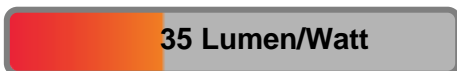


Light efficiency:



Light quality:



Color temperature:



Output: 1056 lm

Peak: 5399 cd

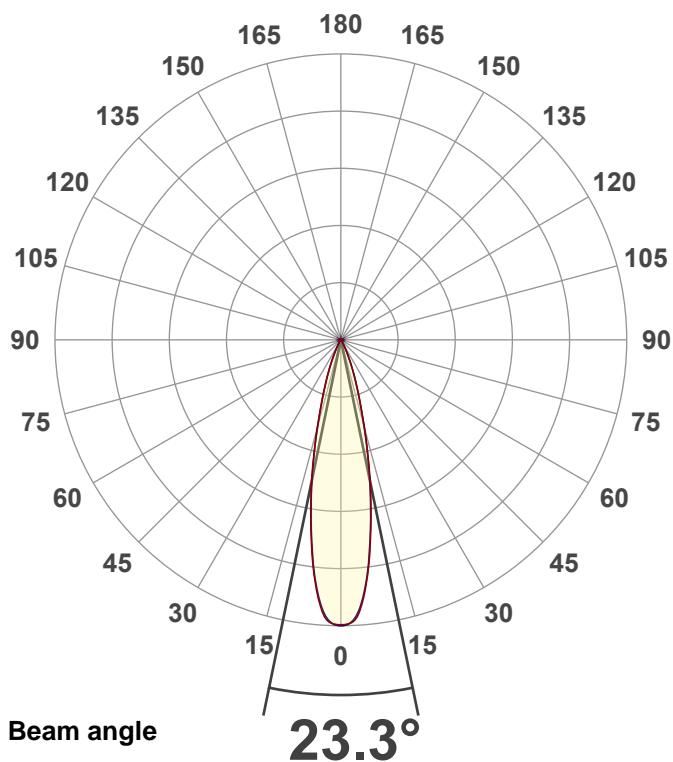
Power: 30.0 W

PF: 0.98



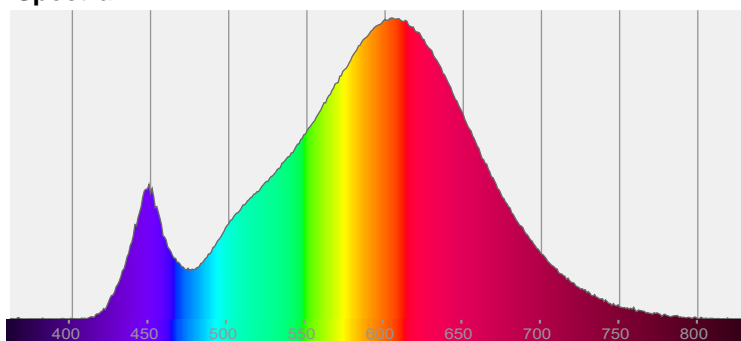
NU3-RDDR-XTM09-16LM-30K-83-25D-SBL-SA

Date and time:
4/11/2022 4:10:11 PM

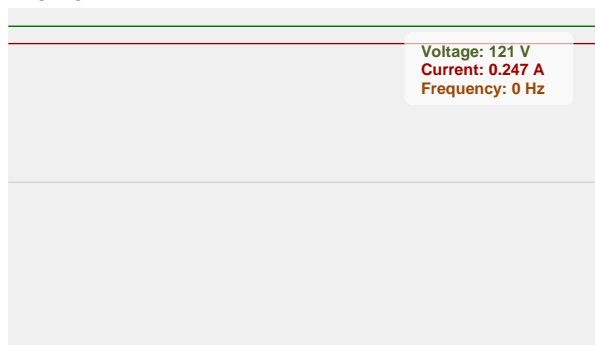


