

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 94.1

Color temperature:

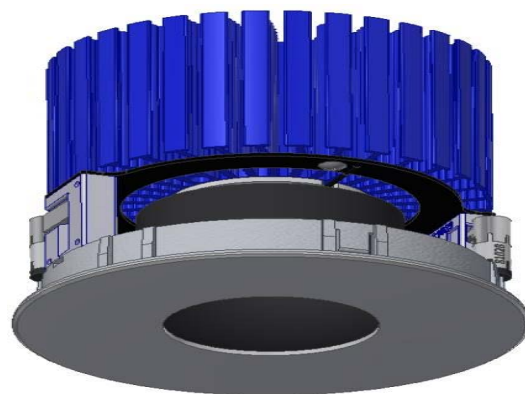
2883 K

Output: 656 lm

Peak: 3124 cd

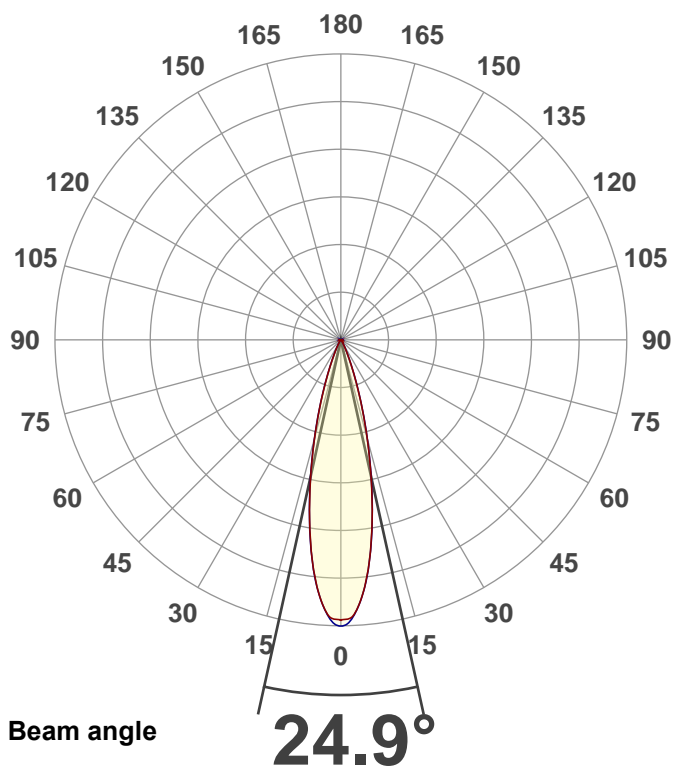
Power: 9.7 W

PF: 0.95



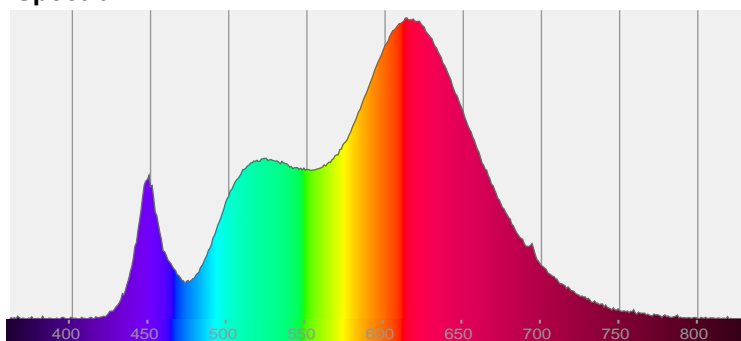
NU4-RDPH-10LM-30K-90-O25-120-DIM10-NC-WH

