

Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 94.0

Color temperature:

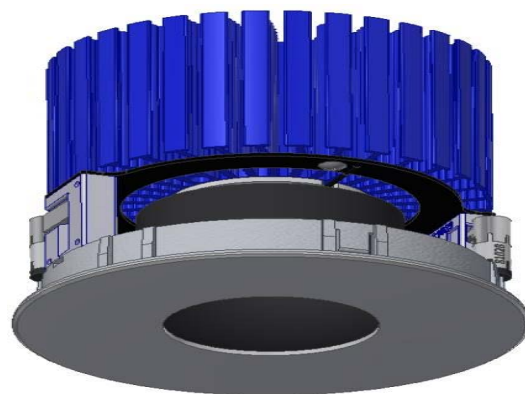
2871 K

Output: 1463 lm

Peak: 7049 cd

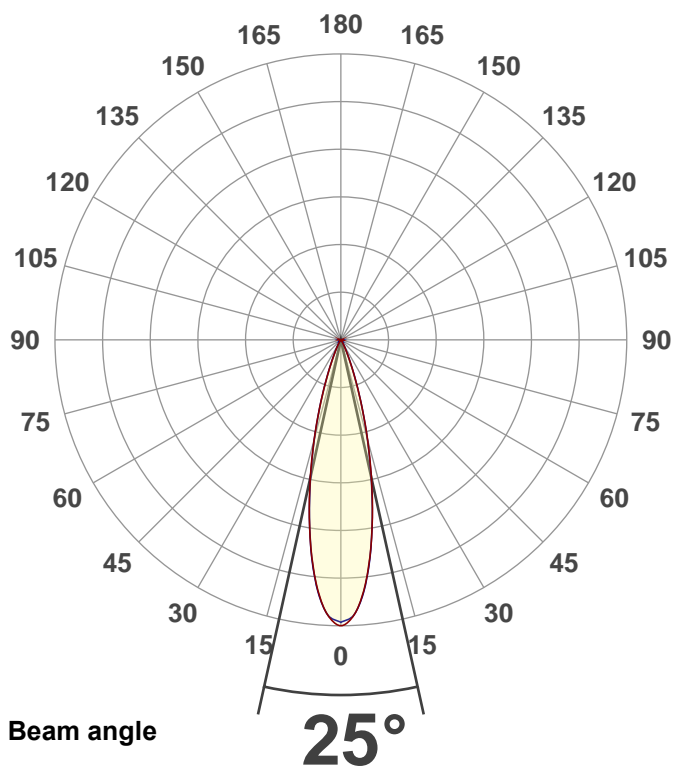
Power: 26.3 W

PF: 0.98



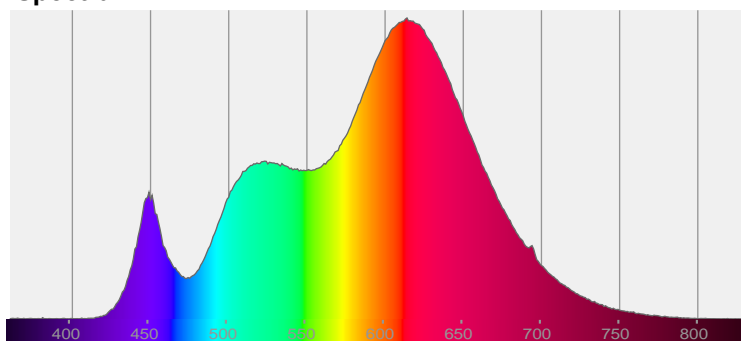
NU4-RDPH-20LM-30K-90-O25-120-DIM10-NC-WH

