

Light efficiency:

43 Lumen/Watt

Light quality:

CRI: 83.5

Color temperature:

2877 K

Output: 1573 lm

Peak: 2378 cd

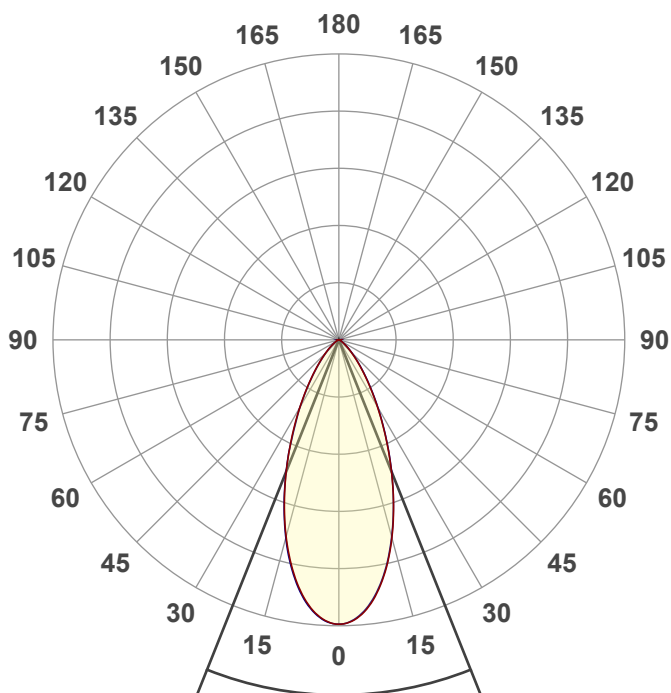
Power: 36.2 W

PF: 0.98



NU3-RA-XTM09-20LM-30K-83-35D-NA-DL-WH-WH

Date and time:
6/2/2022 3:59:41 PM



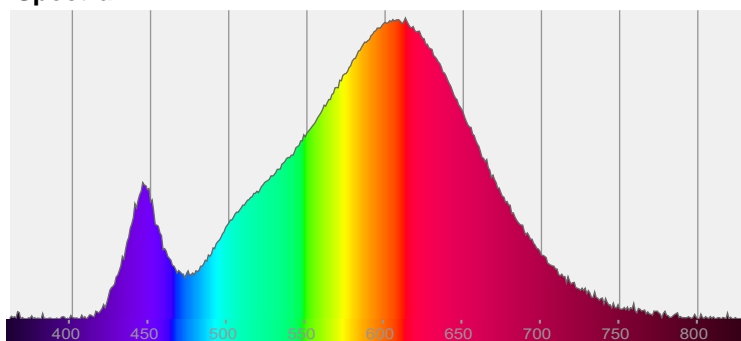
Beam angle

43.6°

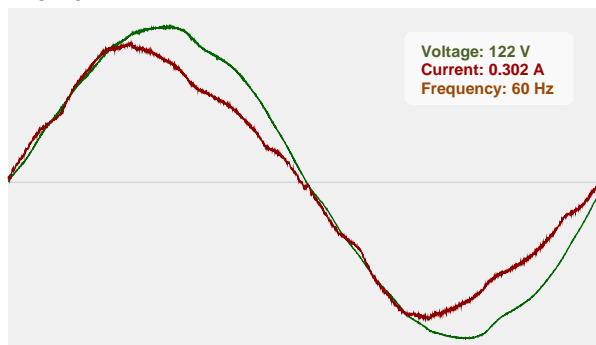


