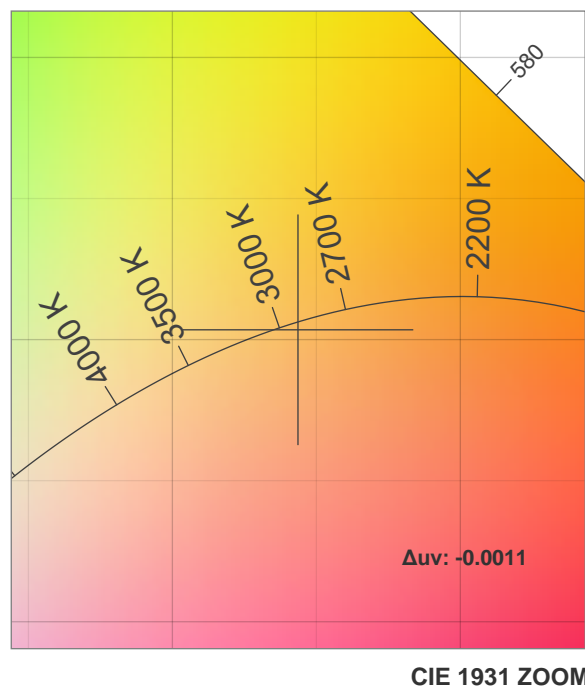
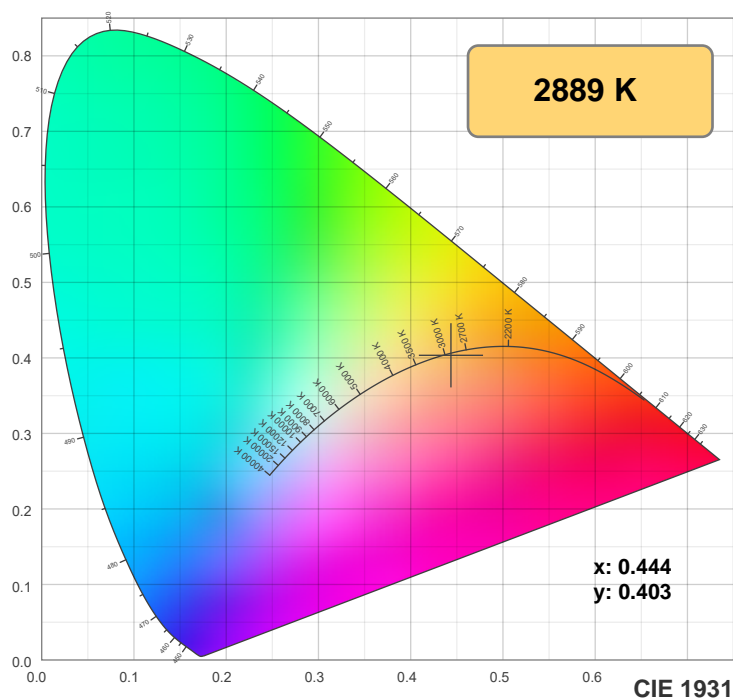
CIE 1931  
x: 0.444  
y: 0.403

Spectra

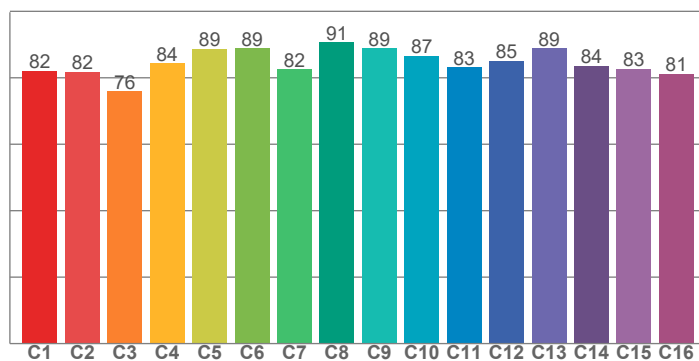


Power

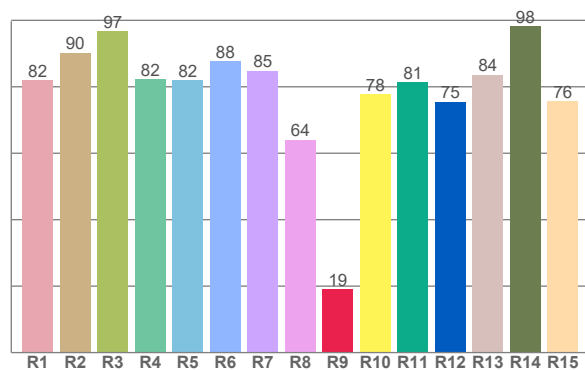




**TM30: 84.6**



**CRI: 83.7 (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
82.0	90.2	96.7	82.3	81.9	87.8	84.8	64.0	19.0	77.8	81.4	75.4	83.6	98.2	75.7

