

Light efficiency:

99 Lumen/Watt

Light quality:

CRI: 82.2

Color temperature:

2964 K

Output: 827 lm

Peak: 3851 cd

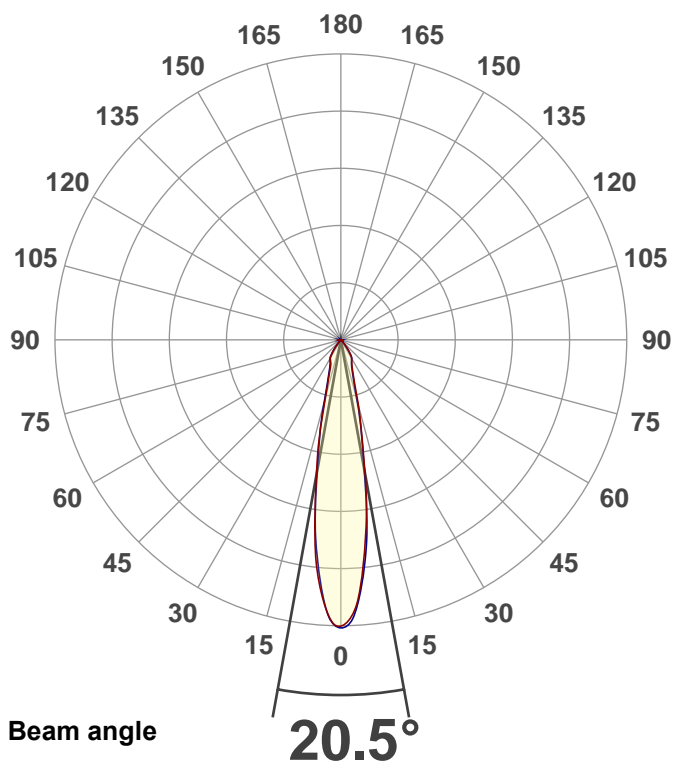
Power: 8.4 W

PF: 0.93



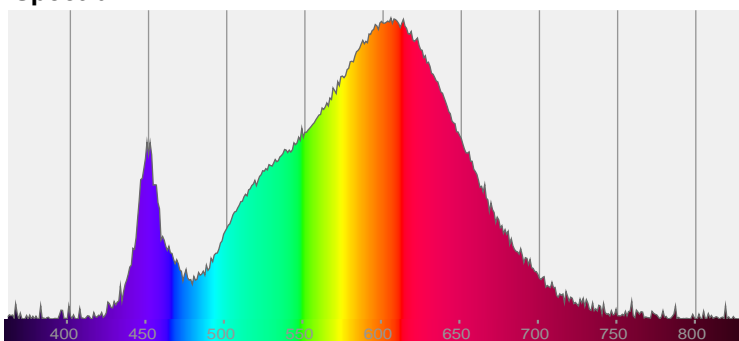
NU3-RD-SW-10LM-30K-80-20C-120-DIM10-NC-WH-WH

