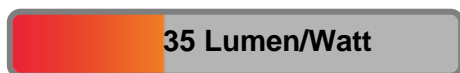


Light efficiency:



Light quality:



Color temperature:



Output: 1040 lm

Peak: 8349 cd

Power: 30.1 W

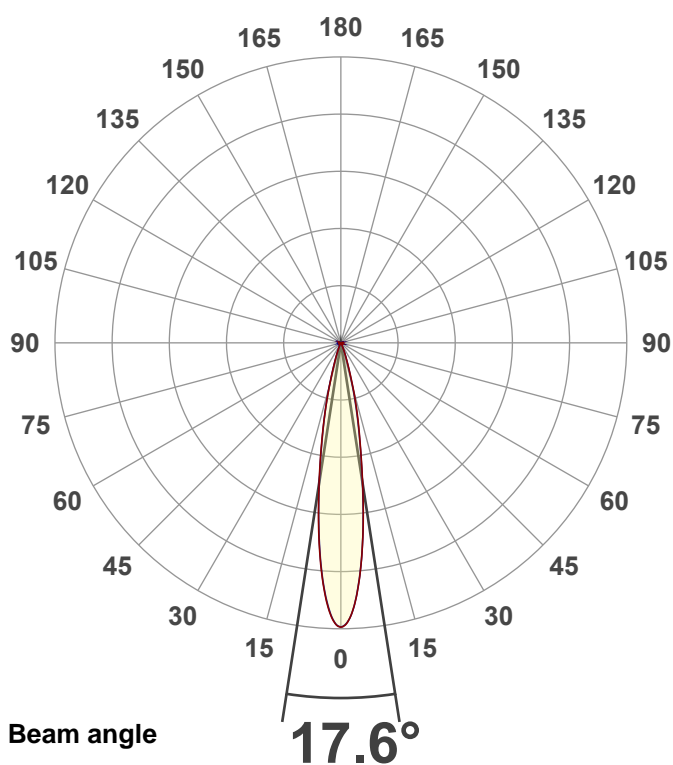
PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-15D-NL-WH

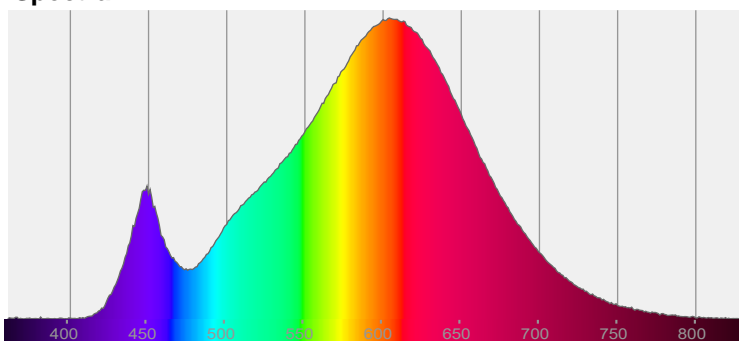
Date and time:

4/8/2022 2:41:17 PM

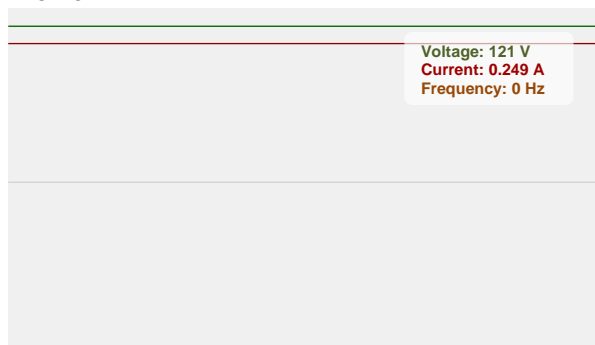


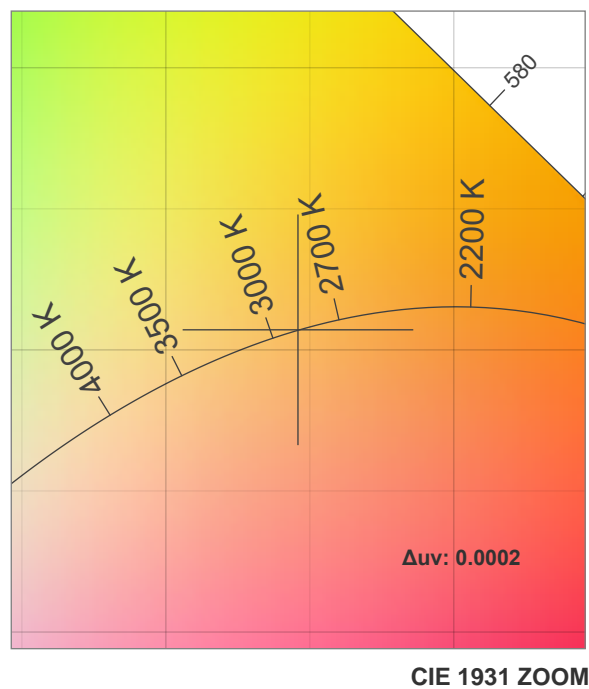
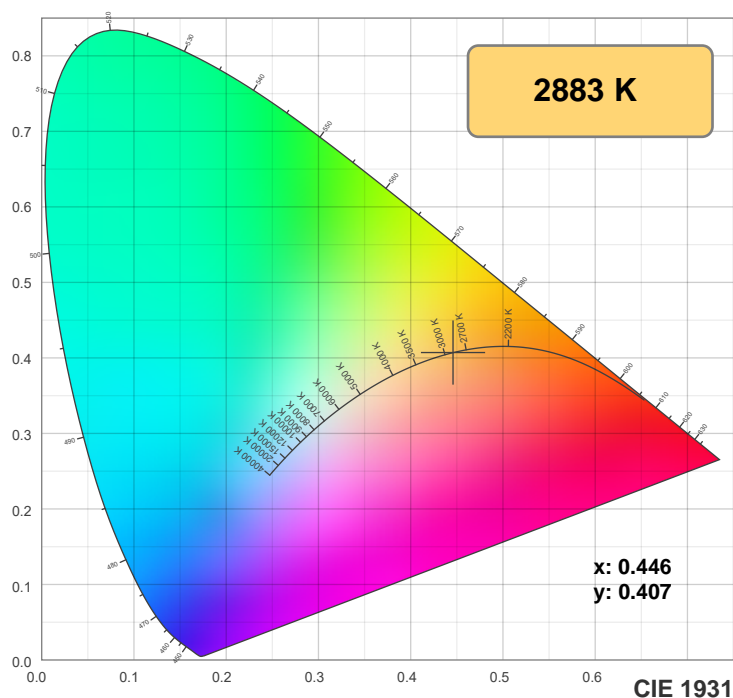
CIE 1931
x: 0.446
y: 0.407

Spectra

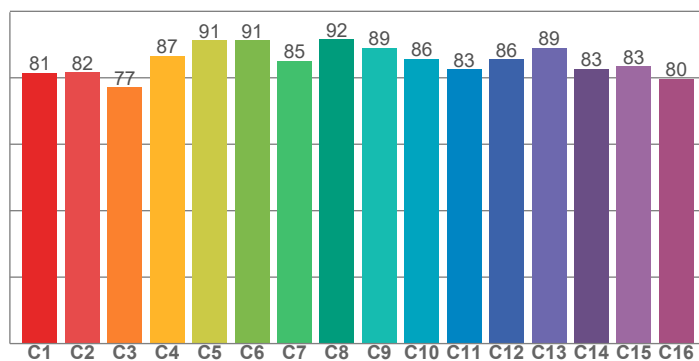


Power

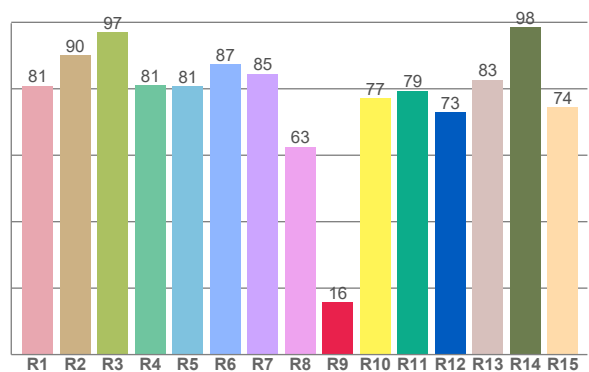




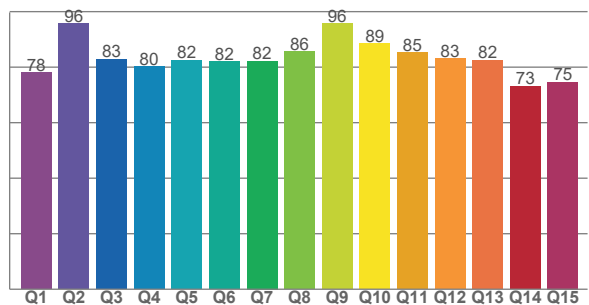
TM30: 85.0



CRI: 83.0 (R1-R8)