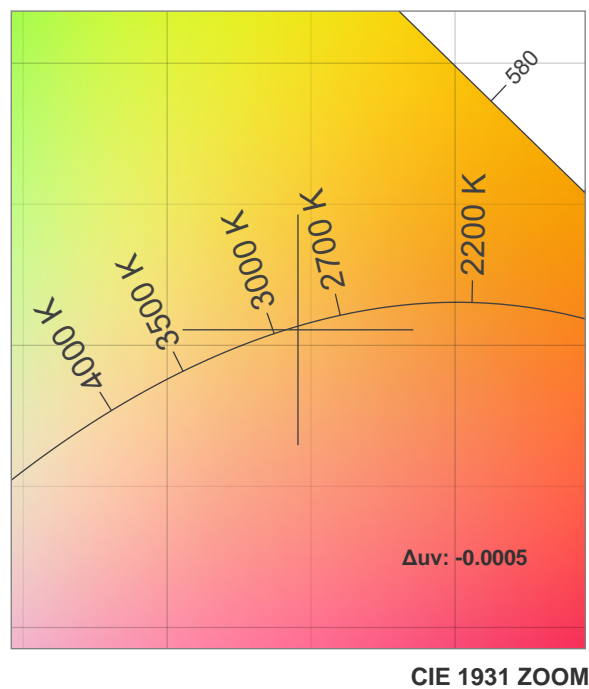
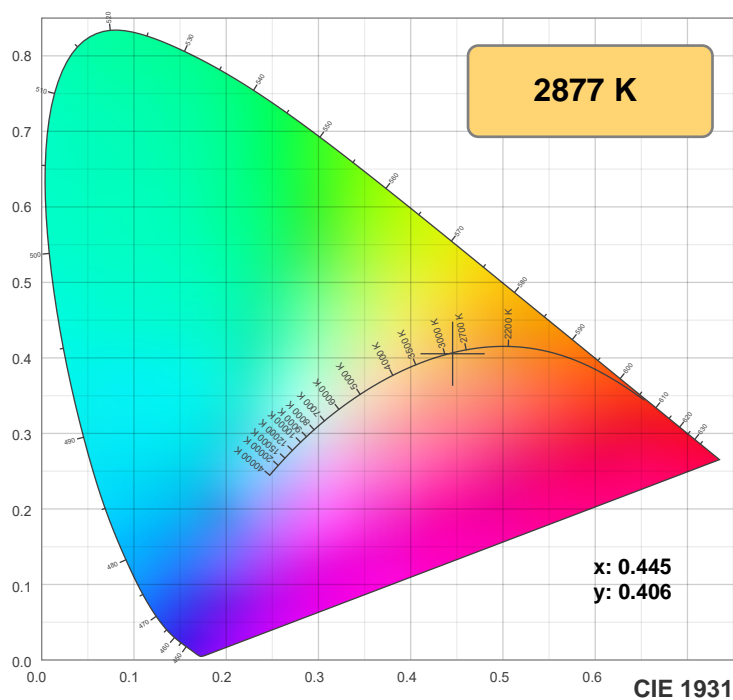
CIE 1931
x: 0.445
y: 0.406

Spectra

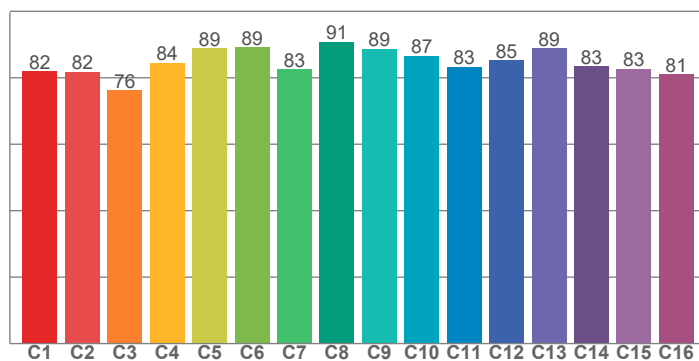


Power

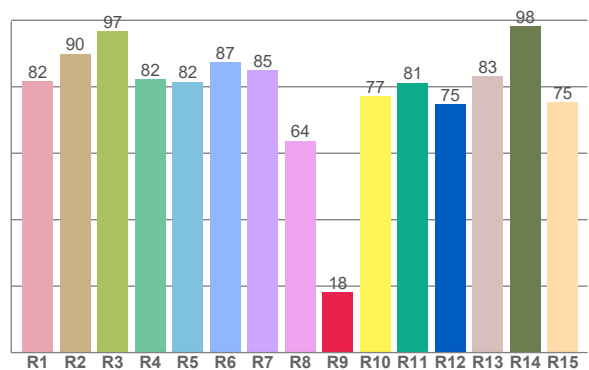




TM30: 84.6



CRI: 83.5 (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
81.7	90.0	96.8	82.3	81.5	87.5	84.9	63.7	18.1	77.2	81.2	74.8	83.3	98.1	75.3