Date and time:
11/12/2020 9:15:27 AM

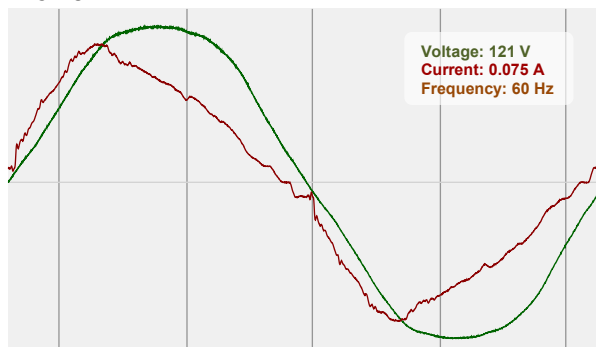


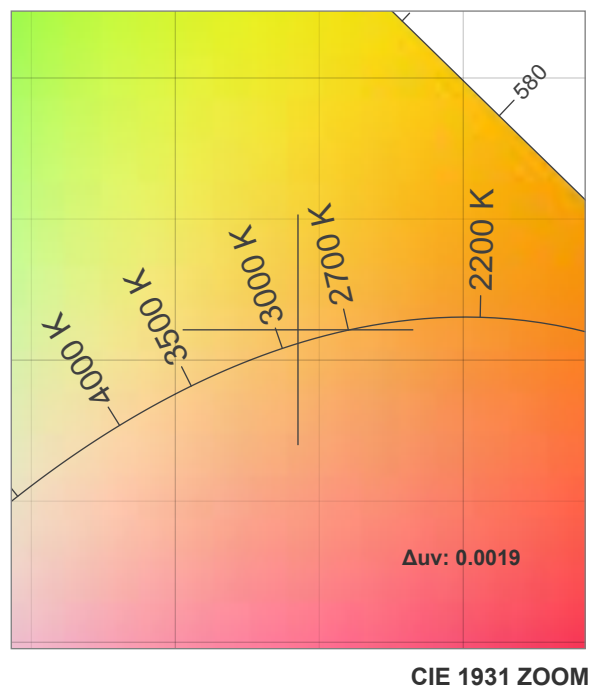
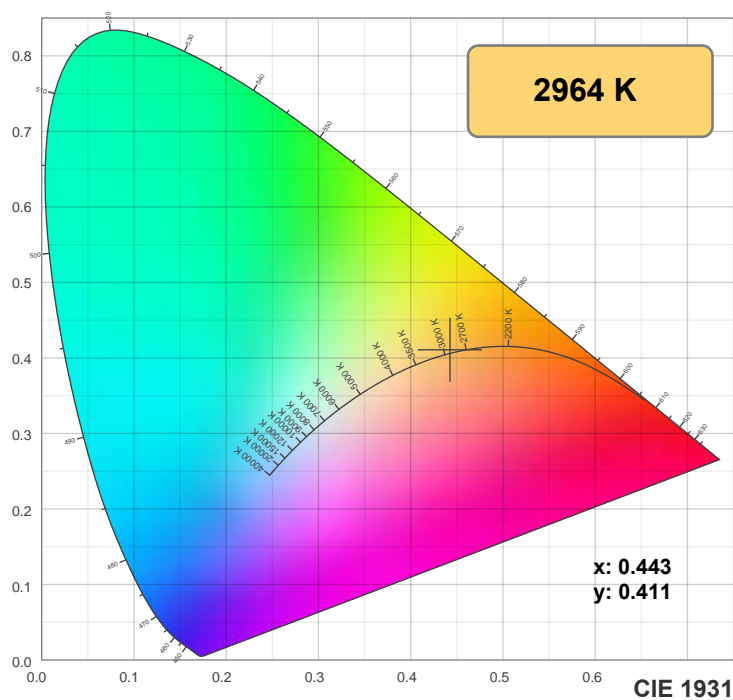
CIE 1931
x: 0.443
y: 0.411

Spectra

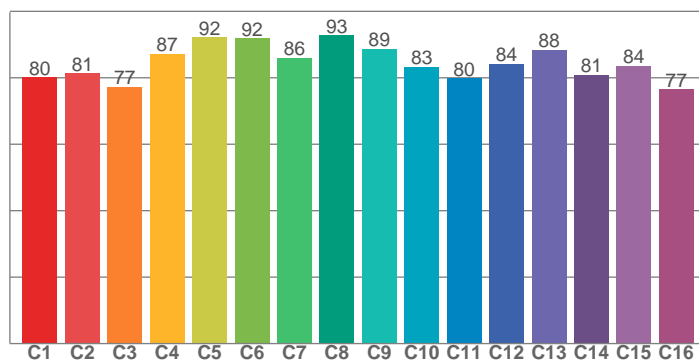


Power

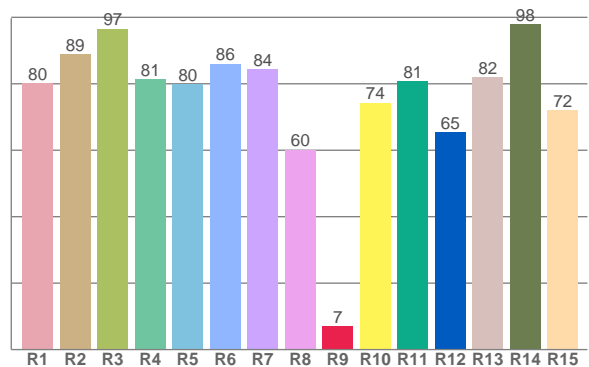




TM30: 84.4



CRI: 82.2 (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
80.3	88.8	96.6	81.4	79.8	86.0	84.4	60.1	7.1	74.3	80.8	65.4	82.1	97.9	72.1