CQS: 82.2



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
80.9	90.0	97.1	81.0	80.7	87.3	84.6	62.6	15.7	77.2	79.5	73.0	82.7	98.5	74.4

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
81.5	81.7	77.1	86.6	91.3	91.3	85.1	91.6	89.0	85.7	82.5	85.6	88.9	82.6	83.4	79.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.7	82.8	80.2	82.5	82.1	82.2	85.7	95.7	88.5	85.2	83.1	82.5	73.1	74.6

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
2883 K	83.0	15.7	85.0	97.3	82.2	0.446	0.407	0.255	0.349	0.0002

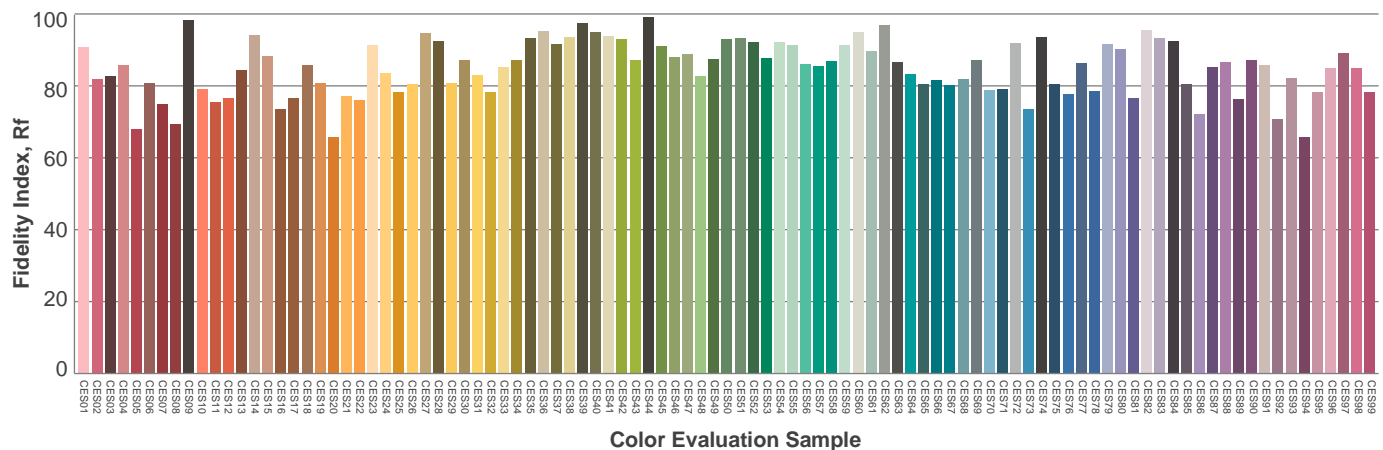
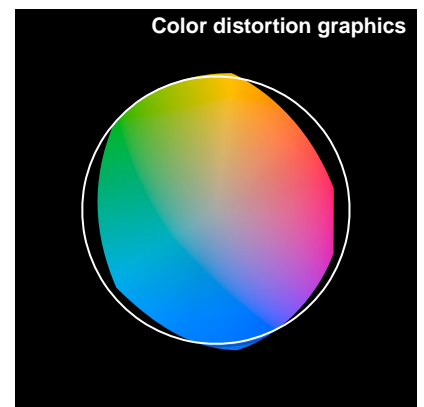
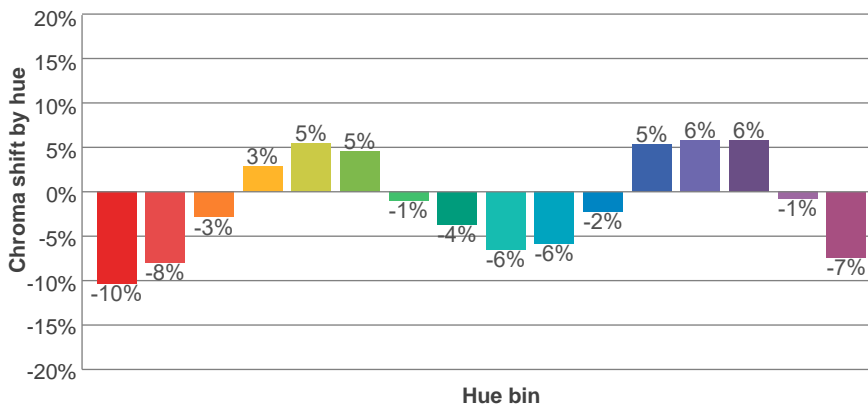
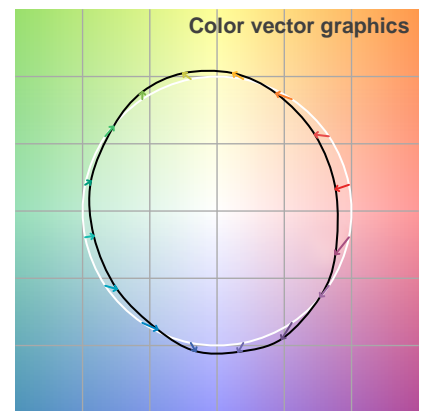
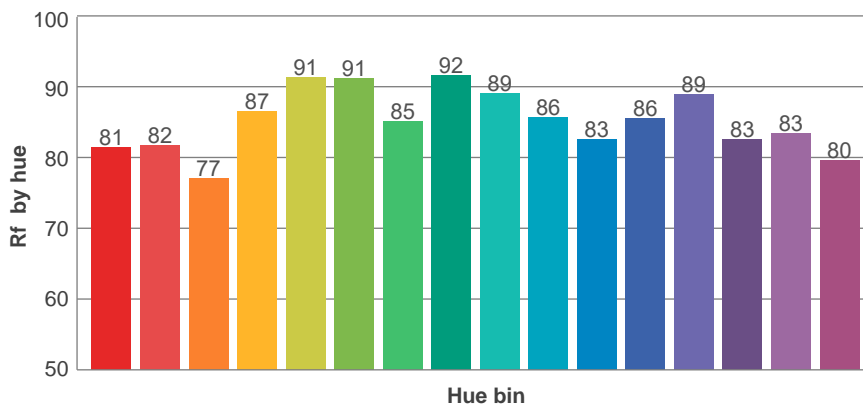
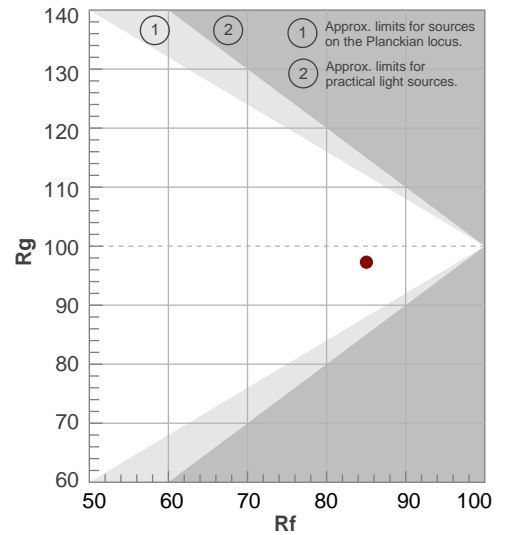
Rf 85.0

