

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 94.1

Color temperature:

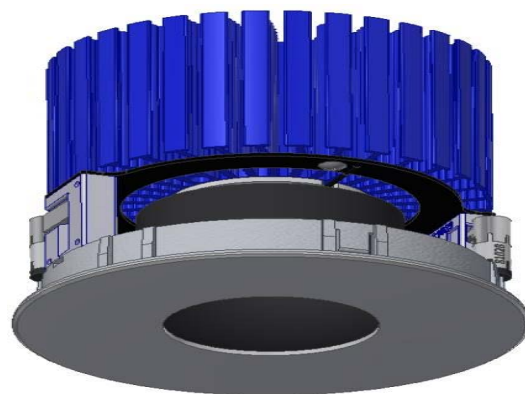
2948 K

Output: 479 lm

Peak: 6382 cd

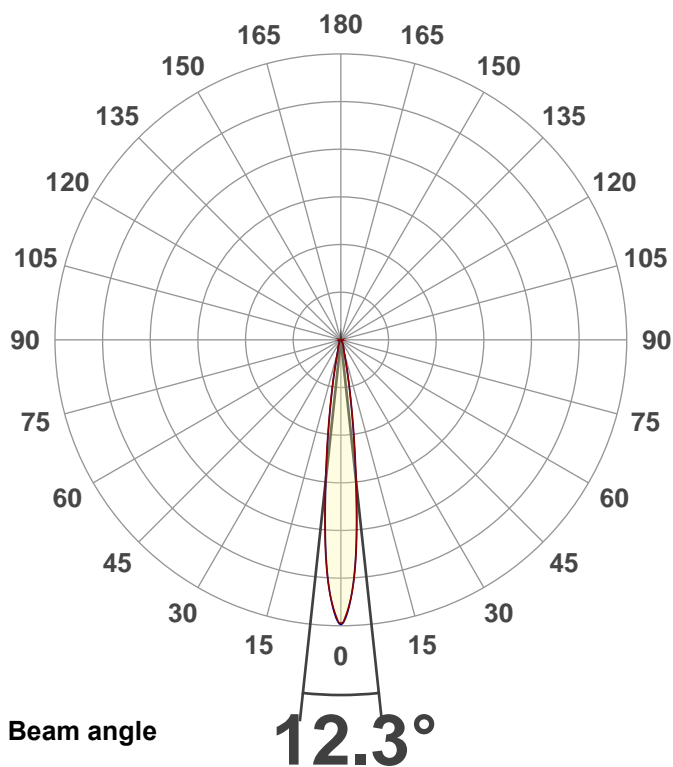
Power: 9.8 W

PF: 0.95



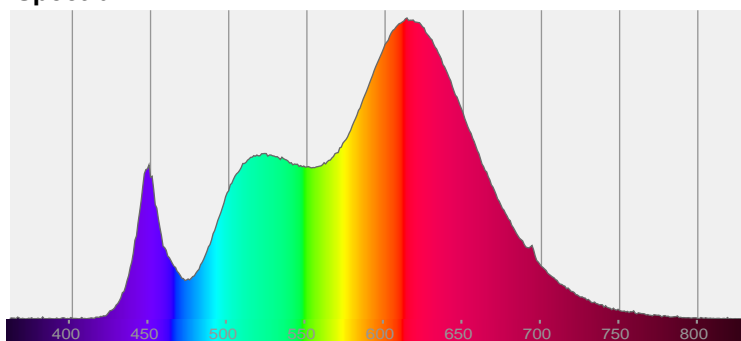
NU4-RDPH-10LM-30K-90-L10-120-DIM10-NC-WH