Date and time:
1/14/2020 9:23:34 AM

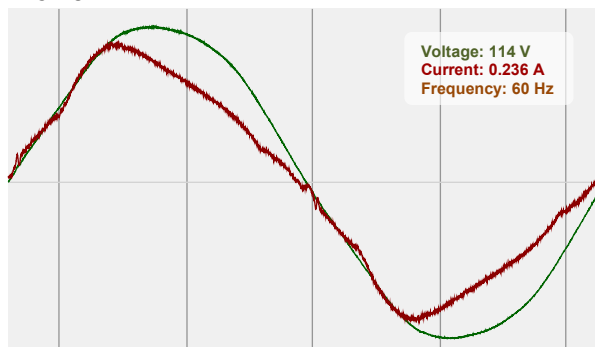


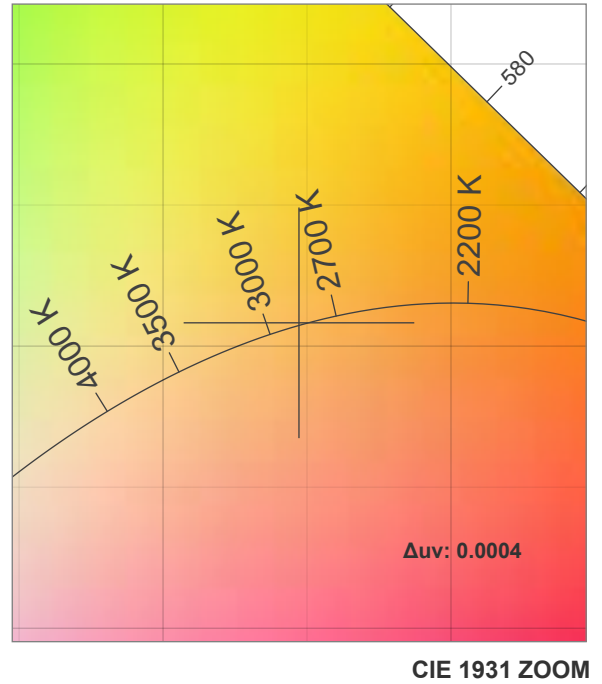
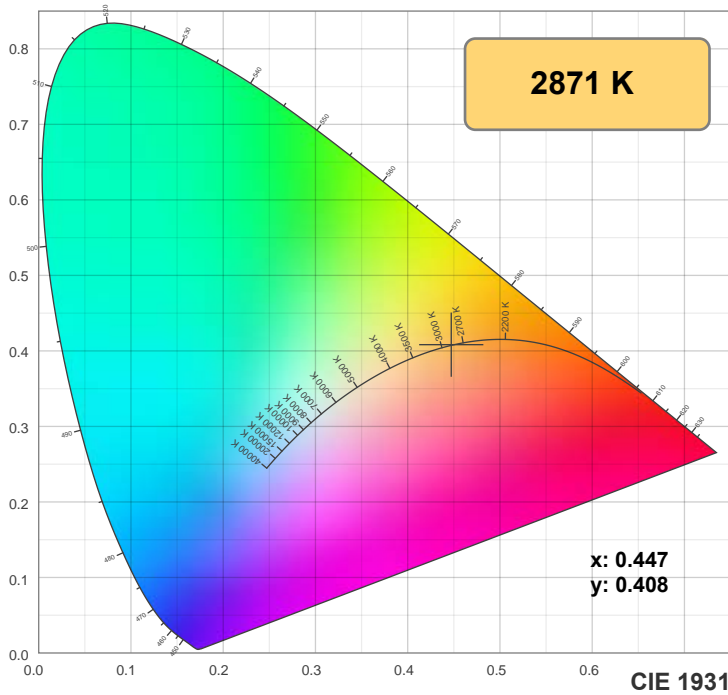
CIE 1931
x: 0.447
y: 0.408

Spectra

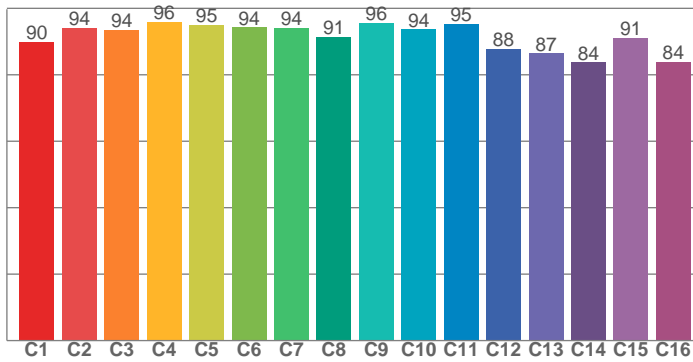


Power

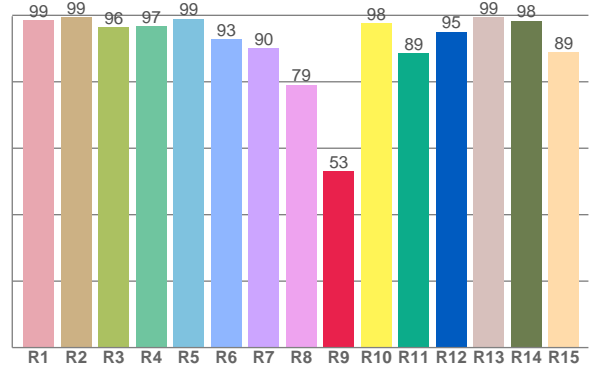




TM30: 92.1



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
98.5	99.4	96.4	96.7	99.0	92.8	90.1	79.1	53.1	97.6	88.6	95.1	99.4	98.4	88.9