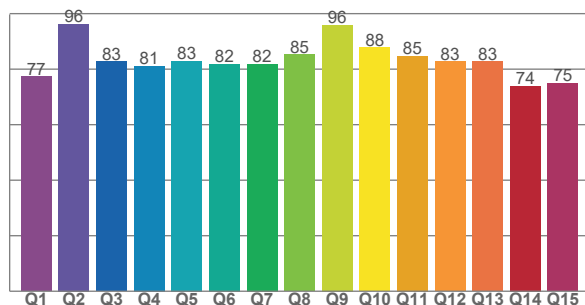
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.2	81.8	76.0	84.3	88.6	88.9	82.5	90.7	88.8	86.6	83.2	85.2	88.8	83.5	82.7	81.1

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.3	96.2	82.7	81.1	83.0	81.8	81.8	85.3	95.9	87.8	84.7	82.8	82.7	74.0	74.9

**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
2889 K	83.7	19.0	84.6	98.8	82.3	0.444	0.403	0.255	0.348	-0.0011

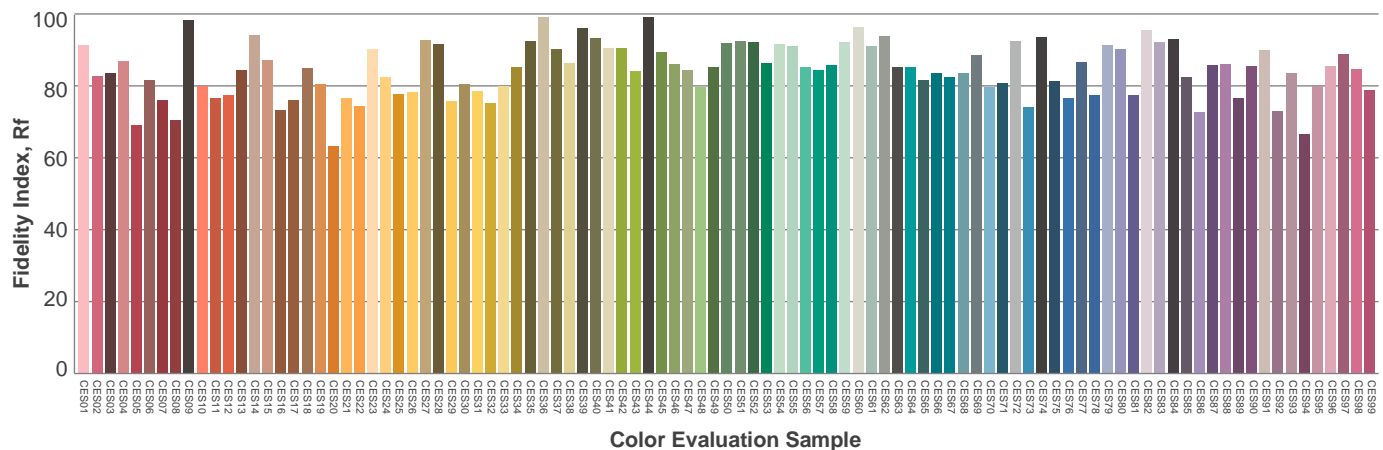
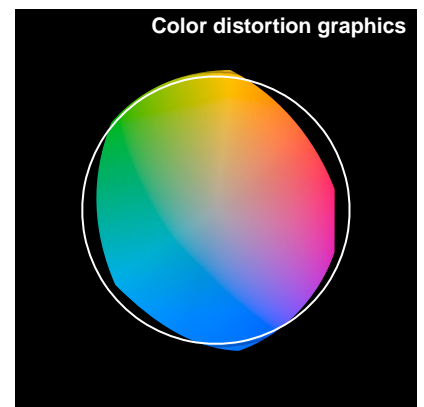
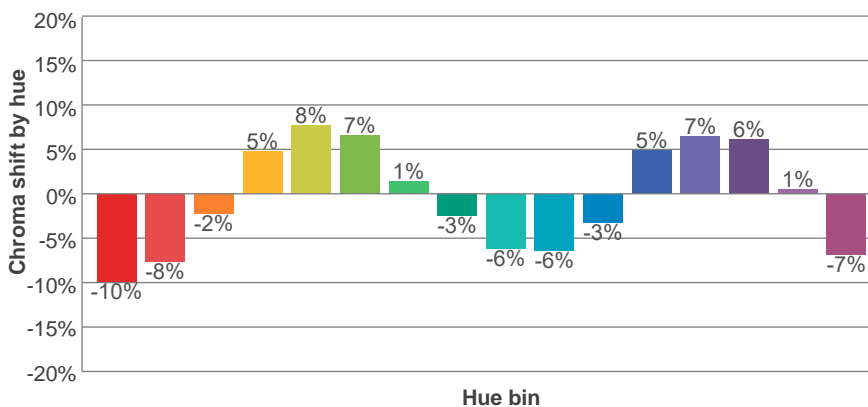
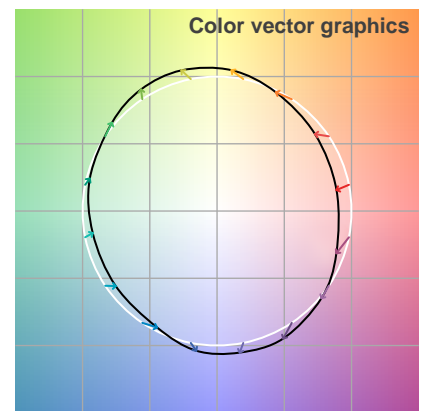
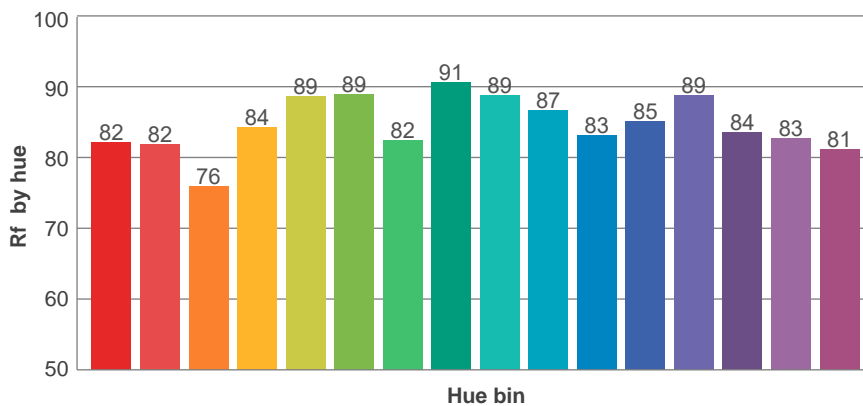
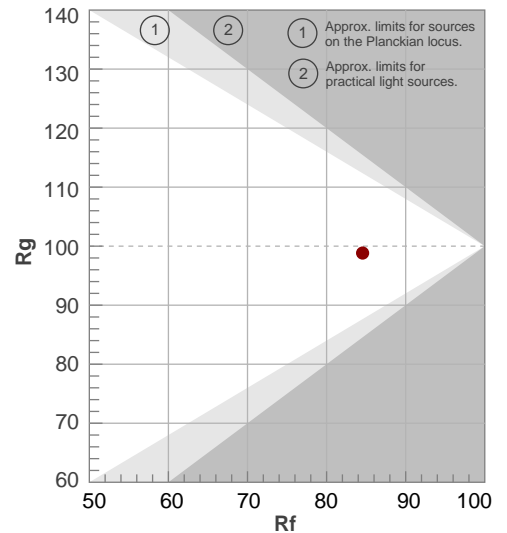
**Rf 84.6**

