

Light efficiency:

99 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

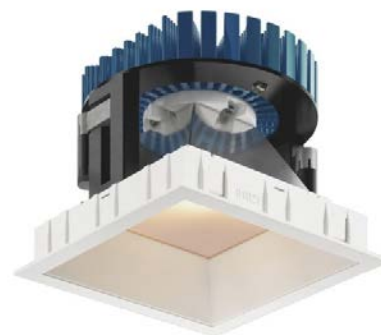
2986 K

Output: 3658 lm

Peak: 3244 cd

Power: 37.1 W

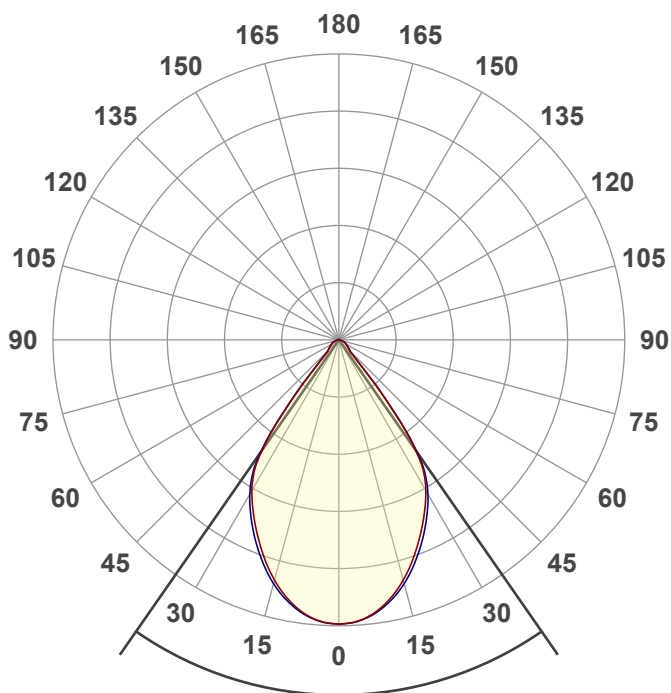
PF: 0.98



NU4-QD-SW-40LM-30K-80-D65-WH-WH

Date and time:

