

Light efficiency:

47 Lumen/Watt

Light quality:

CRI: 94.2

Color temperature:

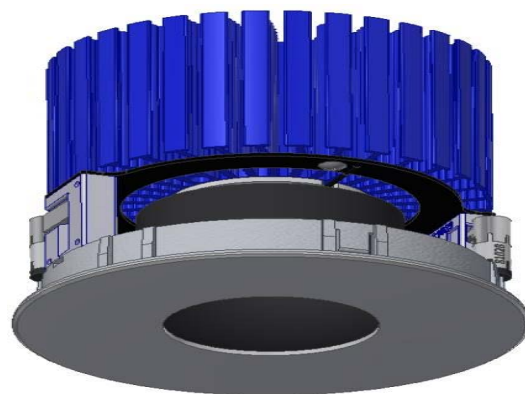
2946 K

Output: 703 lm

Peak: 9473 cd

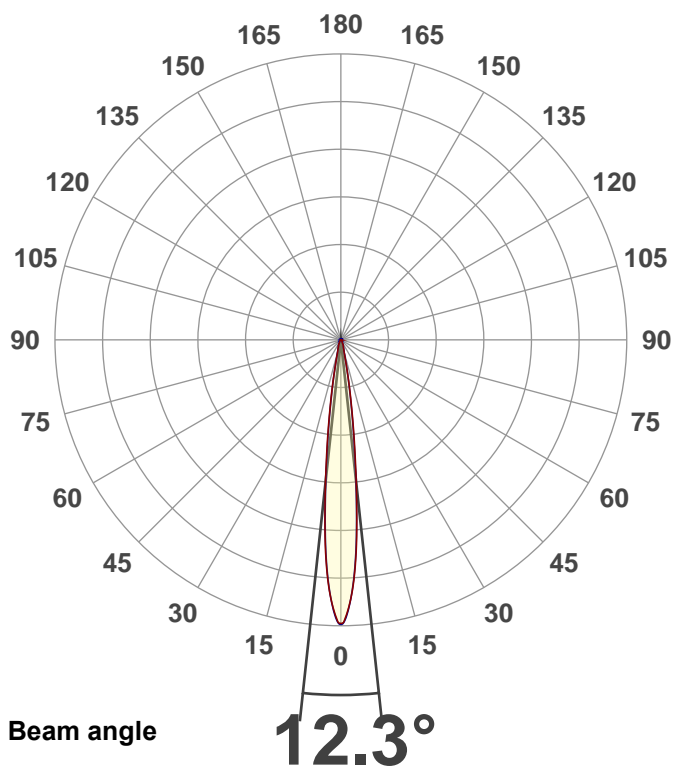
Power: 15.0 W

PF: 0.97



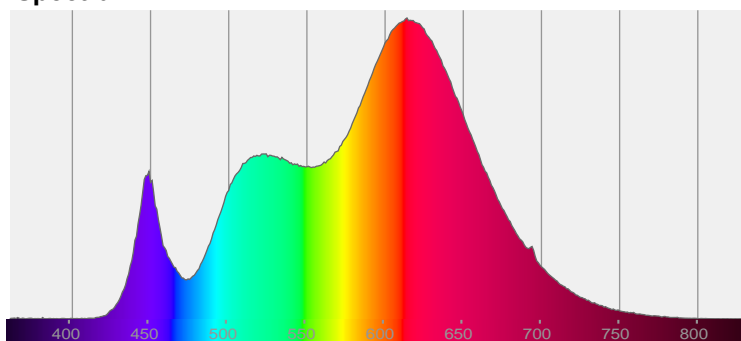
NU4-RDPH-15LM-30K-90-L10-120-DIM10-NC-WH