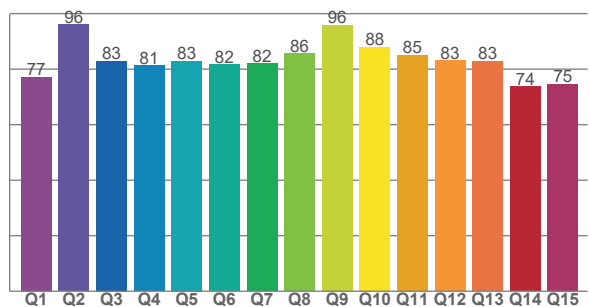
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.0	81.8	76.2	84.5	88.8	89.2	82.5	90.8	88.7	86.6	83.3	85.3	88.8	83.5	82.6	81.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.1	83.0	81.3	82.9	81.7	82.0	85.6	95.9	88.0	85.1	83.1	82.8	73.7	74.7

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
2877 K	83.5	18.1	84.6	98.6	82.3	0.445	0.406	0.255	0.349	-0.0005

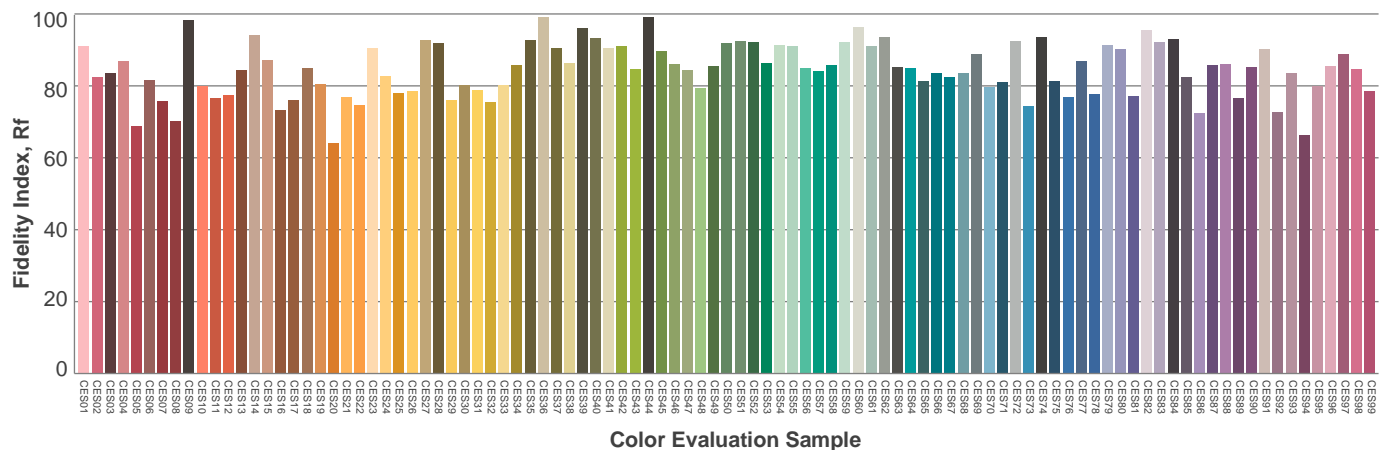
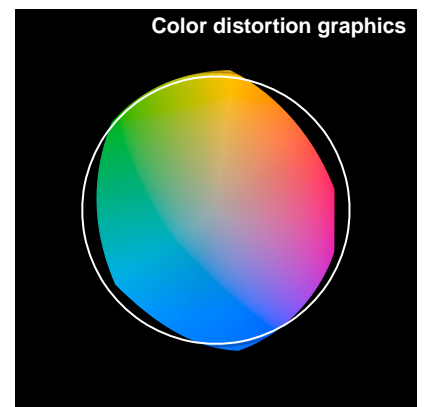
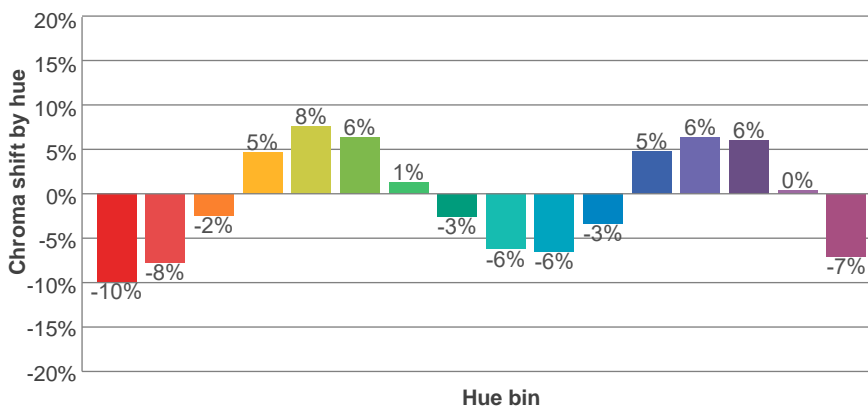
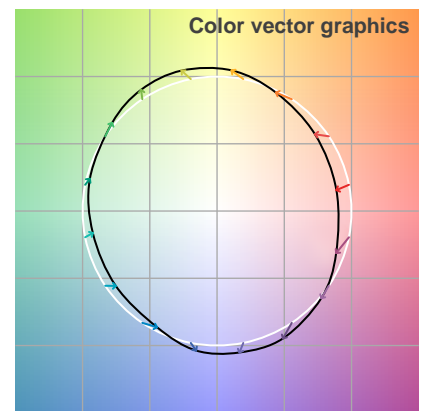
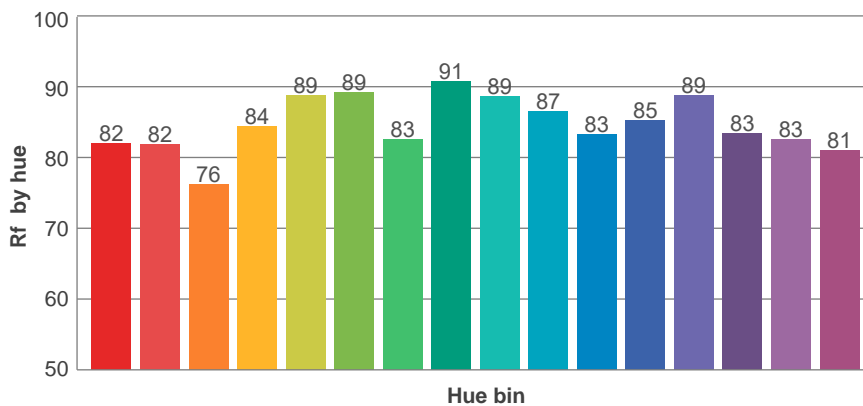
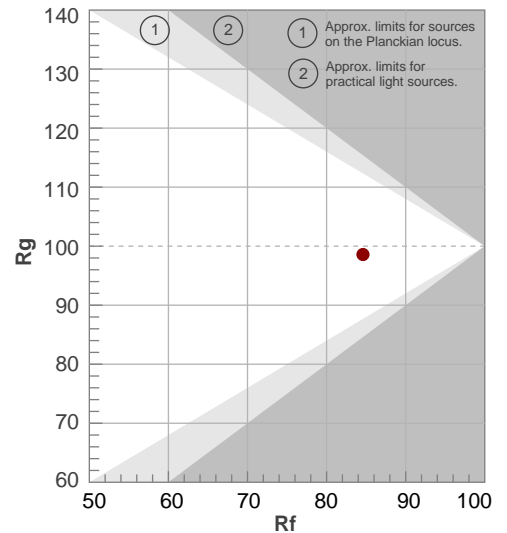
Rf 84.6