Date and time:
1/14/2020 8:59:10 AM

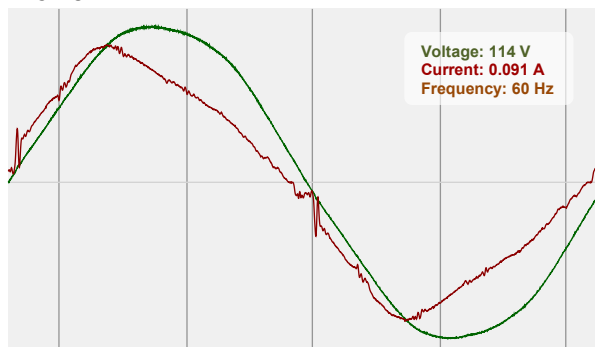


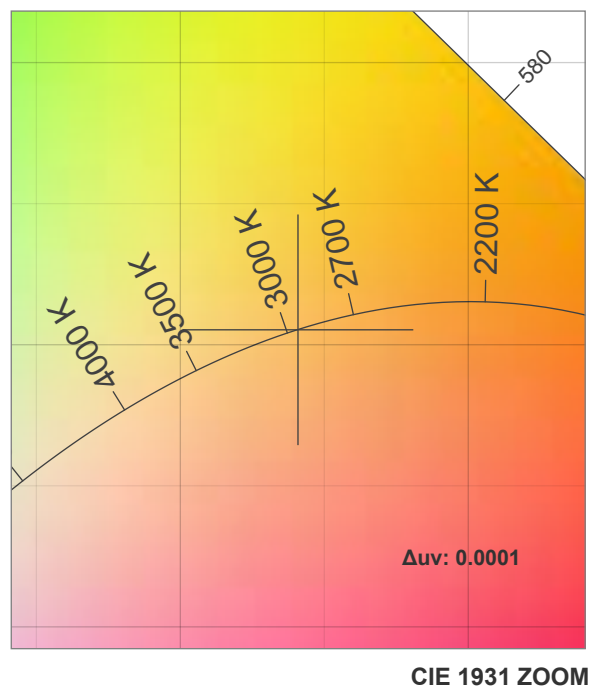
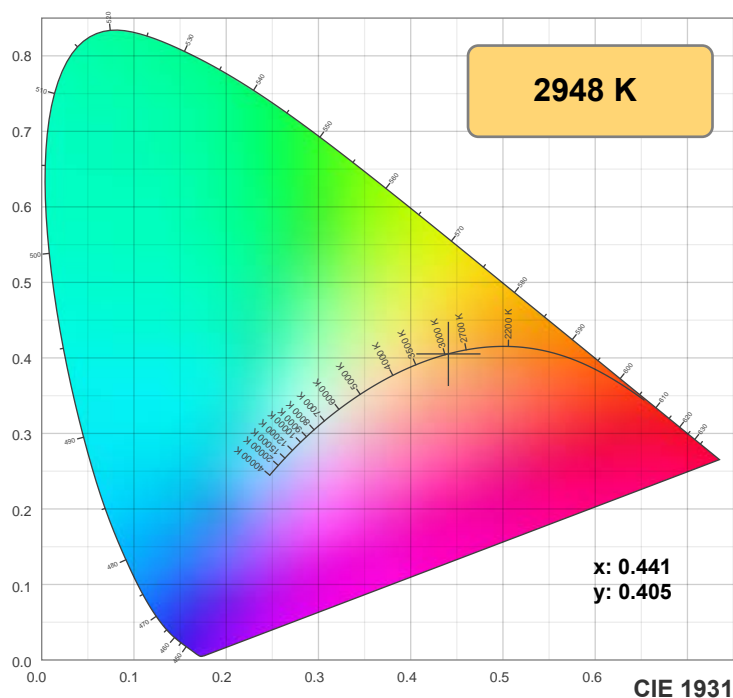
CIE 1931
x: 0.441
y: 0.405

Spectra

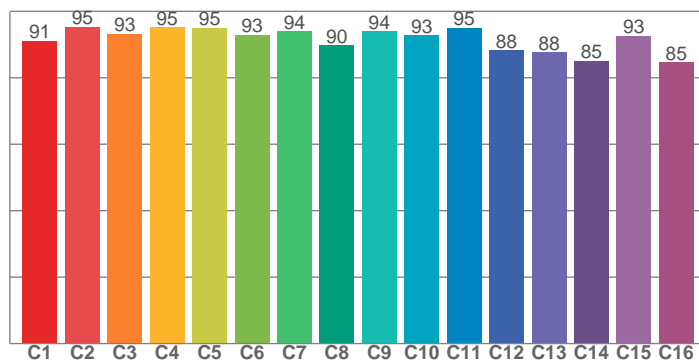


Power

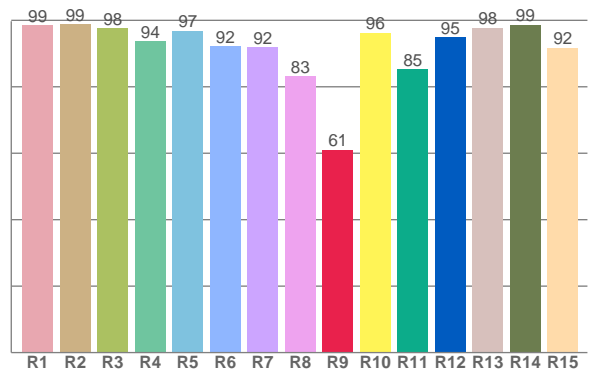




TM30: 92.1



CRI: 94.1 (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
98.5	98.8	97.6	93.8	96.9	92.1	91.9	83.1	61.1	96.3	85.2	94.9	97.8	98.7	91.8