Date and time:
1/14/2020 8:39:23 AM

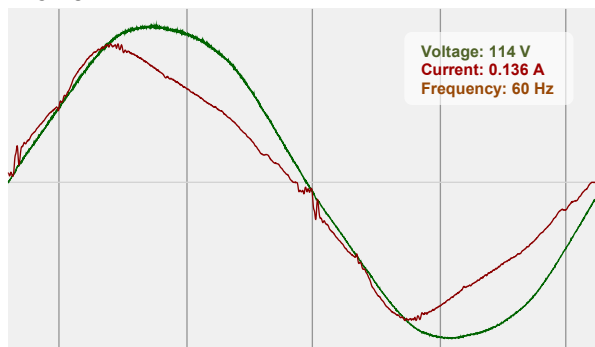


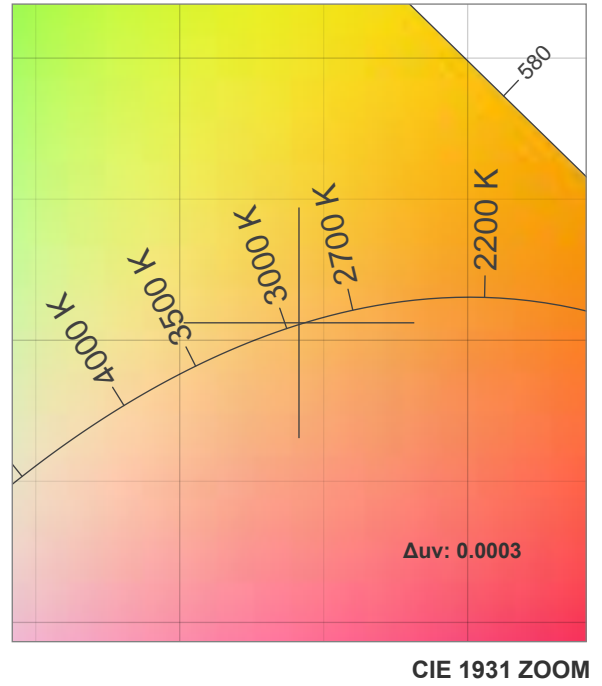
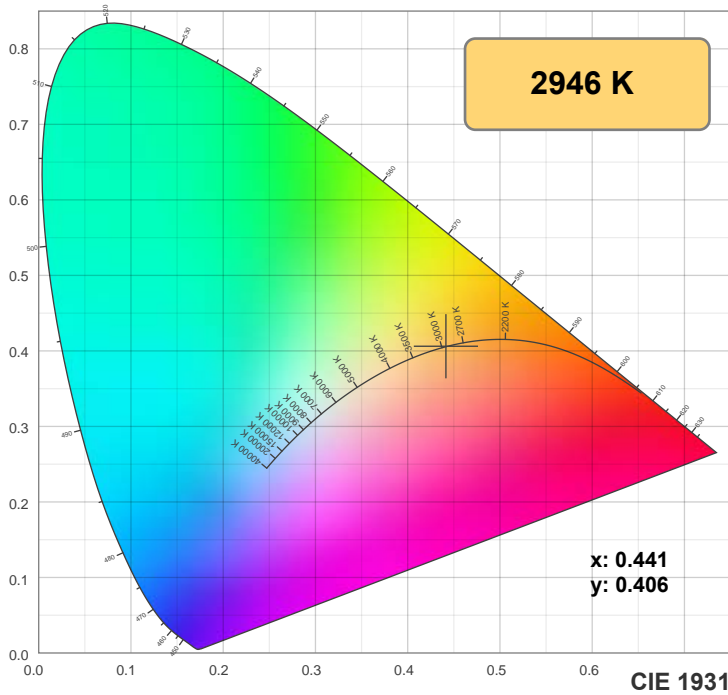
CIE 1931
x: 0.441
y: 0.406

Spectra

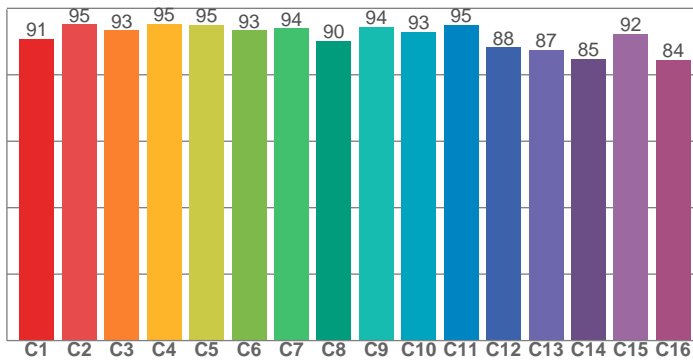


Power

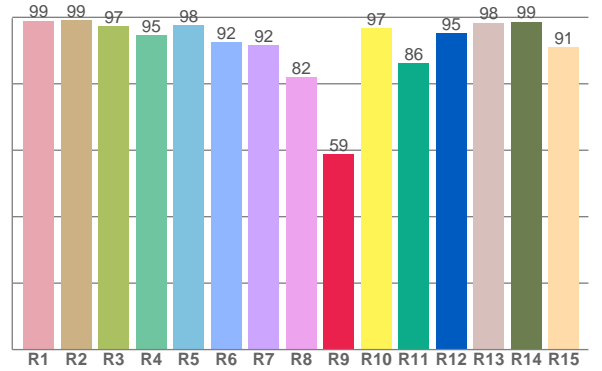




TM30: 92.1



CRI: 94.2 (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
99.0	99.1	97.3	94.6	97.5	92.5	91.6	82.1	58.8	96.8	86.1	95.3	98.4	98.7	90.9