9/14/2022 9:36:40 AM



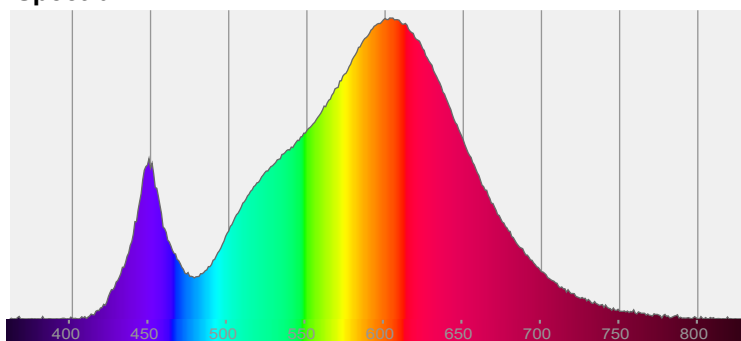
Beam angle

69.6°

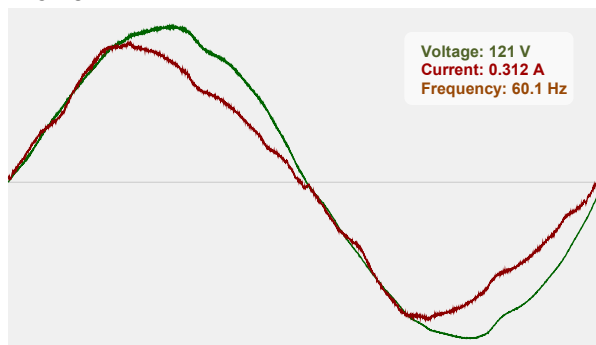


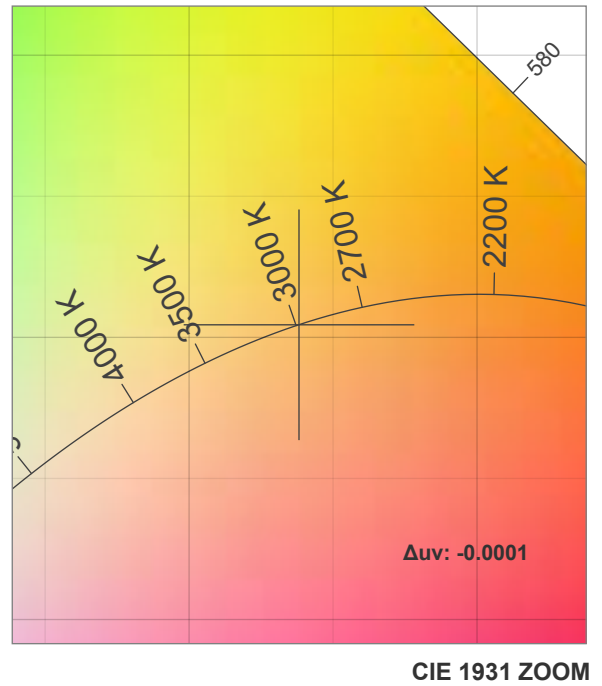
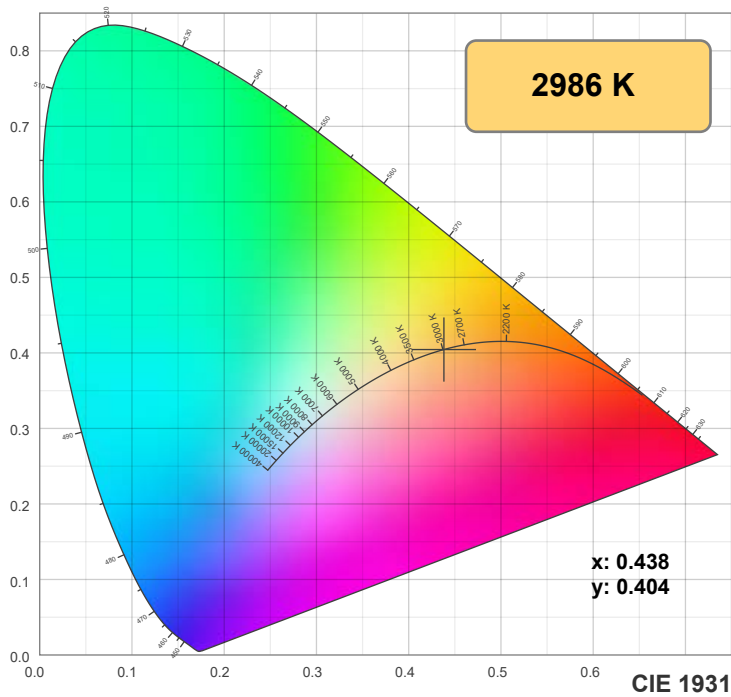
CIE 1931
x: 0.438
y: 0.404

Spectra

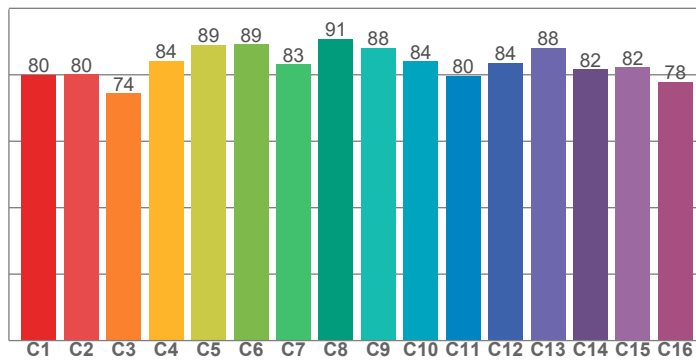


Power

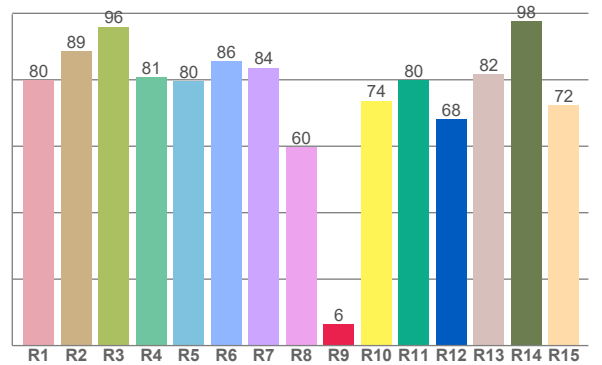




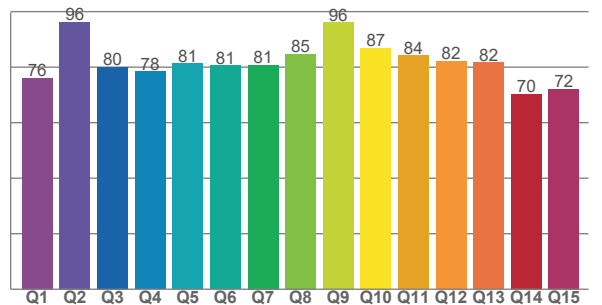
TM30: 83.2



CRI: 81.7 (R1-R8)