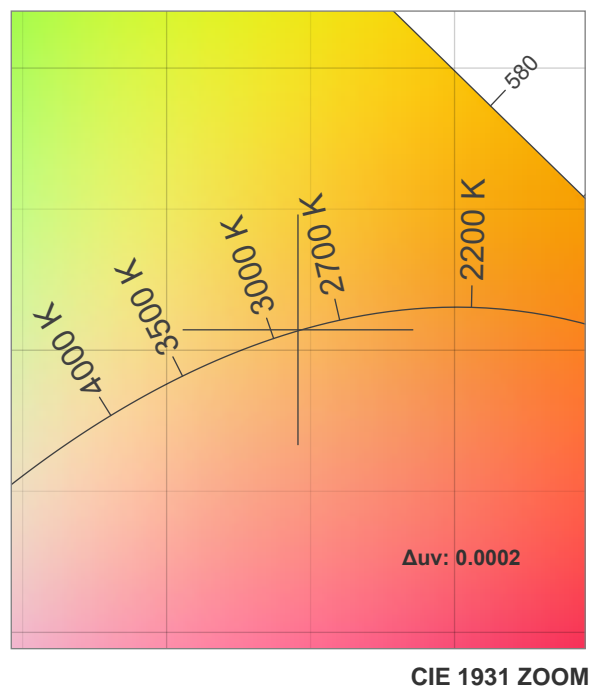
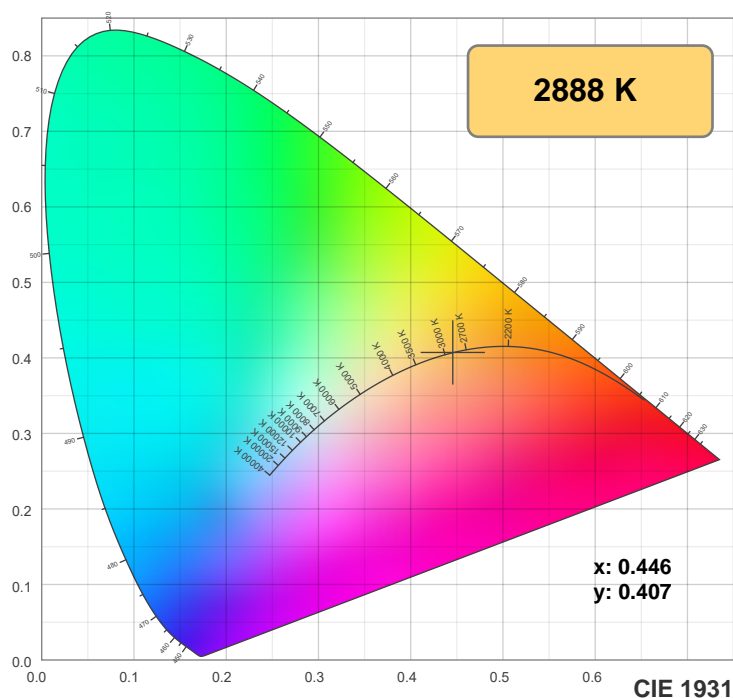
CIE 1931
x: 0.446
y: 0.407

Spectra

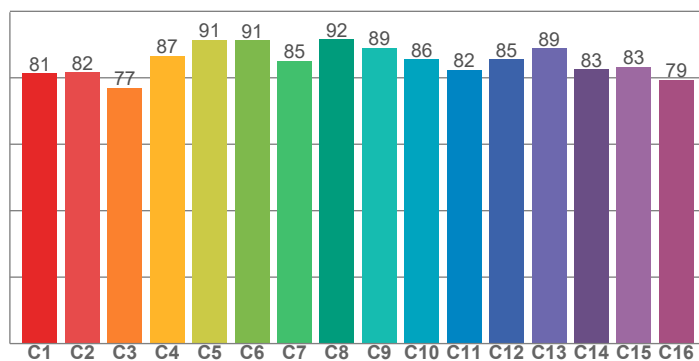


Power

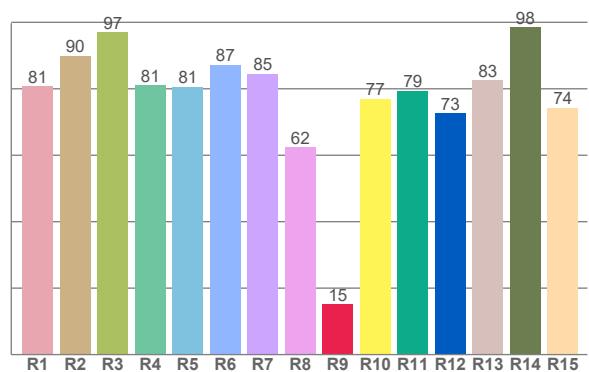




TM30: 85.0



CRI: 82.9 (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
80.8	89.9	97.0	81.0	80.6	87.2	84.5	62.4	15.2	77.0	79.4	72.7	82.6	98.5	74.3