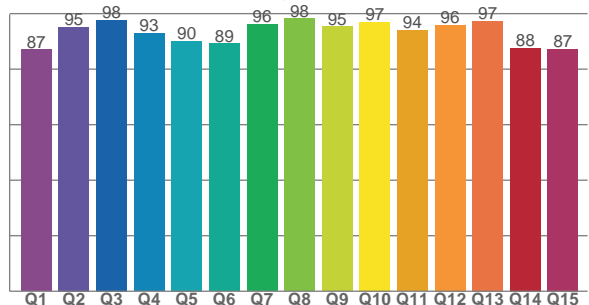
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.2	95.4	93.2	95.2	95.0	92.9	93.9	89.7	94.0	92.7	95.0	88.2	87.7	85.2	92.6	84.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.1	95.2	97.6	92.9	90.1	89.3	96.2	98.2	95.3	97.0	94.0	95.8	97.4	87.6	87.3

CQS: 92.0



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
2948 K	94.1	61.1	92.1	101.6	92.0	0.441	0.405	0.253	0.348	0.0001

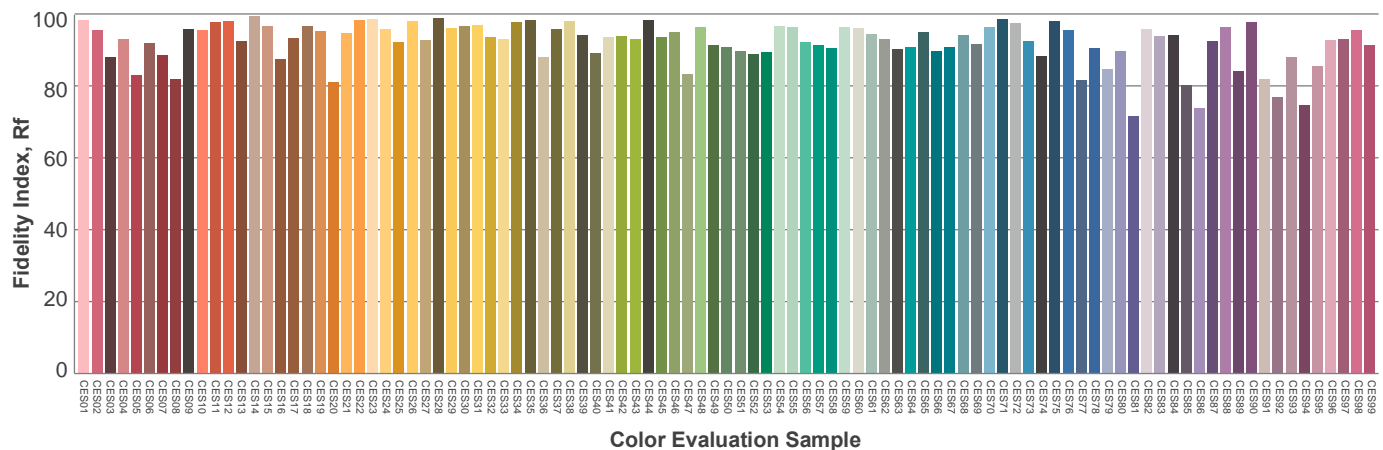
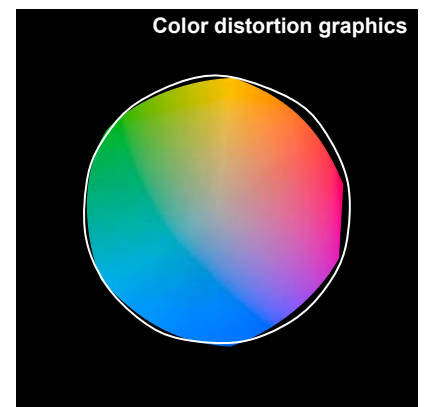
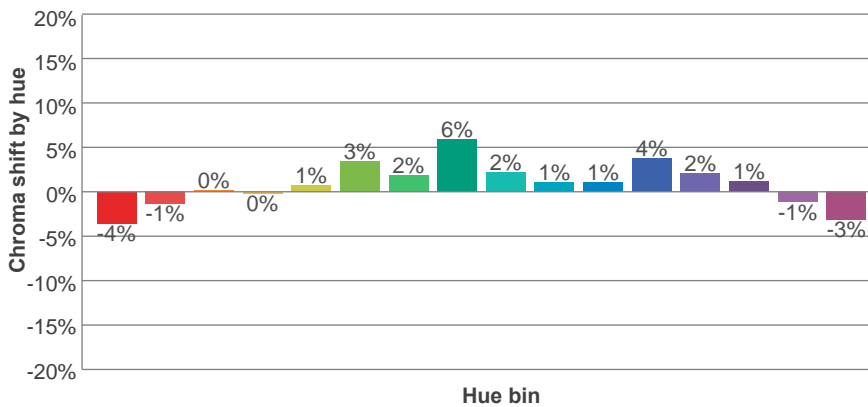
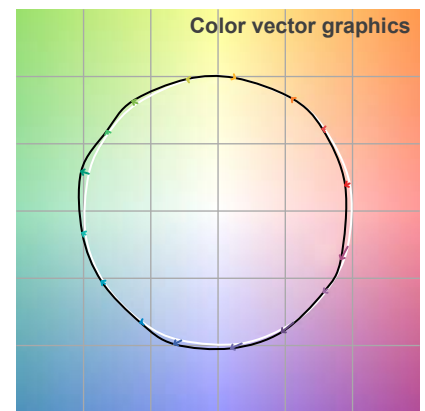
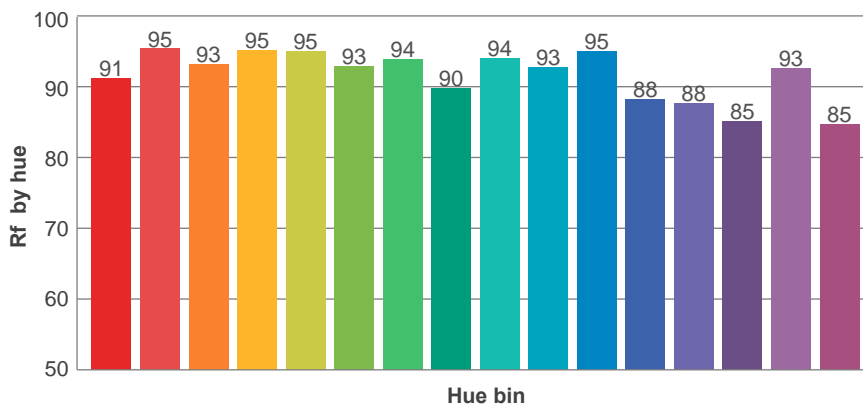
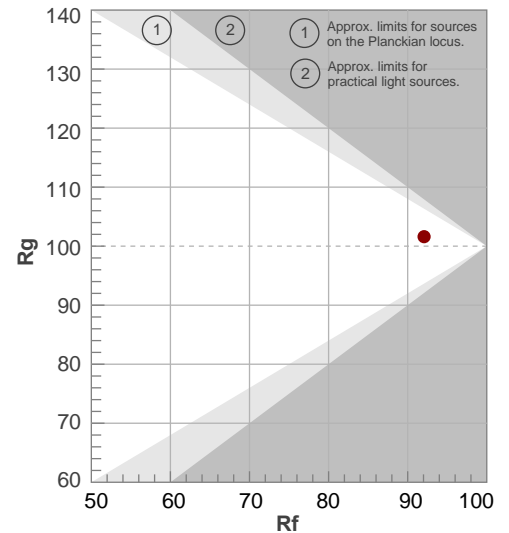
Rf 92.1