CQS: 80.7



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
79.9	88.6	95.9	80.8	79.6	85.6	83.6	59.7	6.5	73.7	79.8	68.1	81.8	97.6	72.2

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
79.9	80.1	74.4	84.2	89.0	89.1	83.1	90.9	88.1	84.1	79.7	83.6	88.1	81.7	82.2	77.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.1	96.2	80.1	78.4	81.3	80.6	80.7	84.7	96.0	86.8	84.1	82.2	81.7	70.4	72.2

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
2986 K	81.7	6.5	83.2	97.7	80.7	0.438	0.404	0.251	0.348	-0.0001

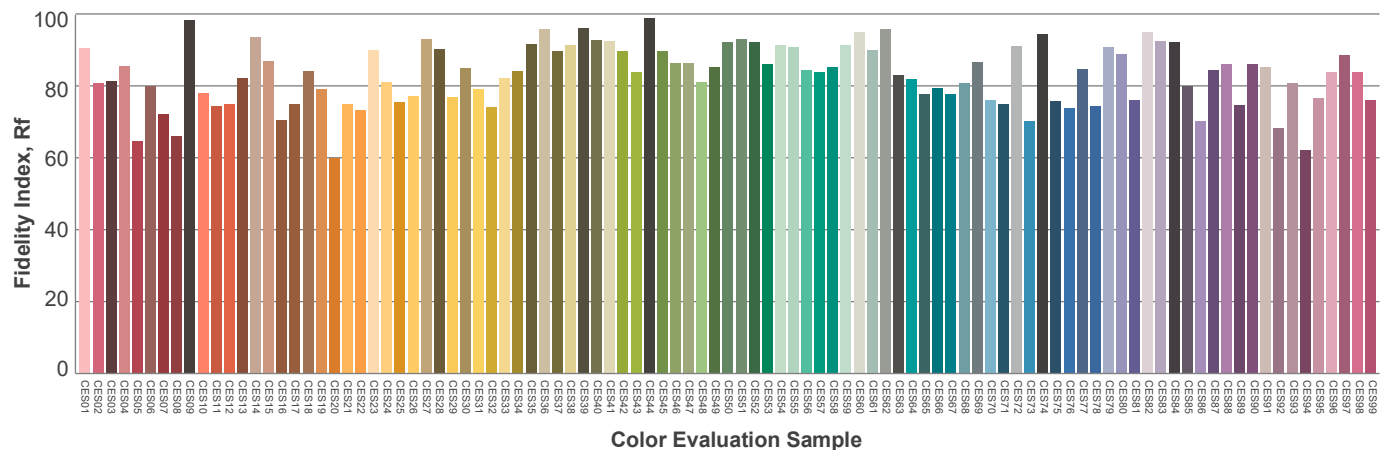
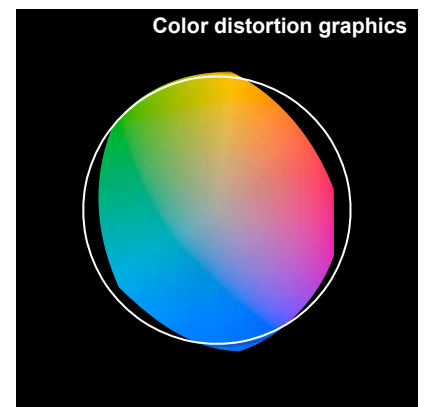
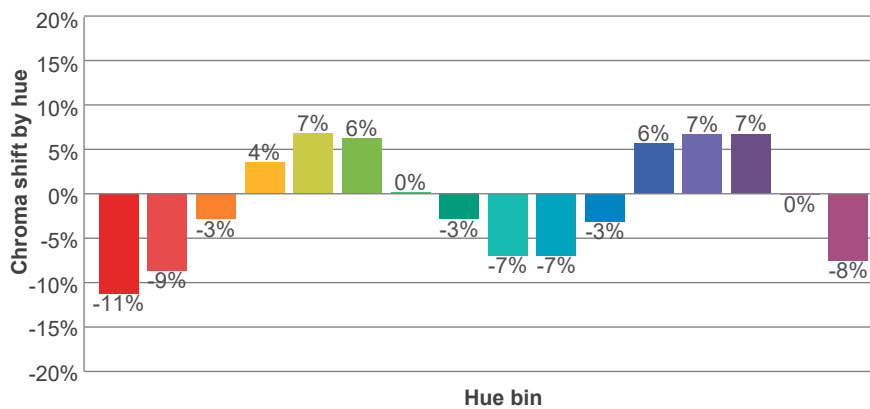
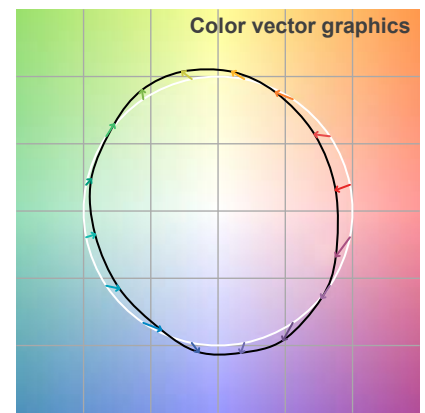
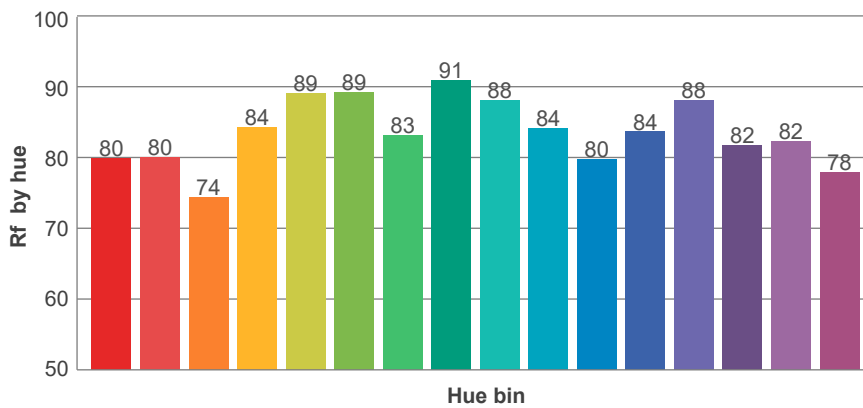
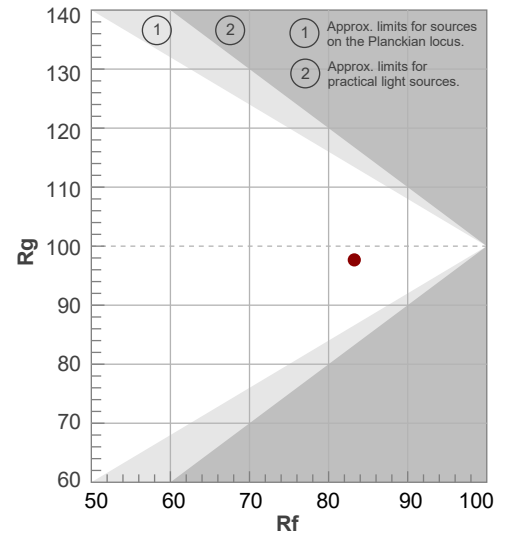
Rf 83.2