Date and time:
1/14/2020 9:46:02 AM

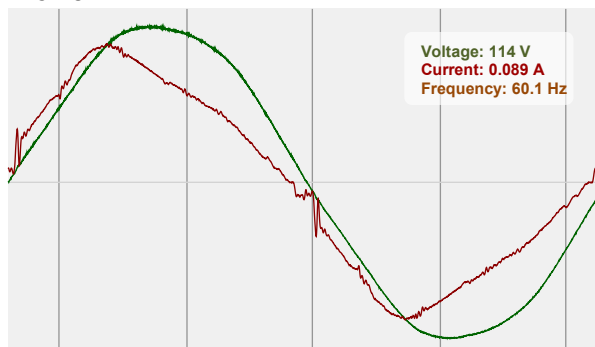


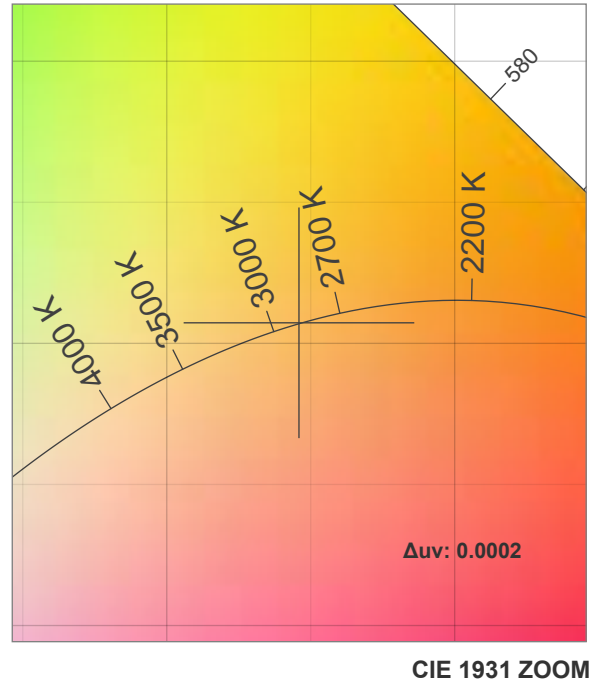
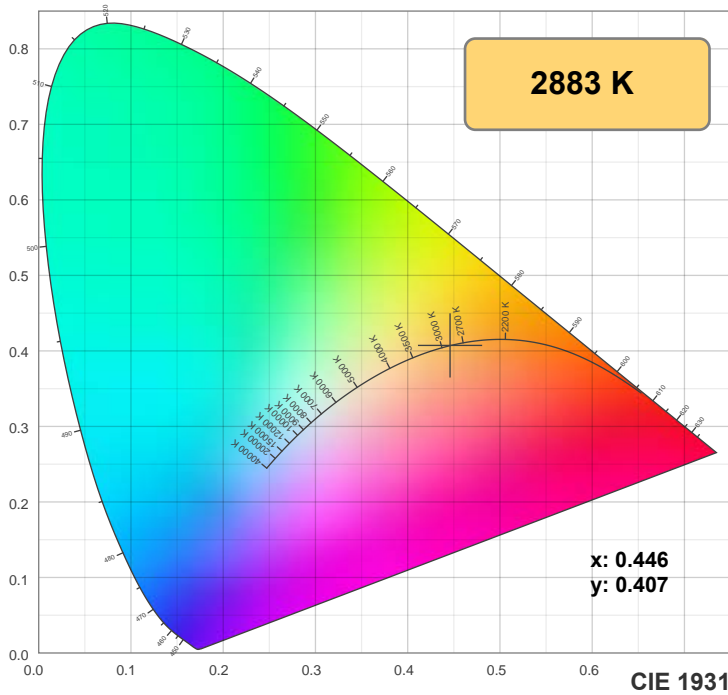
CIE 1931
x: 0.446
y: 0.407