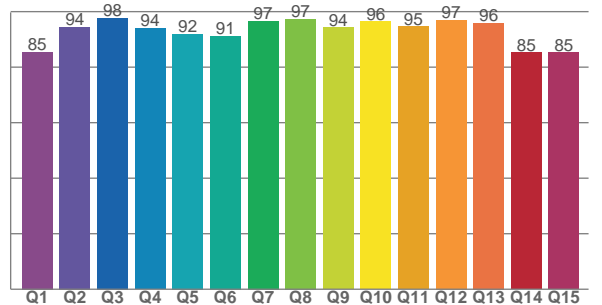
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.9	94.1	93.5	96.0	95.0	94.3	94.1	91.5	95.6	93.7	95.3	87.8	86.5	83.8	91.2	83.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85.4	94.5	97.7	94.0	92.0	91.2	96.6	97.4	94.3	96.4	94.6	97.0	96.0	85.2	85.2

CQS: 91.6



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
2871 K	94.0	53.1	92.1	100.3	91.6	0.447	0.408	0.255	0.350	0.0004

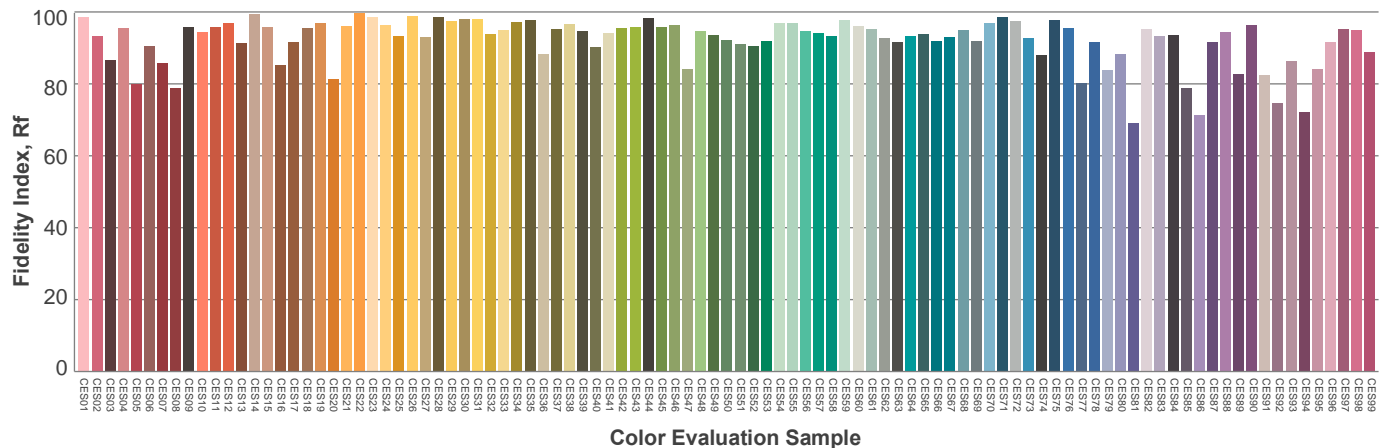
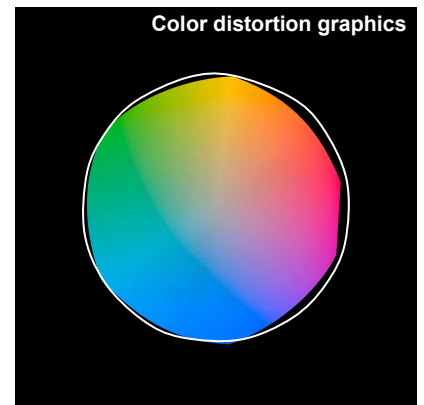
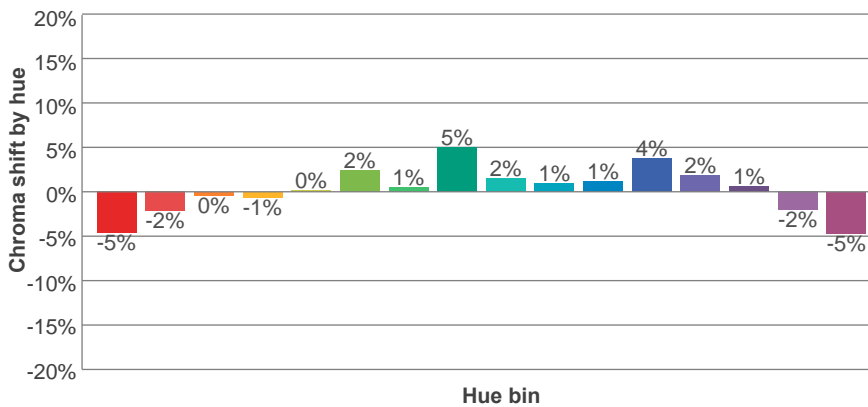
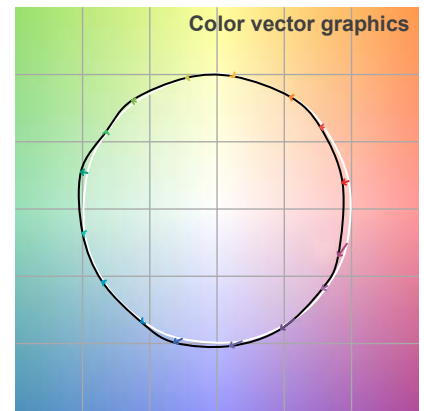
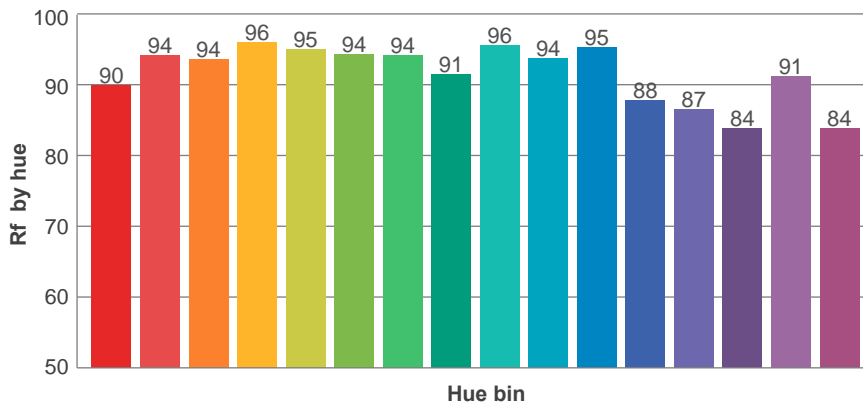
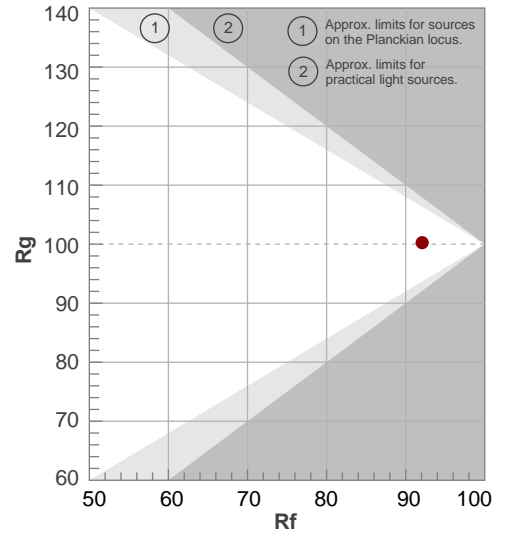
Rf 92.1

