

Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 94.0

Color temperature:

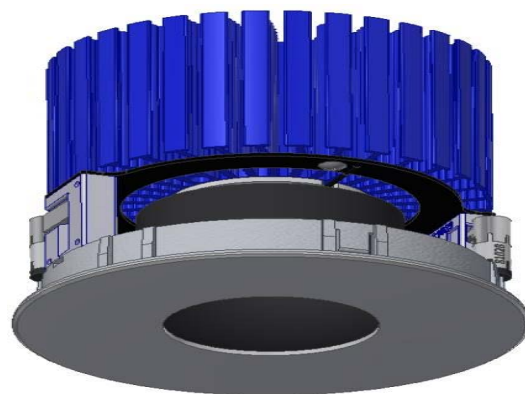
2894 K

Output: 919 lm

Peak: 2687 cd

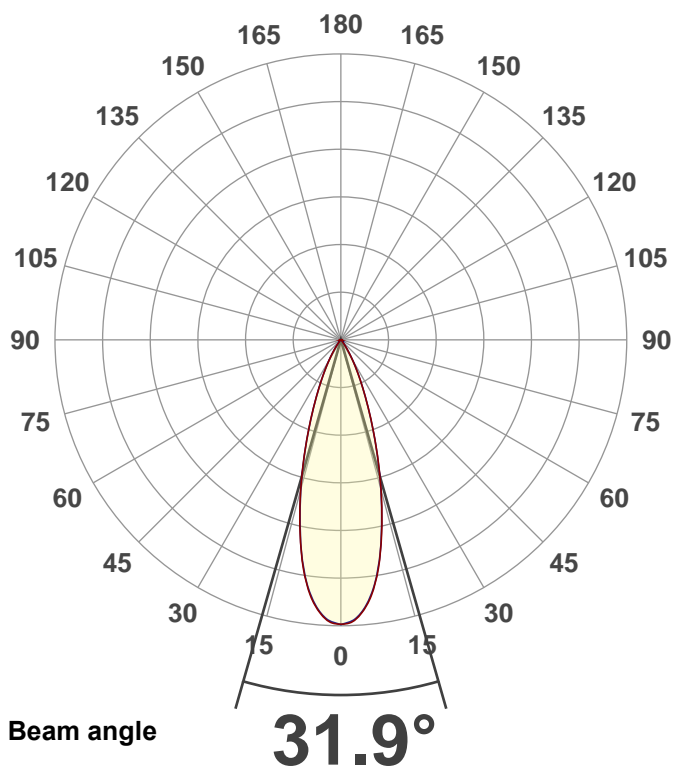
Power: 15.0 W

PF: 0.97



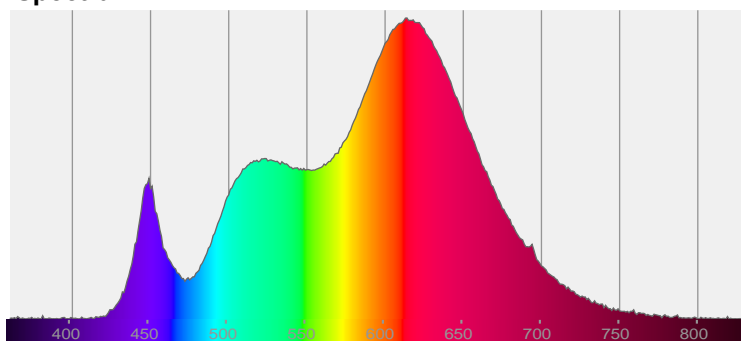
NU4-RDPH-15LM-30K-90-O35-120-DIM10-NC-WH