Spectra

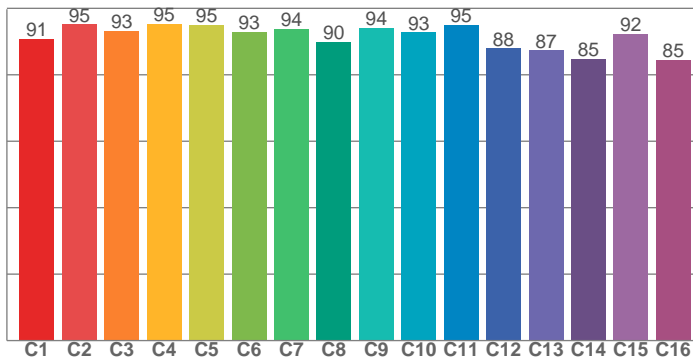


Power

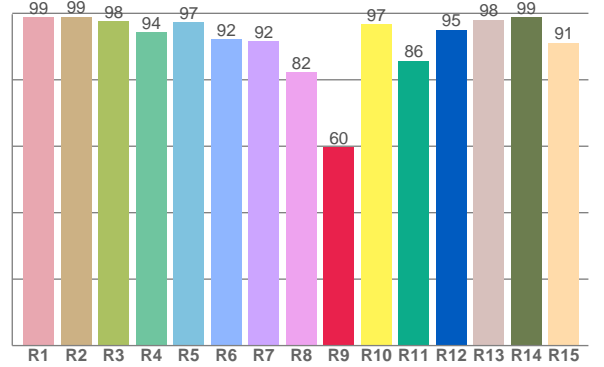




TM30: 92.0



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
98.9	98.9	97.5	94.3	97.3	92.2	91.6	82.3	59.6	96.7	85.7	95.0	98.1	98.7	91.2

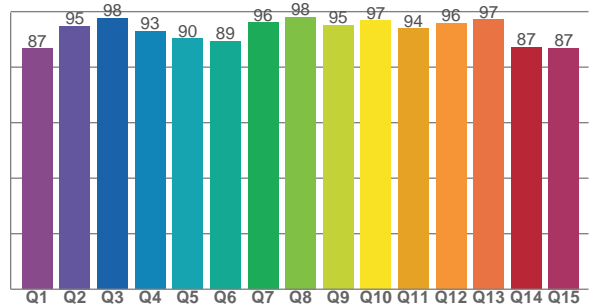
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.9	95.2	93.2	95.3	95.0	93.0	93.9	89.9	94.2	92.8	95.1	88.0	87.3	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	94.9	97.6	92.9	90.2	89.3	96.0	98.0	95.1	96.8	94.0	95.8	97.2	87.2	86.9

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
2883 K	94.1	59.6	92.0	101.4	91.8	0.446	0.407	0.255	0.349	0.0002