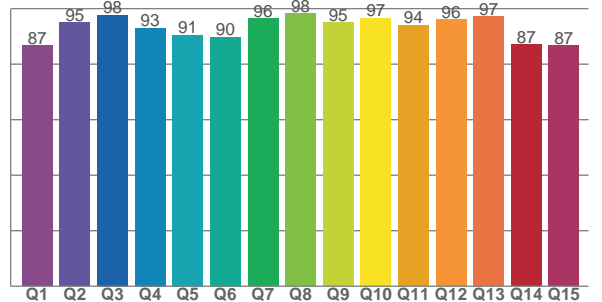
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.8	95.2	93.3	95.3	95.0	93.3	94.0	90.2	94.4	93.0	95.1	88.2	87.5	84.9	92.3	84.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.7	95.0	97.7	93.1	90.5	89.8	96.5	98.2	95.0	96.7	94.0	96.0	97.2	87.0	86.8

CQS: 91.9



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
2946 K	94.2	58.8	92.1	101.2	91.9	0.441	0.406	0.253	0.349	0.0003

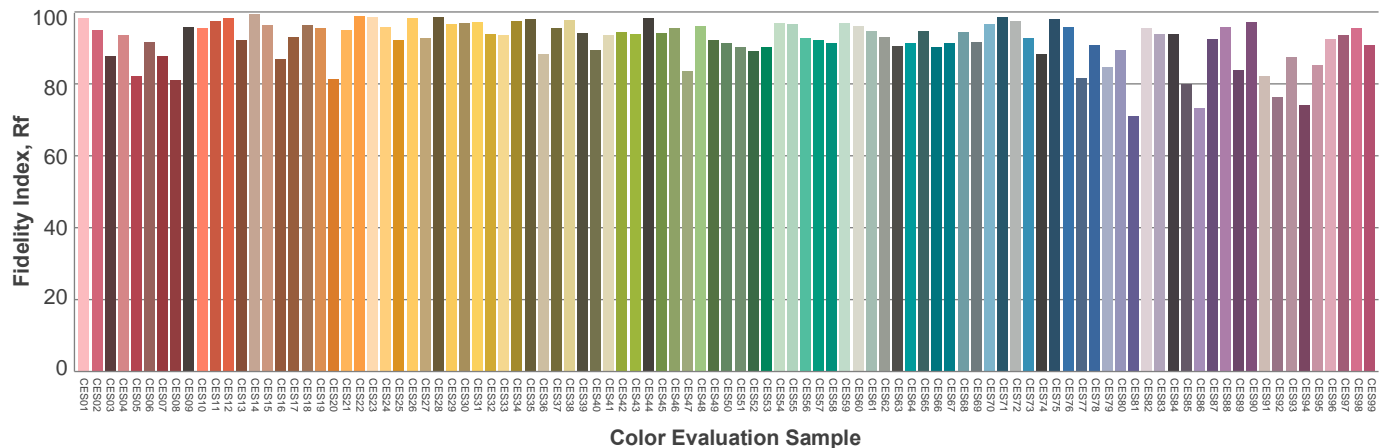
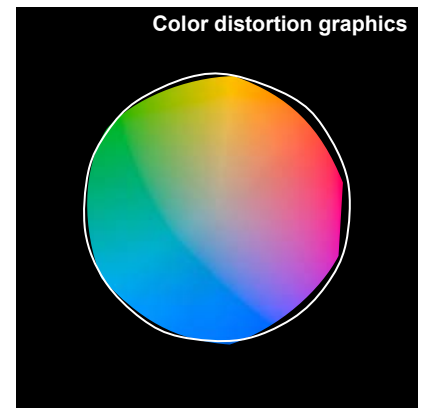
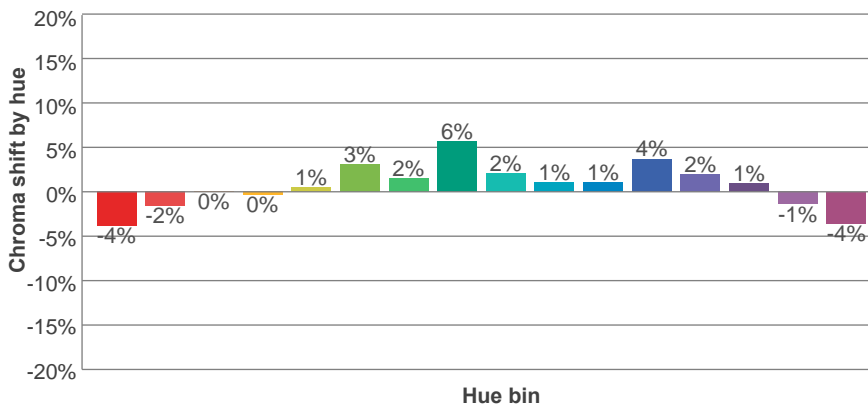
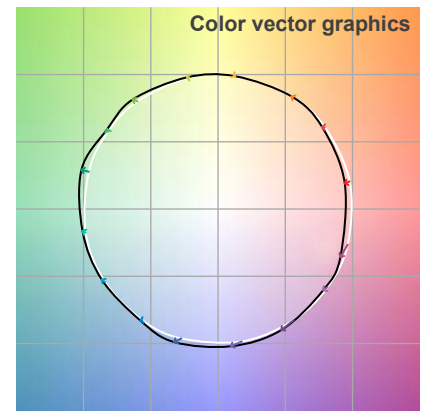
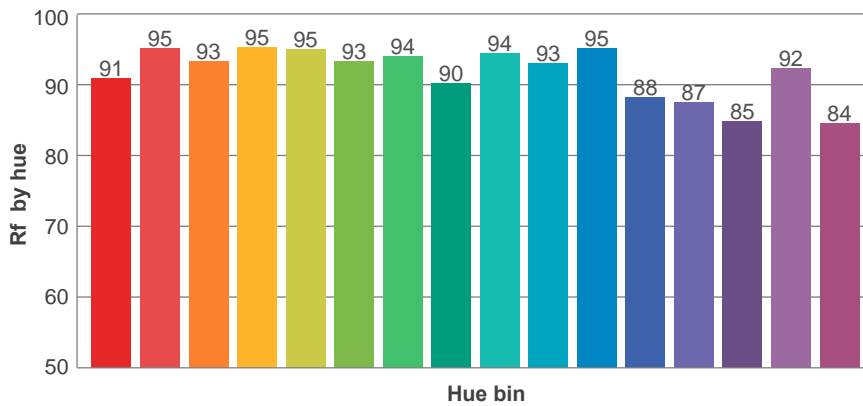
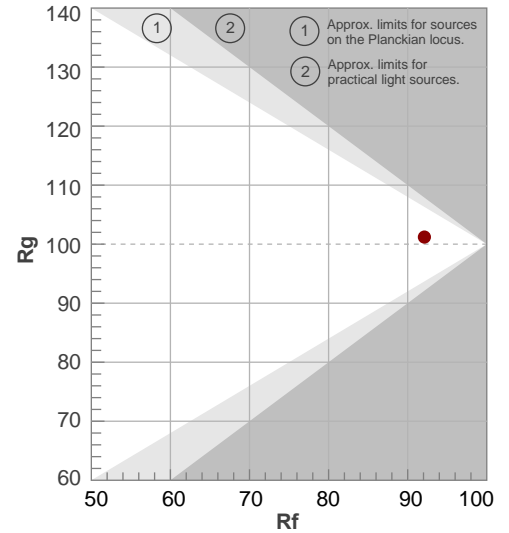
Rf 92.1