Date and time:
1/14/2020 9:30:36 AM

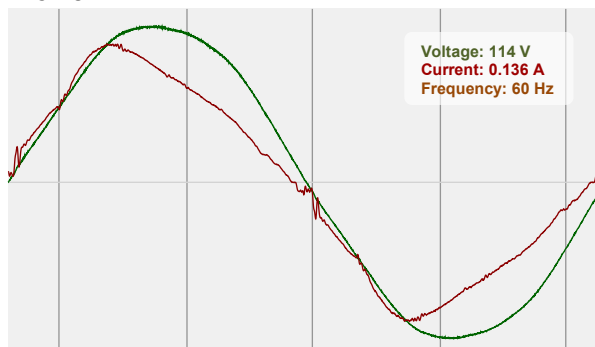


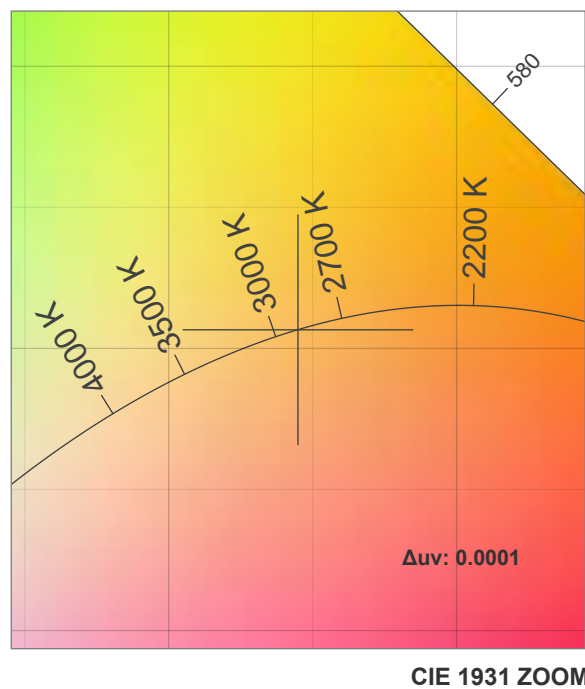
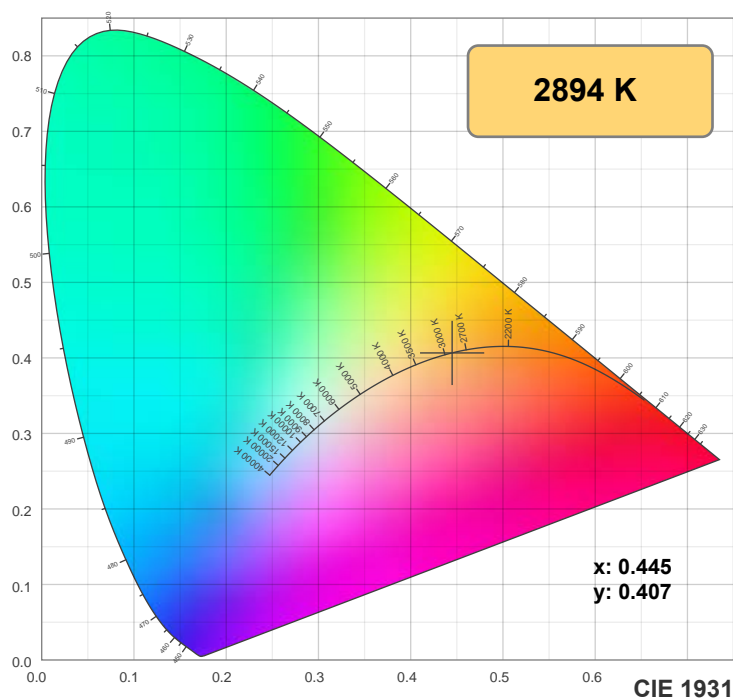
CIE 1931
x: 0.445
y: 0.407