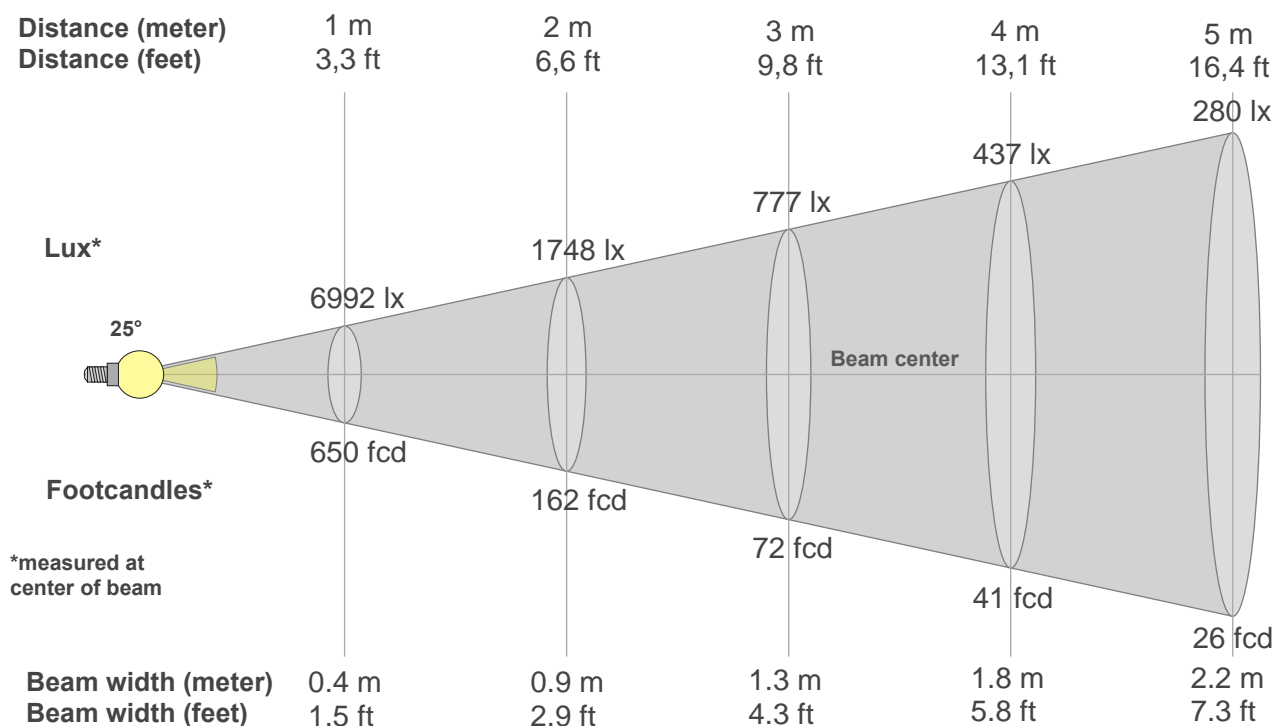
Fidelity index Rf

Rg 100.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	94	-2%	2%
3	94	0%	2%
4	96	-1%	-1%
5	95	0%	2%
6	94	2%	2%
7	94	1%	-1%
8	91	5%	0%
9	96	2%	-1%
10	94	1%	-2%
11	95	1%	-1%
12	88	4%	-5%
13	87	2%	-9%
14	84	1%	-12%
15	91	-2%	-4%
16	84	-5%	-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
6992lx	1748lx	777lx	437lx	280lx	194lx	143lx	109lx	86lx	70lx	58lx	49lx	41lx	36lx	31lx	27lx	24lx	22lx	19lx	17lx
649.5fc	162.4fc	72.2fcd	40.6fcd	26fcd	18fcd	13.3fcd	10.1fcd	8fcd	6.5fcd	5.4fcd	4.5fcd	3.8fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd

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°
6992	6908	6551	5998	5284	4500	3704	2935	2221	1581	1088	720	464	295	187	121	80	52	33	21
100%	99%	94%	86%	76%	64%	53%	42%	32%	23%	16%	10%	7%	4%	3%	2%	1%	1%	0%	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°
6992	6880	6545	5999	5293	4484	3664	2903	2206	1592	1086	705	461	296	191	124	77	49	33	23
100%	98%	94%	86%	76%	64%	52%	42%	32%	23%	16%	10%	7%	4%	3%	2%	1%	1%	0%	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°
6992	6908	6551	5998	5284	4500	3704	2935	2221	1581	1088	720	464	295	187	121	80	52	33	21
100%	99%	94%	86%	76%	64%	53%	42%	32%	23%	16%	10%	7%	4%	3%	2%	1%	1%	0%	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°
6992	6880	6545	5999	5293	4484	3664	2903	2206	1592	1086	705	461	296	191	124	77	49	33	23
100%	98%	94%	86%	76%	64%	52%	42%	32%	23%	16%	10%	7%	4%	3%	2%	1%	1%	0%	0%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	44.2°	56.7°	99.7%	99.6%