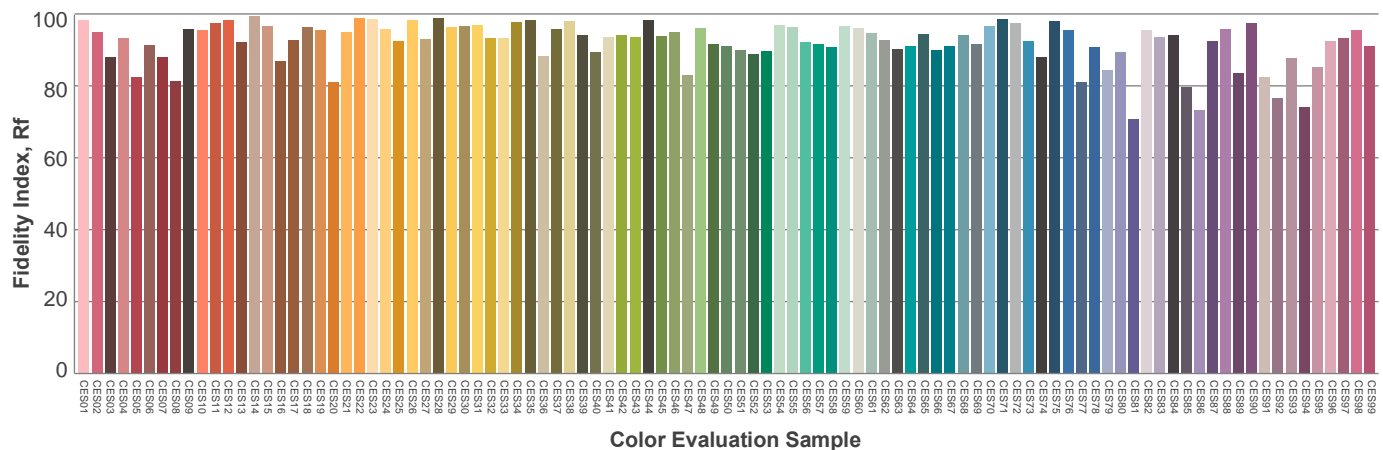
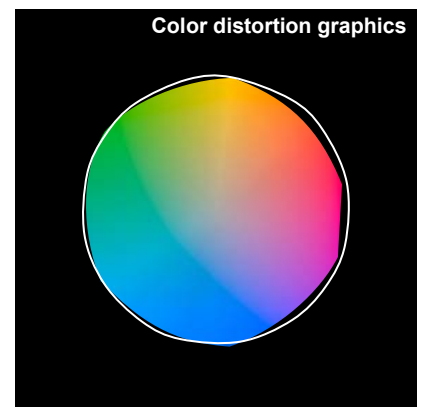
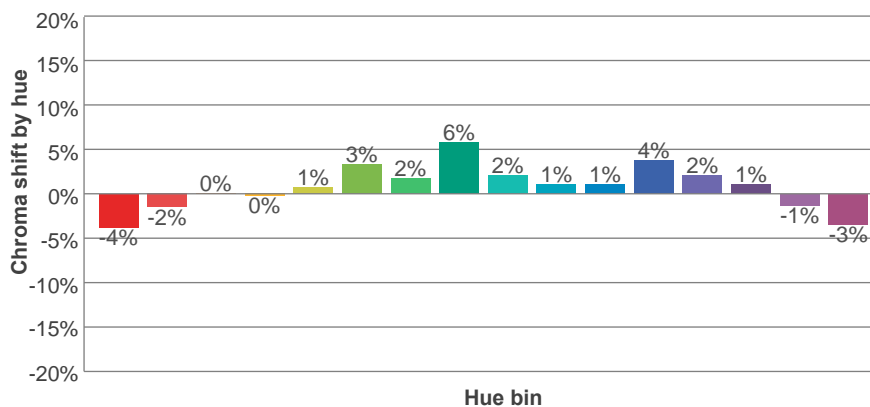
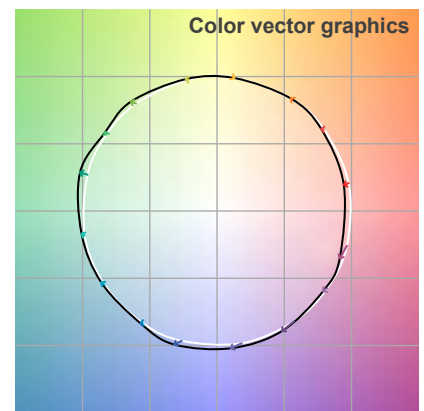
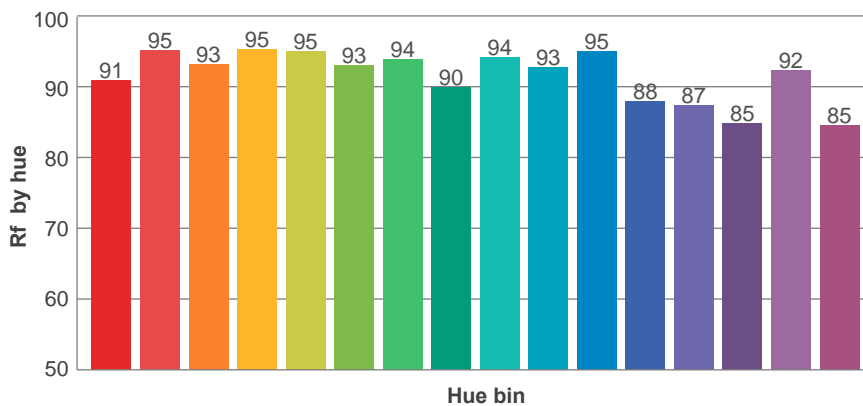
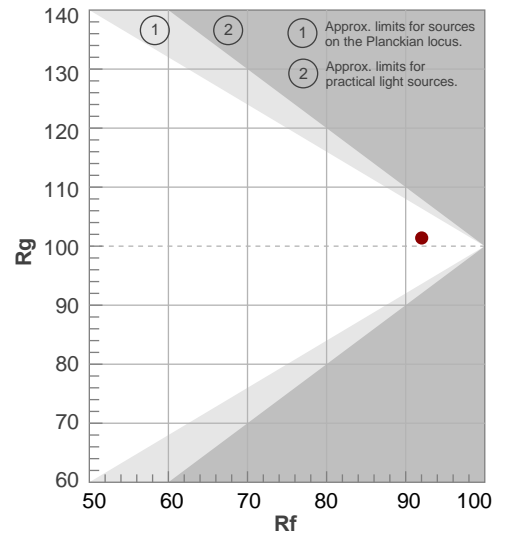
Rf 92.0