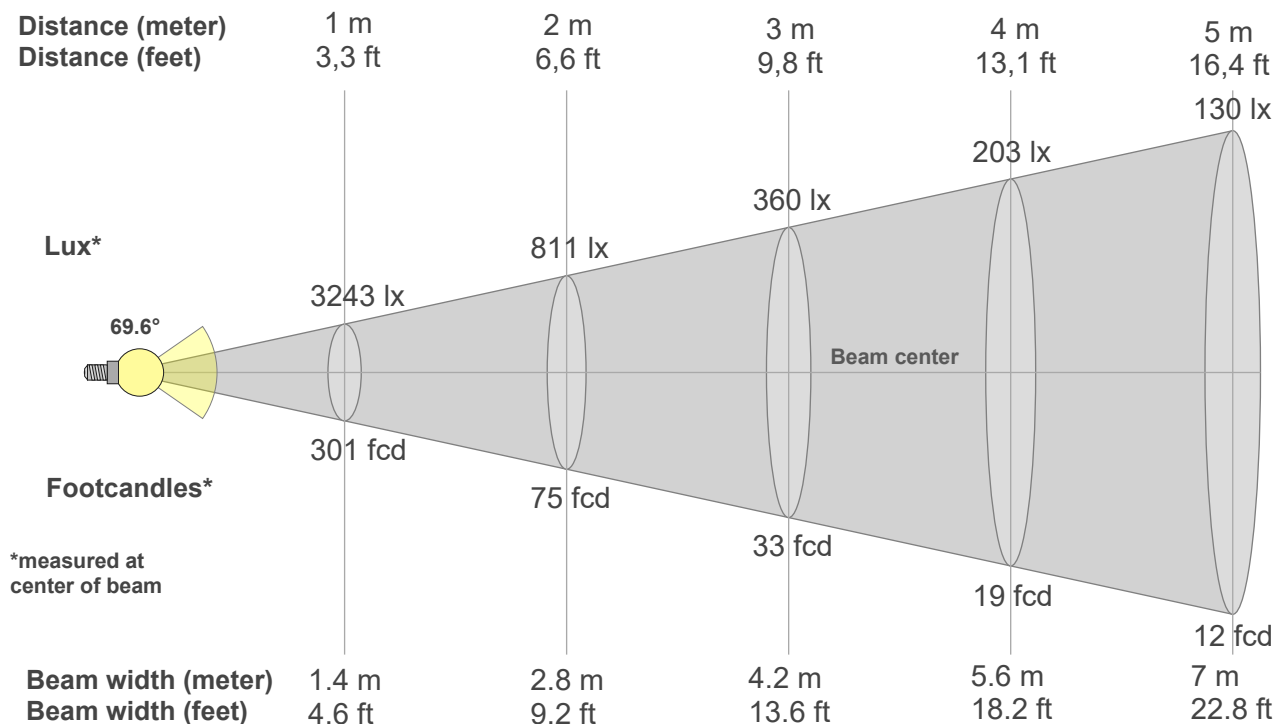
Fidelity index Rf

Rg 97.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	84	4%	10%
5	89	7%	6%
6	89	6%	-3%
7	83	0%	-11%
8	91	-3%	-5%
9	88	-7%	-1%
10	84	-7%	7%
11	80	-3%	14%
12	84	6%	6%
13	88	7%	-4%
14	82	7%	-13%
15	82	0%	-11%
16	78	-8%	-16%





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
3243lx	811lx	360lx	203lx	130lx	90lx	66lx	51lx	40lx	32lx	27lx	23lx	19lx	17lx	14lx	13lx	11lx	10lx	9lx	8lx
301.3fcd	75.3fcd	33.5fcd	18.8fcd	12.1fcd	8.4fcd	6.1fcd	4.7fcd	3.7fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.8fcd

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°
3243	3234	3212	3175	3123	3057	2977	2886	2786	2678	2565	2450	2335	2220	2104	1981	1837	1644	1333	902
100%	100%	99%	98%	96%	94%	92%	89%	86%	83%	79%	76%	72%	68%	65%	61%	57%	51%	41%	28%

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°
3243	3235	3216	3182	3136	3077	3005	2923	2831	2730	2622	2511	2397	2279	2158	2029	1878	1686	1358	946
100%	100%	99%	98%	97%	95%	93%	90%	87%	84%	81%	77%	74%	70%	67%	63%	58%	52%	42%	29%

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°
3243	3234	3212	3175	3123	3057	2977	2886	2786	2678	2565	2450	2335	2220	2104	1981	1837	1644	1333	902
100%	100%	99%	98%	96%	94%	92%	89%	86%	83%	79%	76%	72%	68%	65%	61%	57%	51%	41%	28%

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°
3243	3235	3216	3182	3136	3077	3005	2923	2831	2730	2622	2511	2397	2279	2158	2029	1878	1686	1358	946
100%	100%	99%	98%	97%	95%	93%	90%	87%	84%	81%	77%	74%	70%	67%	63%	58%	52%	42%	29%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
69.6°	88.7°	126.4°	96.7%	91.0%