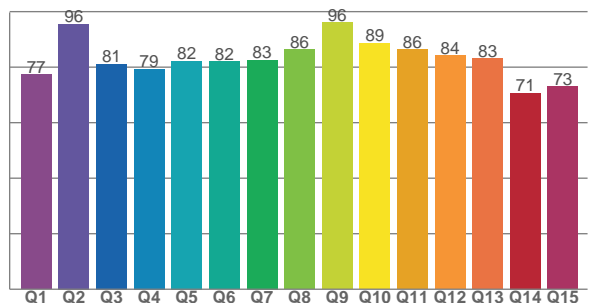
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.1	81.3	77.2	87.2	92.2	91.9	86.0	92.8	88.7	83.4	79.9	84.3	88.4	80.9	83.6	76.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.3	95.5	81.2	79.4	82.2	82.0	82.5	86.3	96.1	88.6	86.3	84.2	83.0	70.7	73.0

CQS: 81.8



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
2964 K	82.2	7.1	84.4	96.6	81.8	0.443	0.411	0.251	0.350	0.0019

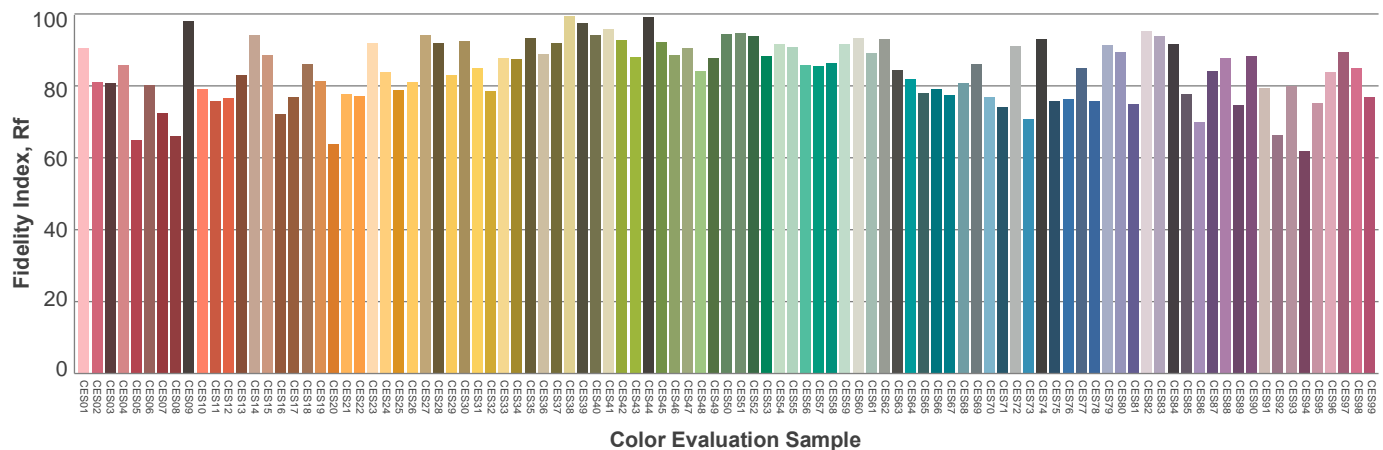
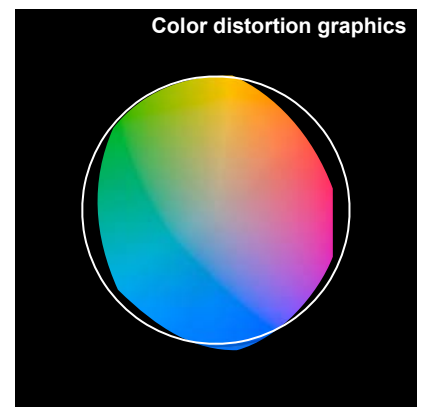
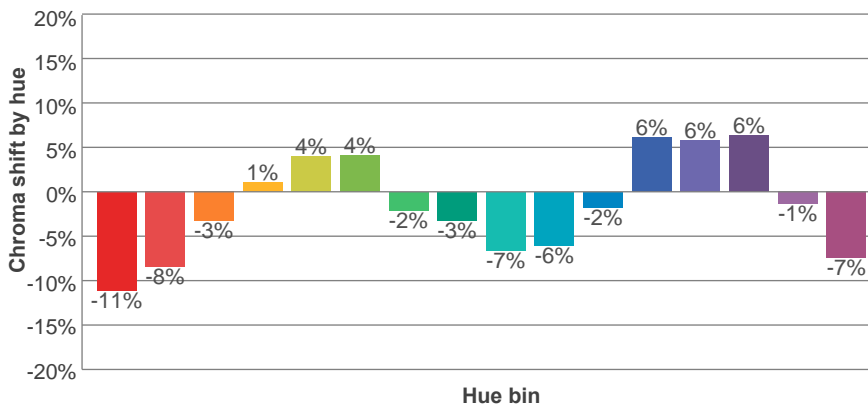
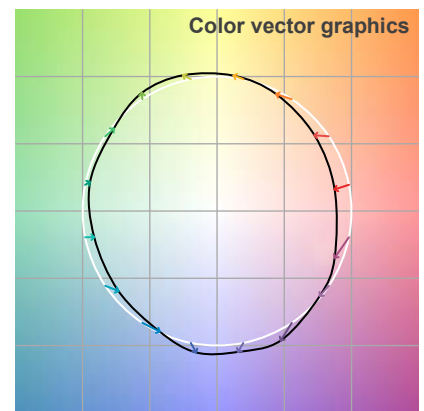
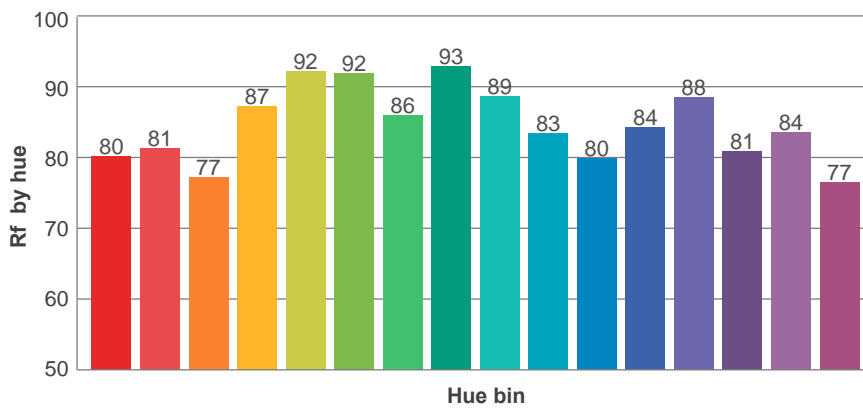
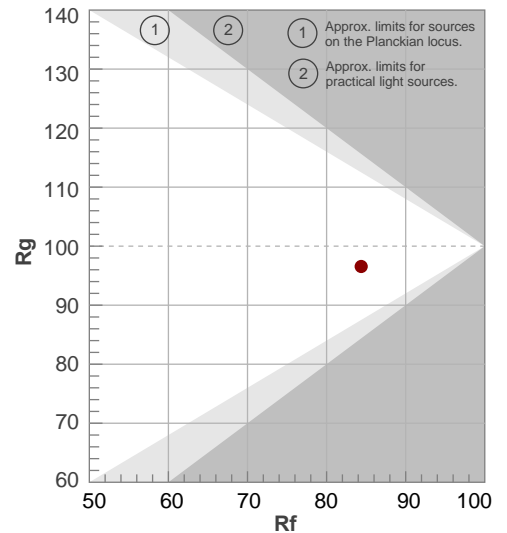
Rf 84.4