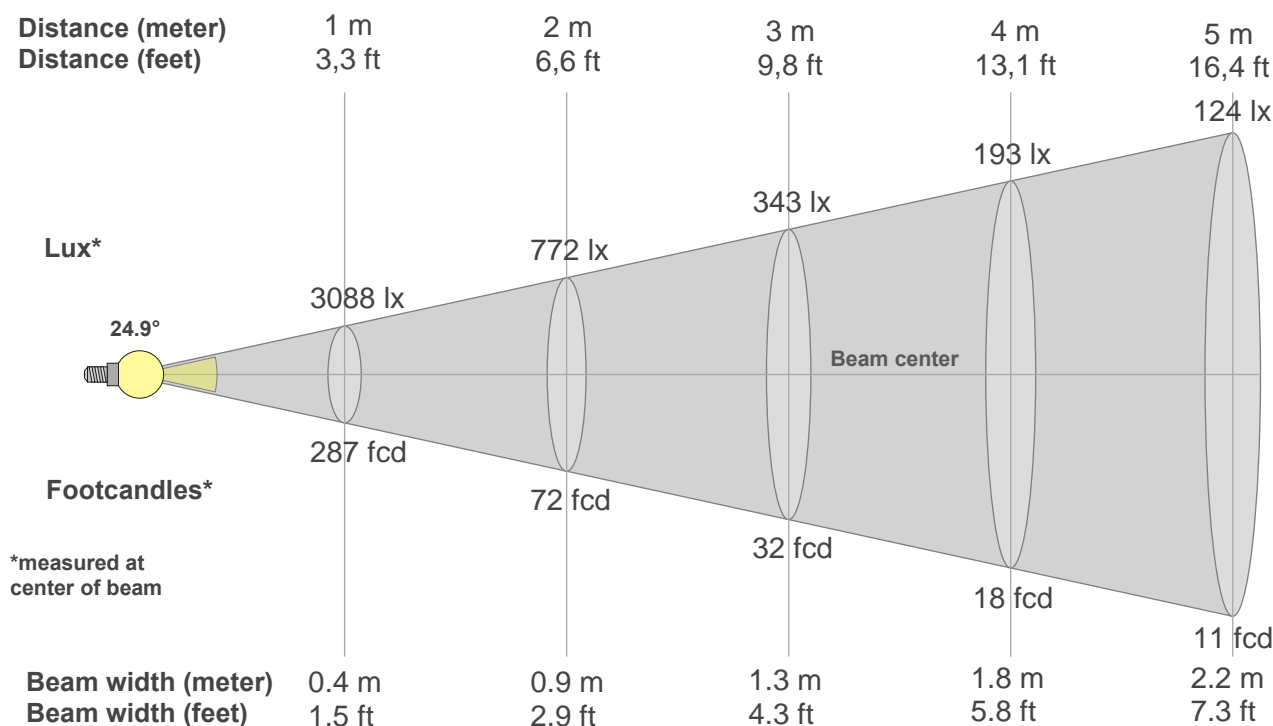
Fidelity index Rf

Rg 101.4

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%	-1%
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	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
3088lx	772lx	343lx	193lx	124lx	86lx	63lx	48lx	38lx	31lx	26lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
286.9fcd	71.7fcd	31.9fcd	17.9fcd	11.5fcd	8fcd	5.9fcd	4.5fcd	3.5fcd	2.9fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3088	3048	2893	2648	2337	1982	1620	1281	973	705	484	319	211	137	89	58	37	26	18	12
100%	99%	94%	86%	76%	64%	52%	41%	32%	23%	16%	10%	7%	4%	3%	2%	1%	1%	1%	0%

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°
3088	3070	2905	2659	2338	1987	1630	1287	972	707	491	325	207	131	86	58	38	26	17	11
100%	99%	94%	86%	76%	64%	53%	42%	31%	23%	16%	11%	7%	4%	3%	2%	1%	1%	1%	0%

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°
3088	3048	2893	2648	2337	1982	1620	1281	973	705	484	319	211	137	89	58	37	26	18	12
100%	99%	94%	86%	76%	64%	52%	41%	32%	23%	16%	10%	7%	4%	3%	2%	1%	1%	1%	0%

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°
3088	3070	2905	2659	2338	1987	1630	1287	972	707	491	325	207	131	86	58	38	26	17	11
100%	99%	94%	86%	76%	64%	53%	42%	31%	23%	16%	11%	7%	4%	3%	2%	1%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	44.4°	57.2°	99.4%	99.1%