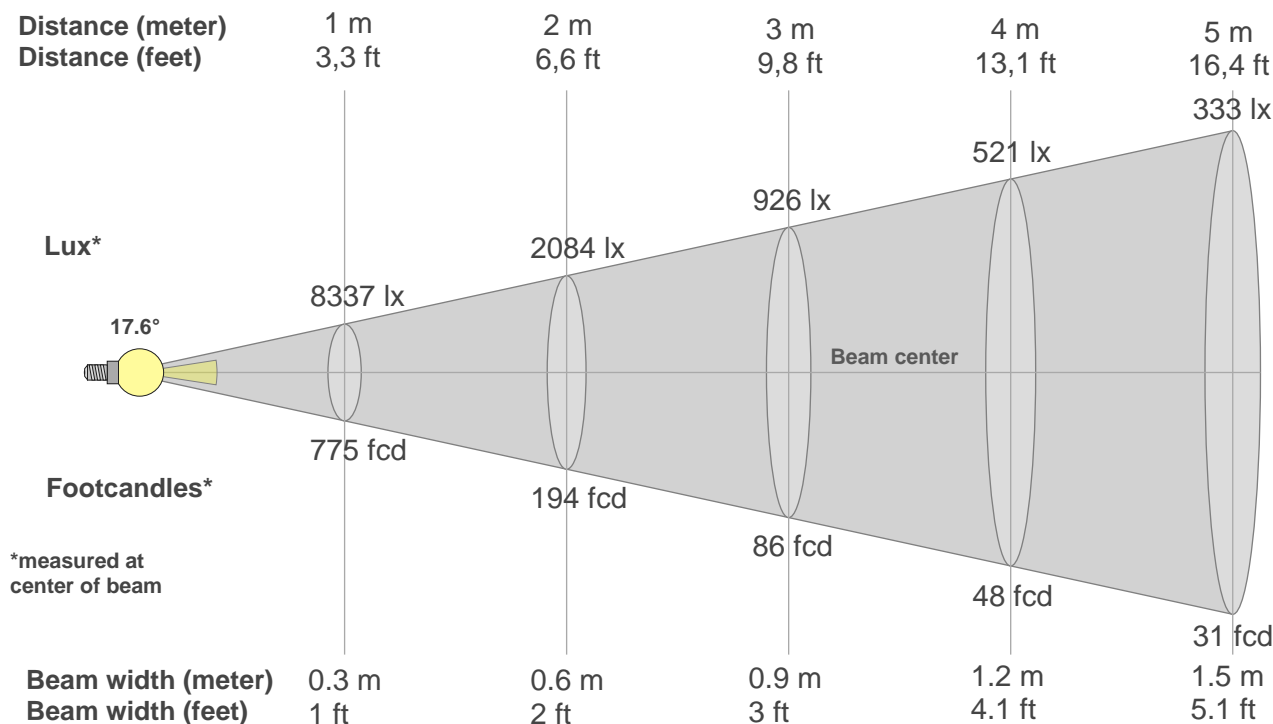
Fidelity index Rf

Rg 97.3

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	5%	-3%
7	85	-1%	-9%
8	92	-4%	-3%
9	89	-6%	0%
10	86	-6%	7%
11	83	-2%	12%
12	86	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	80	-7%	-14%





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
8337lx	2084lx	926lx	521lx	333lx	232lx	170lx	130lx	103lx	83lx	69lx	58lx	49lx	43lx	37lx	33lx	29lx	26lx	23lx	21lx
774.5fc	193.6fc	86.1fcd	48.4fcd	31fcd	21.5fcd	15.8fcd	12.1fcd	9.6fcd	7.7fcd	6.4fcd	5.4fcd	4.6fcd	4fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8337	8263	8040	7687	7214	6659	6033	5383	4712	4056	3456	2948	2525	2143	1773	1433	1107	849	648	496
100%	99%	96%	92%	87%	80%	72%	65%	57%	49%	41%	35%	30%	26%	21%	17%	13%	10%	8%	6%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8337	8260	8047	7686	7197	6642	6023	5352	4662	4003	3413	2899	2448	2038	1661	1313	1015	785	603	466
100%	99%	97%	92%	86%	80%	72%	64%	56%	48%	41%	35%	29%	24%	20%	16%	12%	9%	7%	6%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8337	8260	8033	7672	7198	6643	6029	5373	4703	4065	3475	2937	2457	2025	1625	1260	961	728	554	425
100%	99%	96%	92%	86%	80%	72%	64%	56%	49%	42%	35%	29%	24%	19%	15%	12%	9%	7%	5%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8337	8258	8017	7638	7166	6606	5986	5324	4658	4007	3415	2883	2422	2006	1628	1276	967	729	548	416
100%	99%	96%	92%	86%	79%	72%	64%	56%	48%	41%	35%	29%	24%	20%	15%	12%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.6°	33.5°	43.3°	98.0%	95.2%