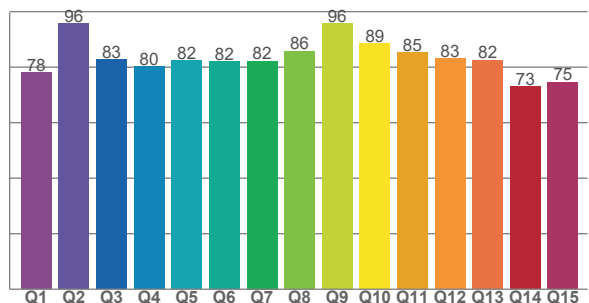
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.4	81.6	77.0	86.6	91.3	91.3	85.1	91.6	89.0	85.6	82.4	85.5	88.9	82.5	83.3	79.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.7	82.8	80.2	82.4	82.0	82.2	85.7	95.7	88.5	85.2	83.1	82.4	73.0	74.5

CQS: 82.2



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
2888 K	82.9	15.2	85.0	97.2	82.2	0.446	0.407	0.255	0.349	0.0002

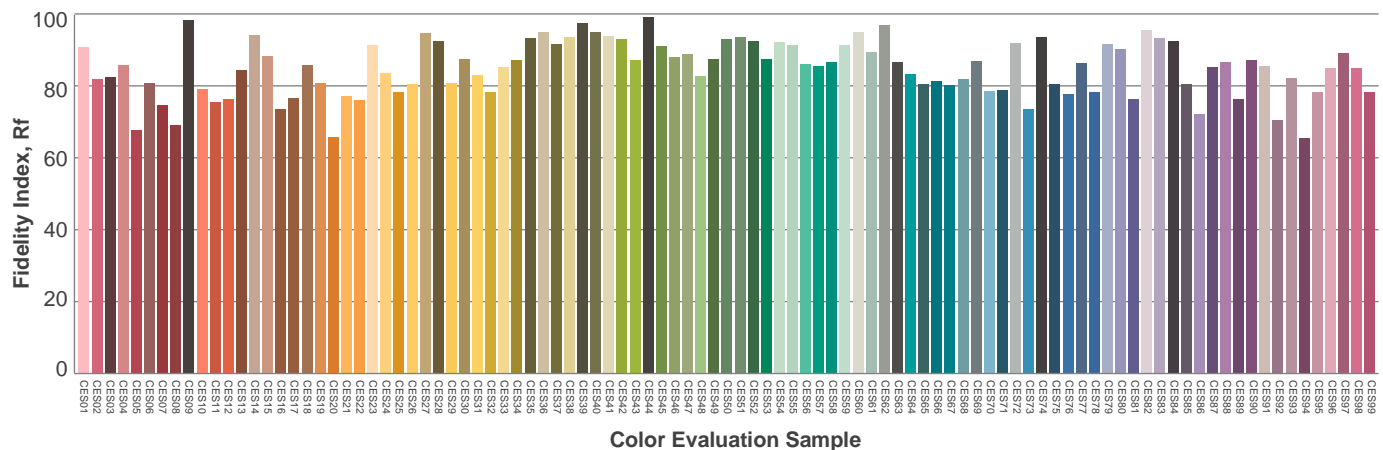
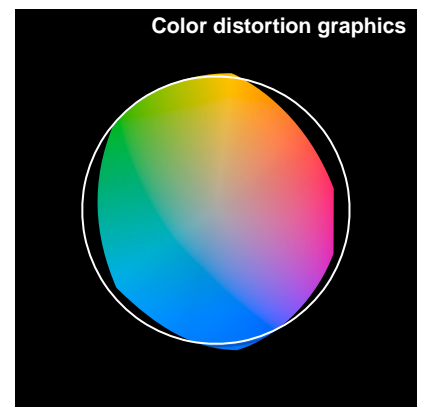
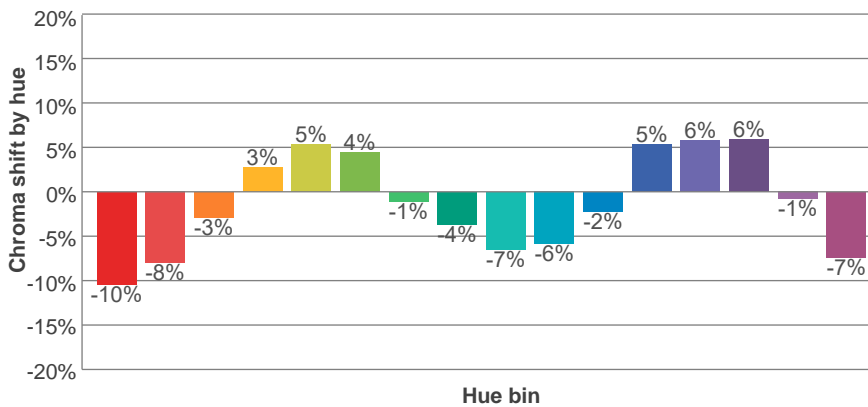
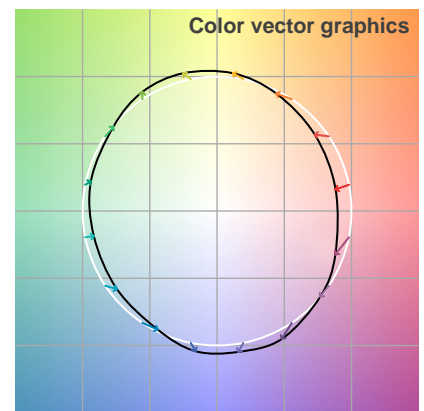
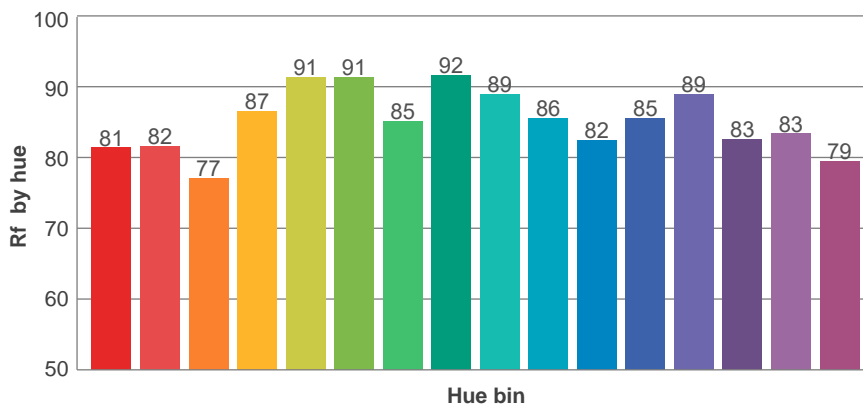
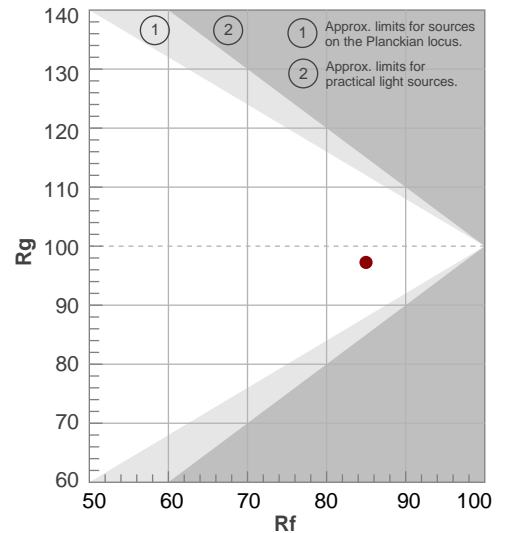
Rf 85.0