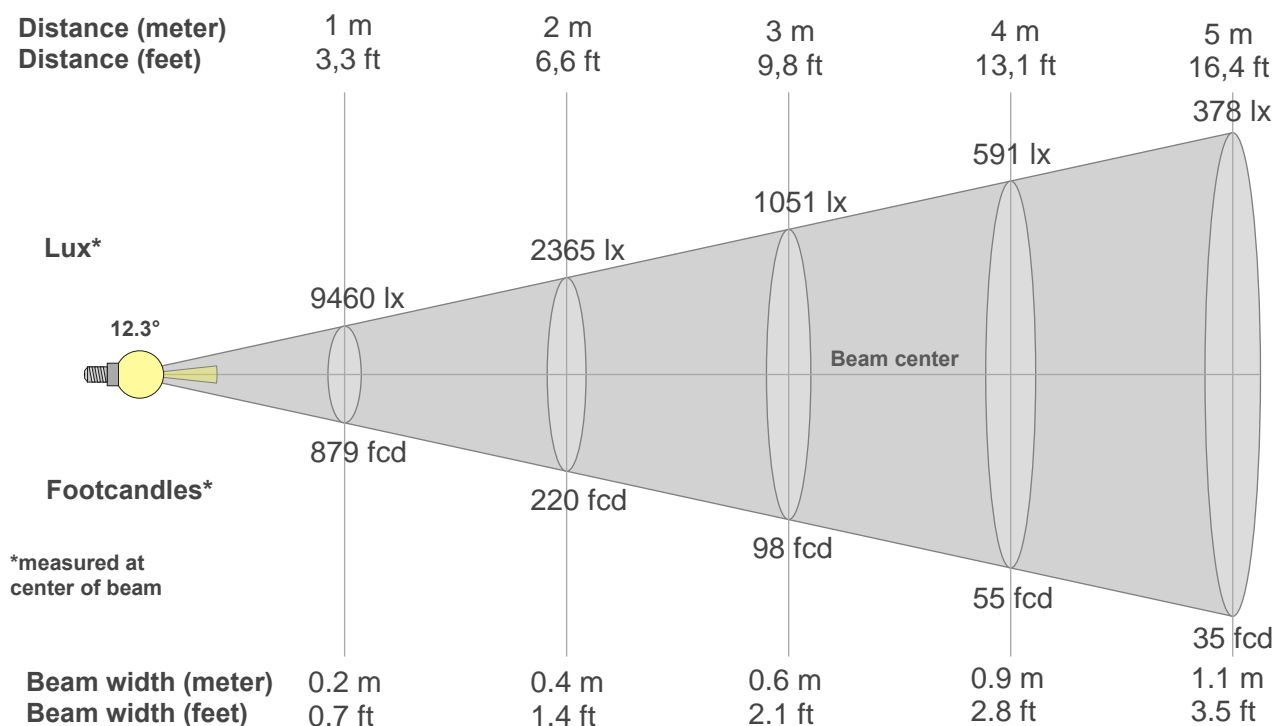
Fidelity index Rf

Rg 101.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	95	-2%	1%
3	93	0%	1%
4	95	0%	-1%
5	95	1%	2%
6	93	3%	2%
7	94	2%	-1%
8	90	6%	0%
9	94	2%	-2%
10	93	1%	-3%
11	95	1%	-1%
12	88	4%	-5%
13	87	2%	-9%
14	85	1%	-11%
15	92	-1%	-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
9460lx	2365lx	1051lx	591lx	378lx	263lx	193lx	148lx	117lx	95lx	78lx	66lx	56lx	48lx	42lx	37lx	33lx	29lx	26lx	24lx
878.9fc	219.7fc	97.7fc	54.9fc	35.2fc	24.4fc	17.9fc	13.7fc	10.9fc	8.8fc	7.3fc	6.1fc	5.2fc	4.5fc	3.9fc	3.4fc	3fc	2.7fc	2.4fc	2.2fc

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°
9460	9234	8746	8092	7205	6100	4950	3918	3051	2315	1742	1275	918	674	513	423	366	328	298	268
100%	98%	92%	86%	76%	64%	52%	41%	32%	24%	18%	13%	10%	7%	5%	4%	4%	3%	3%	3%

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°
9460	9276	8754	8037	7122	5990	4811	3769	2896	2187	1631	1201	863	636	501	416	362	323	287	263
100%	98%	93%	85%	75%	63%	51%	40%	31%	23%	17%	13%	9%	7%	5%	4%	4%	3%	3%	3%

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°
9460	9234	8746	8092	7205	6100	4950	3918	3051	2315	1742	1275	918	674	513	423	366	328	298	268
100%	98%	92%	86%	76%	64%	52%	41%	32%	24%	18%	13%	10%	7%	5%	4%	4%	3%	3%	3%

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°
9460	9276	8754	8037	7122	5990	4811	3769	2896	2187	1631	1201	863	636	501	416	362	323	287	263
100%	98%	93%	85%	75%	63%	51%	40%	31%	23%	17%	13%	9%	7%	5%	4%	4%	3%	3%	3%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	23.6°	40.8°	99.8%	98.9%