Spectra

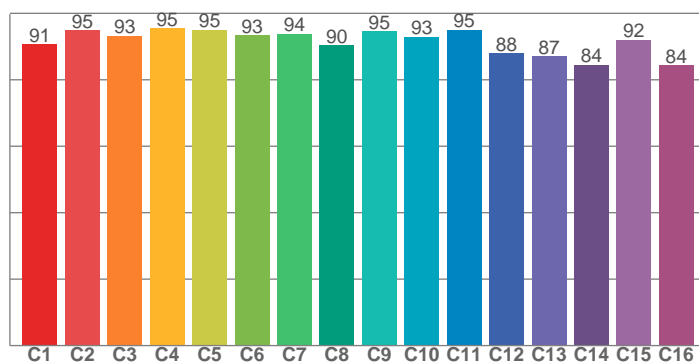


Power

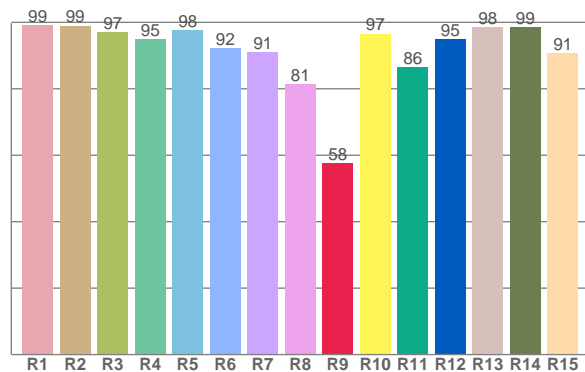




TM30: 92.0



CRI: 94.0 (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
99.1	98.9	97.0	95.0	97.7	92.2	91.1	81.3	57.7	96.6	86.5	94.8	98.4	98.6	90.6

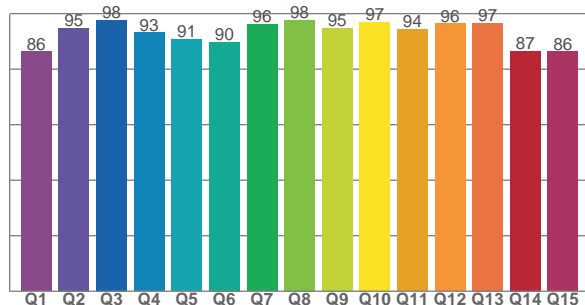
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.6	94.9	93.3	95.4	95.0	93.3	93.9	90.3	94.6	93.0	95.1	87.9	87.0	84.5	92.0	84.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.3	94.8	97.6	93.2	90.7	89.8	96.2	97.7	94.9	97.0	94.4	96.4	96.7	86.6	86.3

CQS: 91.8



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
2894 K	94.0	57.7	92.0	101.1	91.8	0.445	0.407	0.255	0.349	0.0001