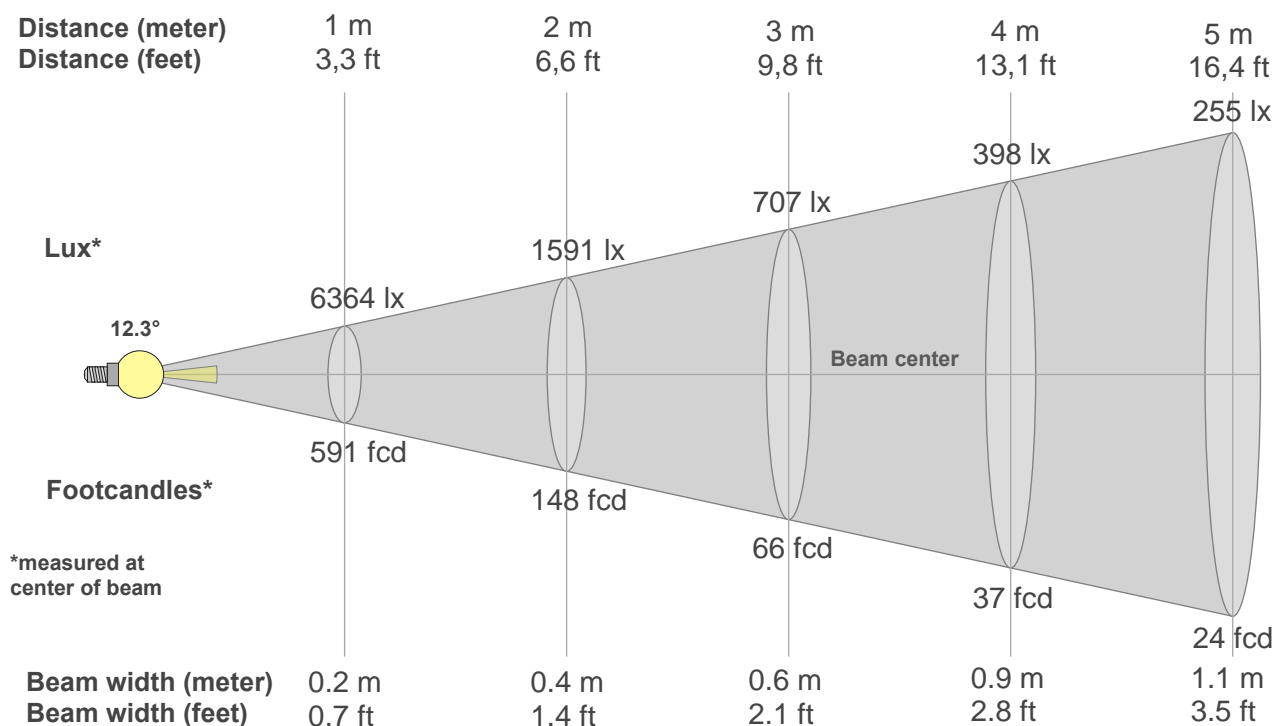
Fidelity index Rf

Rg 101.6

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-4%	-1%
2	95	-1%	1%
3	93	0%	1%
4	95	0%	-1%
5	95	1%	2%
6	93	3%	2%
7	94	2%	-1%
8	90	6%	-1%
9	94	2%	-2%
10	93	1%	-3%
11	95	1%	-1%
12	88	4%	-5%
13	88	2%	-8%
14	85	1%	-11%
15	93	-1%	-4%
16	85	-3%	-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
6364lx	1591lx	707lx	398lx	255lx	177lx	130lx	99lx	79lx	64lx	53lx	44lx	38lx	32lx	28lx	25lx	22lx	20lx	18lx	16lx
591.2fcd	147.8fcd	65.7fcd	37fcd	23.6fcd	16.4fcd	12.1fcd	9.2fcd	7.3fcd	5.9fcd	4.9fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6364	6200	5882	5455	4857	4107	3333	2636	2045	1550	1169	860	622	459	350	287	250	222	204	183
100%	97%	92%	86%	76%	65%	52%	41%	32%	24%	18%	14%	10%	7%	5%	5%	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°
6364	6235	5897	5418	4800	4031	3231	2528	1935	1461	1094	811	585	431	340	283	249	220	196	179
100%	98%	93%	85%	75%	63%	51%	40%	30%	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°
6364	6200	5882	5455	4857	4107	3333	2636	2045	1550	1169	860	622	459	350	287	250	222	204	183
100%	97%	92%	86%	76%	65%	52%	41%	32%	24%	18%	14%	10%	7%	5%	5%	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°
6364	6235	5897	5418	4800	4031	3231	2528	1935	1461	1094	811	585	431	340	283	249	220	196	179
100%	98%	93%	85%	75%	63%	51%	40%	30%	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}°	23.7°	41.4°	99.6%	98.4%