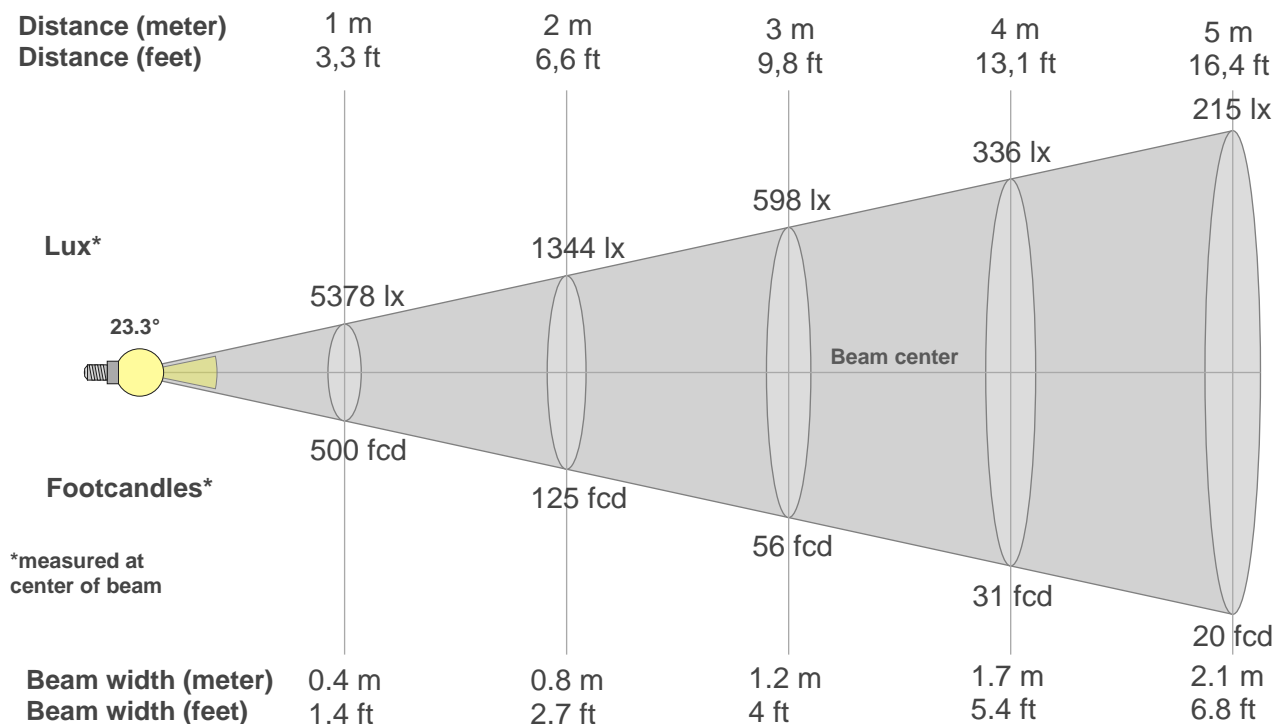
Fidelity index Rf

Rg 97.2

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	-7%	0%
10	86	-6%	7%
11	82	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	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
5378lx	1344lx	598lx	336lx	215lx	149lx	110lx	84lx	66lx	54lx	44lx	37lx	32lx	27lx	24lx	21lx	19lx	17lx	15lx	13lx
499.6fc	124.9fc	55.5fcd	31.2fcd	20fcd	13.9fcd	10.2fcd	7.8fcd	6.2fcd	5fcd	4.1fcd	3.5fcd	3fcd	2.5fcd	2.2fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd

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°
5378	5320	5060	4577	3948	3265	2615	2000	1488	1093	791	554	362	232	141	83	51	35	25	17
100%	99%	94%	85%	73%	61%	49%	37%	28%	20%	15%	10%	7%	4%	3%	2%	1%	1%	0%	0%

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°
5378	5300	5064	4548	3904	3234	2584	1973	1439	1057	769	543	365	231	142	88	57	39	27	20
100%	99%	94%	85%	73%	60%	48%	37%	27%	20%	14%	10%	7%	4%	3%	2%	1%	1%	1%	0%

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°
5378	5320	5060	4577	3948	3265	2615	2000	1488	1093	791	554	362	232	141	83	51	35	25	17
100%	99%	94%	85%	73%	61%	49%	37%	28%	20%	15%	10%	7%	4%	3%	2%	1%	1%	0%	0%

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°
5378	5300	5064	4548	3904	3234	2584	1973	1439	1057	769	543	365	231	142	88	57	39	27	20
100%	99%	94%	85%	73%	60%	48%	37%	27%	20%	14%	10%	7%	4%	3%	2%	1%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23.3°	44.1°	56.4°	99.5%	99.3%