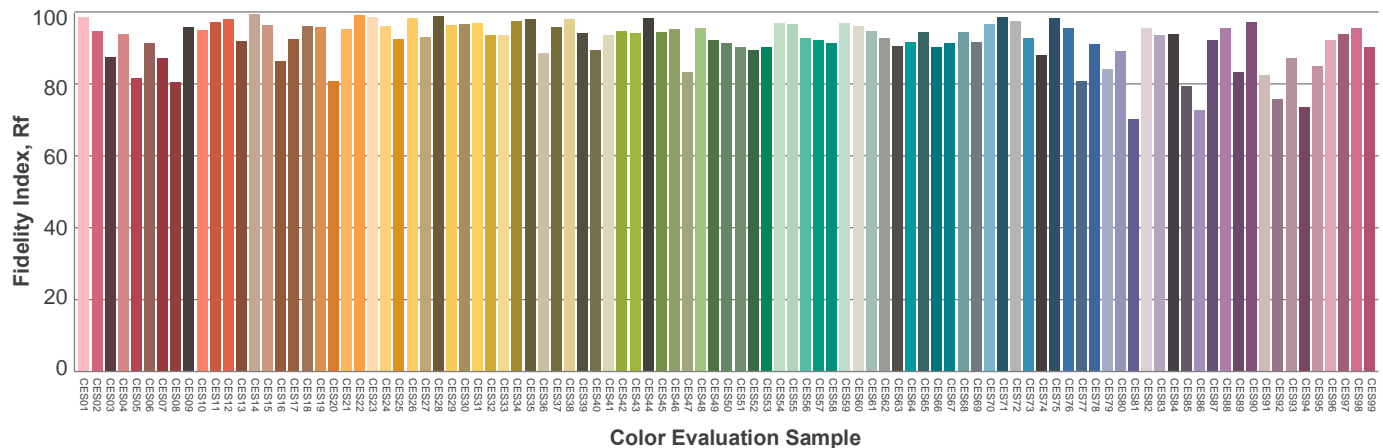
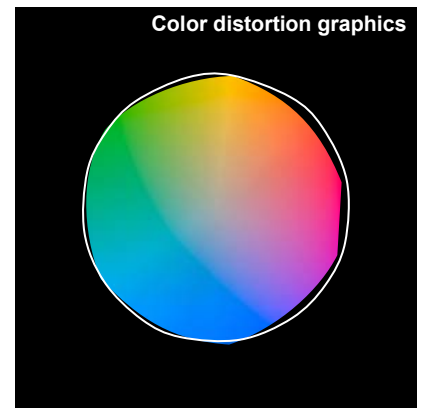
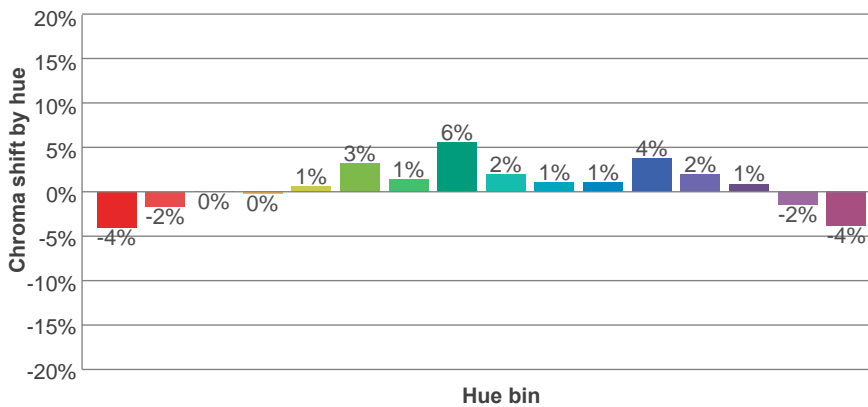
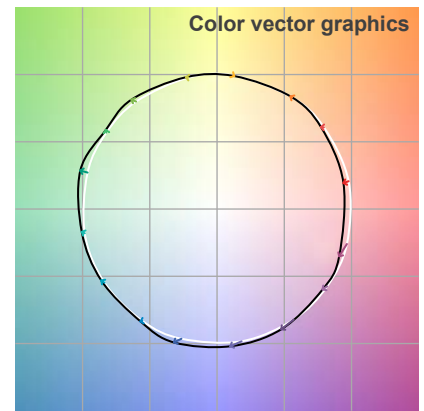
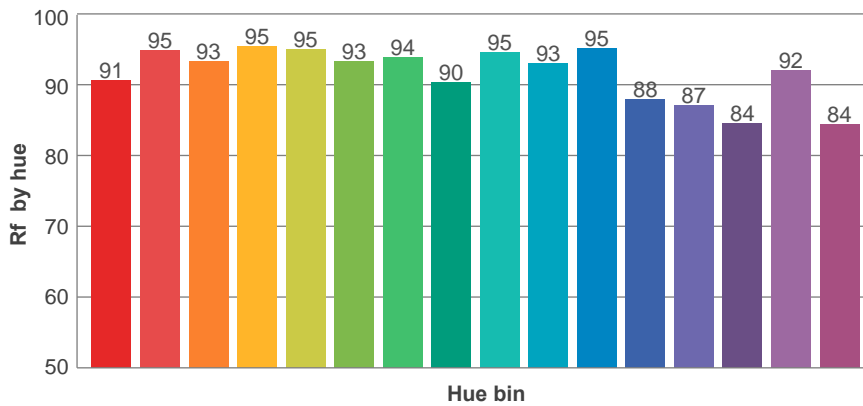
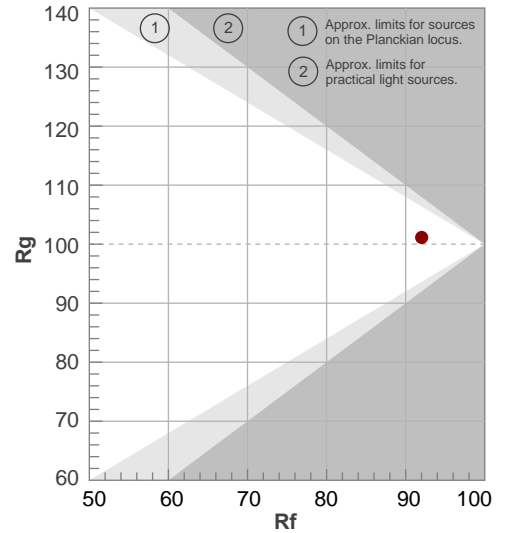
Rf 92.0