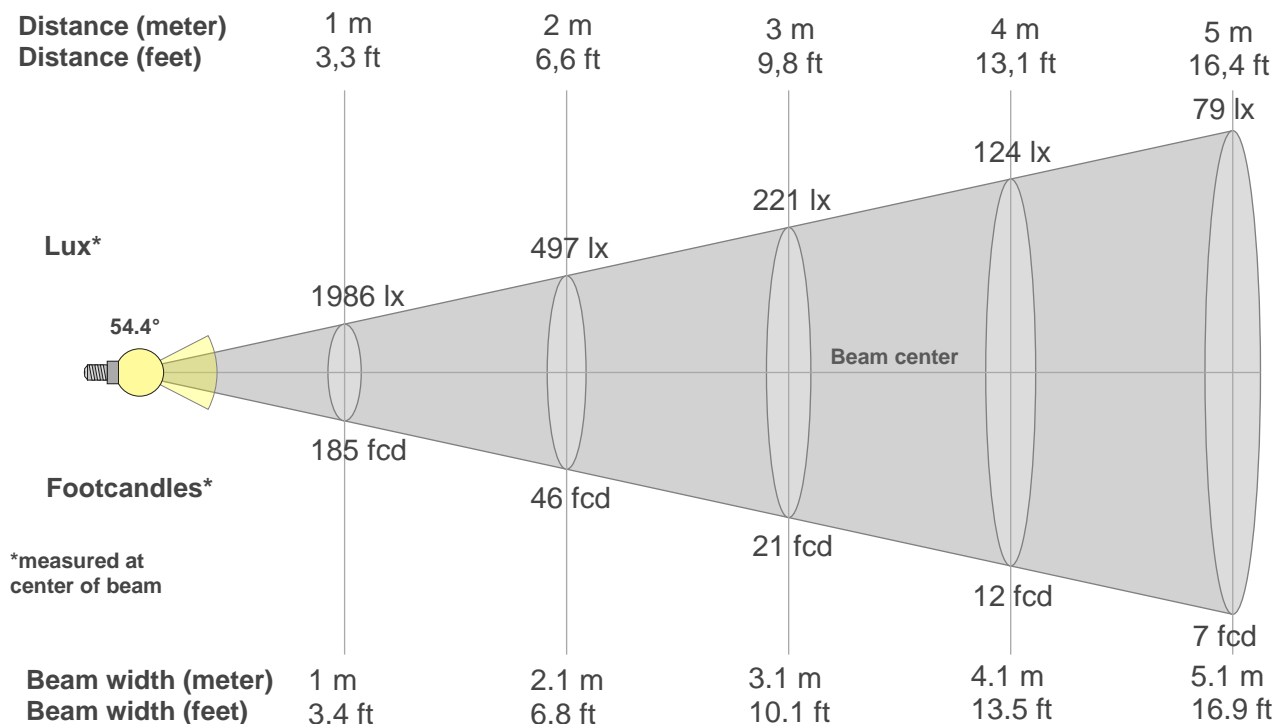
Fidelity index Rf

**Rg 98.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	84	5%	10%
5	89	8%	6%
6	89	7%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	87	-6%	5%
11	83	-3%	11%
12	85	5%	5%
13	89	7%	-4%
14	84	6%	-12%
15	83	1%	-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
1986lx	497lx	221lx	124lx	79lx	55lx	41lx	31lx	25lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx	5lx
184.5fcd	46.1fcd	20.5fcd	11.5fcd	7.4fcd	5.1fcd	3.8fcd	2.9fcd	2.3fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	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°
1986	1992	1997	2007	2015	2015	1995	1954	1885	1789	1666	1513	1331	1132	925	721	529	370	250	164
100%	100%	101%	101%	101%	101%	100%	98%	95%	90%	84%	76%	67%	57%	47%	36%	27%	19%	13%	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°
1986	1992	2004	2015	2023	2025	2006	1959	1887	1791	1668	1514	1332	1138	935	733	543	383	260	168
100%	100%	101%	101%	102%	102%	101%	99%	95%	90%	84%	76%	67%	57%	47%	37%	27%	19%	13%	8%

#### 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°
1986	1992	1997	2007	2015	2015	1995	1954	1885	1789	1666	1513	1331	1132	925	721	529	370	250	164
100%	100%	101%	101%	101%	101%	100%	98%	95%	90%	84%	76%	67%	57%	47%	36%	27%	19%	13%	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°
1986	1992	2004	2015	2023	2025	2006	1959	1887	1791	1668	1514	1332	1138	935	733	543	383	260	168
100%	100%	101%	101%	102%	102%	101%	99%	95%	90%	84%	76%	67%	57%	47%	37%	27%	19%	13%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54.4°	73.9°	86°	99.6%	98.5%