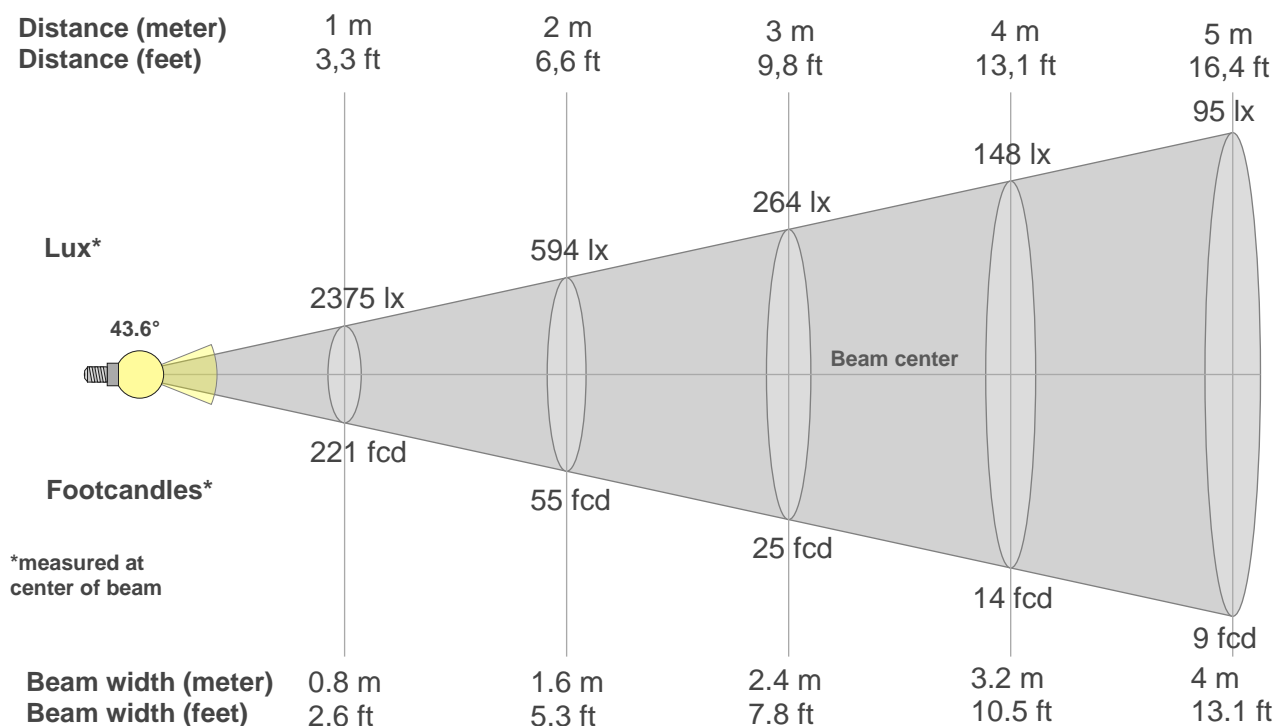
Fidelity index Rf

Rg 98.6

Gammut index Rg

Hue Bin	R _f	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	6%	-3%
7	83	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	87	-6%	4%
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
2375lx	594lx	264lx	148lx	95lx	66lx	48lx	37lx	29lx	24lx	20lx	16lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
220.7fcd	55.2fcd	24.5fcd	13.8fcd	8.8fcd	6.1fcd	4.5fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	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°
2375	2363	2324	2258	2169	2058	1932	1789	1638	1481	1324	1171	1024	886	760	645	543	452	374	307
100%	99%	98%	95%	91%	87%	81%	75%	69%	62%	56%	49%	43%	37%	32%	27%	23%	19%	16%	13%

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°
2375	2361	2319	2252	2162	2050	1922	1780	1630	1477	1324	1174	1029	892	766	653	551	460	382	316
100%	99%	98%	95%	91%	86%	81%	75%	69%	62%	56%	49%	43%	38%	32%	27%	23%	19%	16%	13%

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°
2375	2361	2318	2251	2160	2048	1918	1778	1629	1475	1322	1171	1026	892	769	655	554	465	386	321
100%	99%	98%	95%	91%	86%	81%	75%	69%	62%	56%	49%	43%	38%	32%	28%	23%	20%	16%	13%

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°
2375	2363	2323	2258	2169	2057	1930	1790	1638	1483	1326	1173	1025	892	763	646	545	455	377	311
100%	99%	98%	95%	91%	87%	81%	75%	69%	62%	56%	49%	43%	38%	32%	27%	23%	19%	16%	13%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43.6°	81.7°	107°	98.8%	92.8%