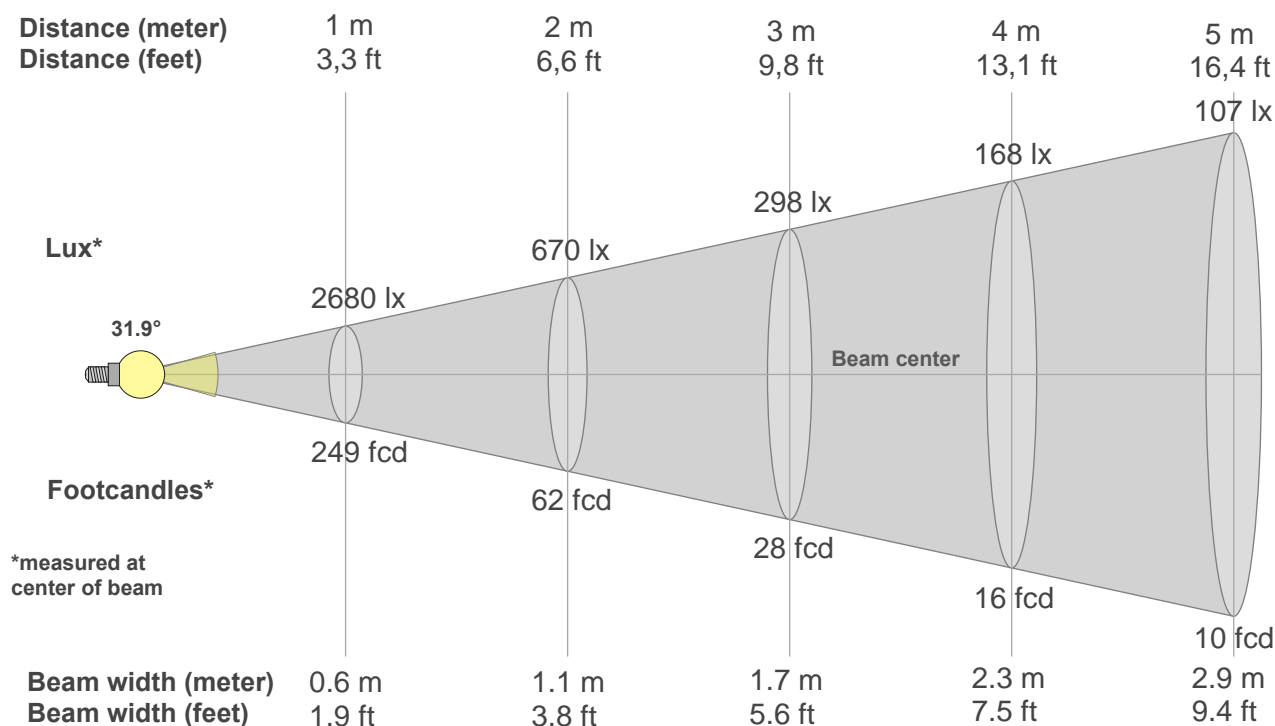
Fidelity index Rf

Rg 101.1

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	95	-2%	1%
3	93	0%	2%
4	95	0%	-1%
5	95	1%	2%
6	93	3%	2%
7	94	1%	-1%
8	90	6%	0%
9	95	2%	-2%
10	93	1%	-3%
11	95	1%	-1%
12	88	4%	-5%
13	87	2%	-9%
14	84	1%	-12%
15	92	-2%	-4%
16	84	-4%	-10%





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
2680lx	670lx	298lx	168lx	107lx	74lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx
249fcd	62.2fcd	27.7fcd	15.6fcd	10fcd	6.9fcd	5.1fcd	3.9fcd	3.1fcd	2.5fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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°
2680	2665	2597	2479	2314	2102	1853	1594	1339	1097	878	686	535	411	308	222	154	104	67	42
100%	99%	97%	93%	86%	78%	69%	59%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	3%	2%

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°
2680	2653	2584	2471	2313	2093	1842	1584	1333	1087	872	688	533	406	305	224	157	104	66	43
100%	99%	96%	92%	86%	78%	69%	59%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	2%	2%

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°
2680	2665	2597	2479	2314	2102	1853	1594	1339	1097	878	686	535	411	308	222	154	104	67	42
100%	99%	97%	93%	86%	78%	69%	59%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	3%	2%

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°
2680	2653	2584	2471	2313	2093	1842	1584	1333	1087	872	688	533	406	305	224	157	104	66	43
100%	99%	96%	92%	86%	78%	69%	59%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	2%	2%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	57.8°	72°	99.4%	99.0%