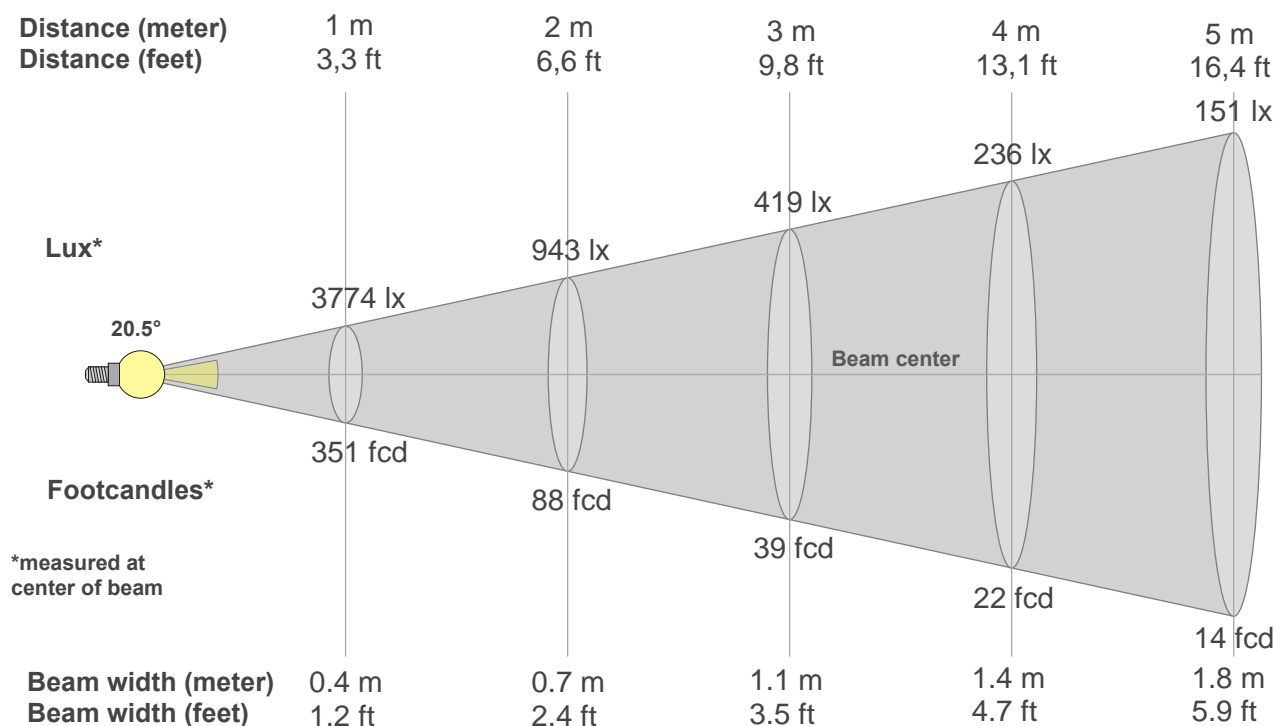
Fidelity index Rf

Rg 96.6

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	81	-8%	7%
3	77	-3%	12%
4	87	1%	8%
5	92	4%	5%
6	92	4%	-2%
7	86	-2%	-8%
8	93	-3%	-3%
9	89	-7%	1%
10	83	-6%	9%
11	80	-2%	14%
12	84	6%	5%
13	88	6%	-5%
14	81	6%	-14%
15	84	-1%	-10%
16	77	-7%	-17%





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
3774lx	943lx	419lx	236lx	151lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
350.6fcd	87.6fcd	39fcd	21.9fcd	14fcd	9.7fcd	7.2fcd	5.5fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

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°
3774	3667	3450	2963	2477	1980	1481	1084	836	587	503	424	371	341	313	289	265	223	172	122
100%	97%	91%	79%	66%	52%	39%	29%	22%	16%	13%	11%	10%	9%	8%	8%	7%	6%	5%	3%

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°
3774	3781	3450	3025	2547	1967	1388	1062	764	562	476	390	362	334	310	289	264	213	162	113
100%	100%	91%	80%	67%	52%	37%	28%	20%	15%	13%	10%	10%	9%	8%	8%	7%	6%	4%	3%

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°
3774	3761	3425	3090	2559	1987	1485	1090	695	563	447	375	346	318	300	282	246	198	150	99
100%	100%	91%	82%	68%	53%	39%	29%	18%	15%	12%	10%	9%	8%	8%	7%	7%	5%	4%	3%

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°
3774	3766	3421	2980	2504	1962	1421	1094	793	586	492	398	367	336	310	287	260	203	147	99
100%	100%	91%	79%	66%	52%	38%	29%	21%	16%	13%	11%	10%	9%	8%	8%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	45.2°	77.1°	98.9%	97.9%