

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 84.8

Color temperature:

3023 K

Output: 2174 lm

Peak: 5166 cd

Power: 26.8 W

PF: 0.98

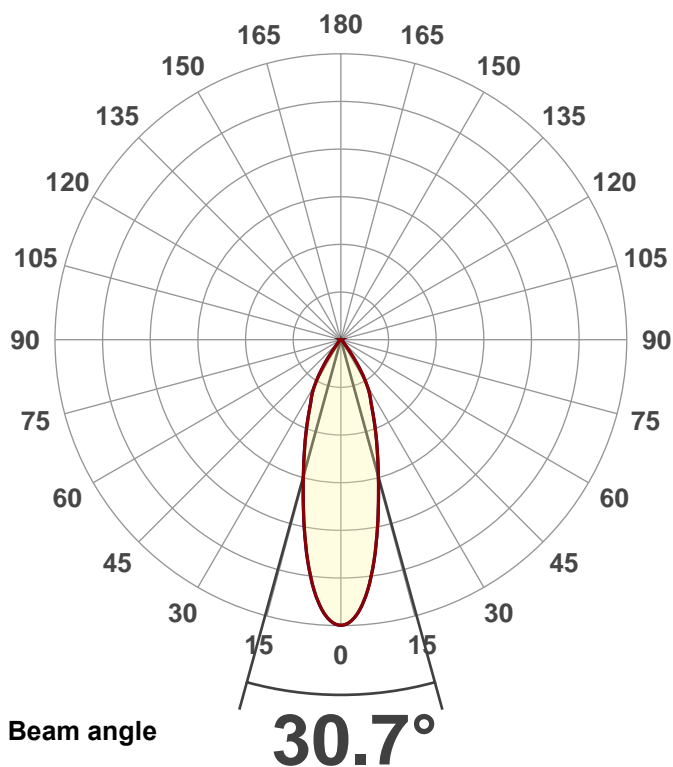


Product name:

NU4-RD-SW-30LM-30K-80-
SS30-120-DIM10-NC-WH-WH

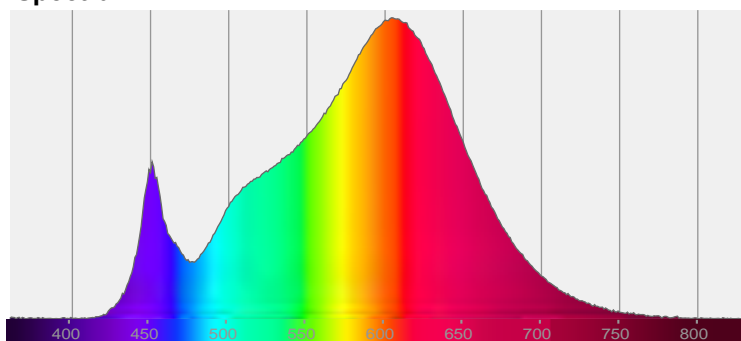
Date and time:

8/3/2018 3:03:31 PM

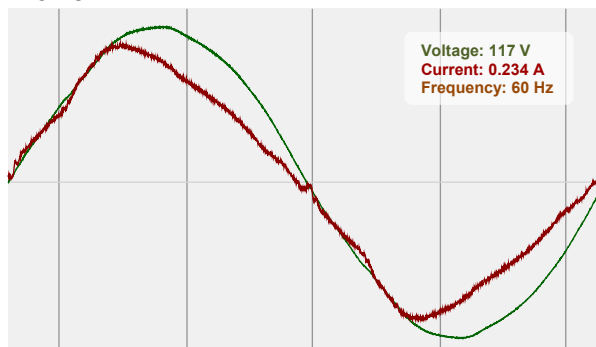


CIE 1931
x: 0.438
y: 0.410

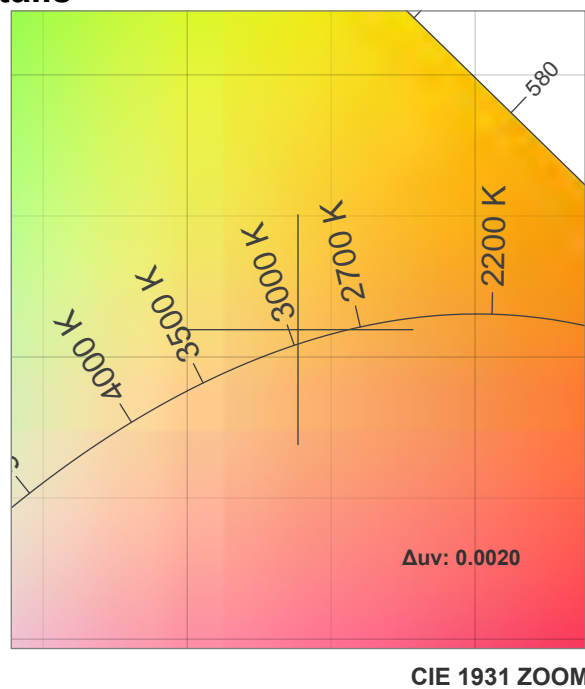
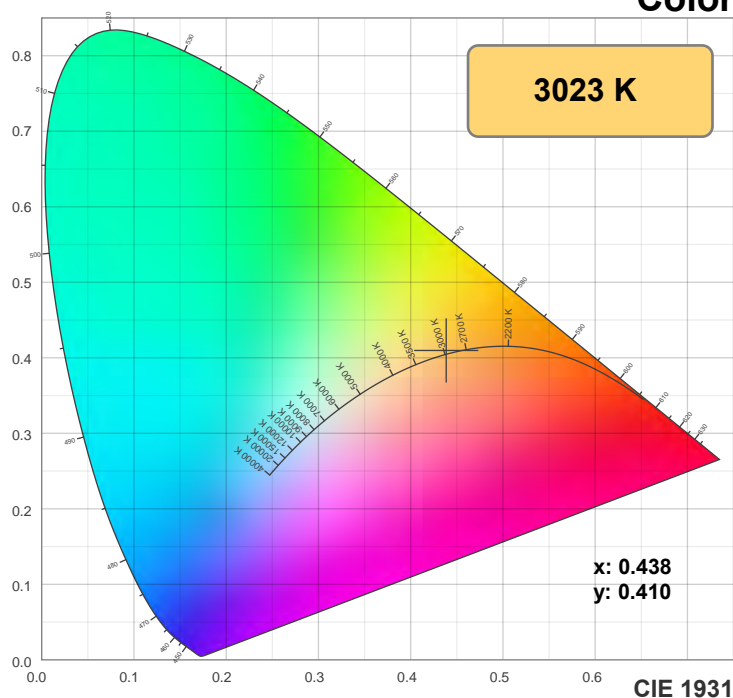
Spectra



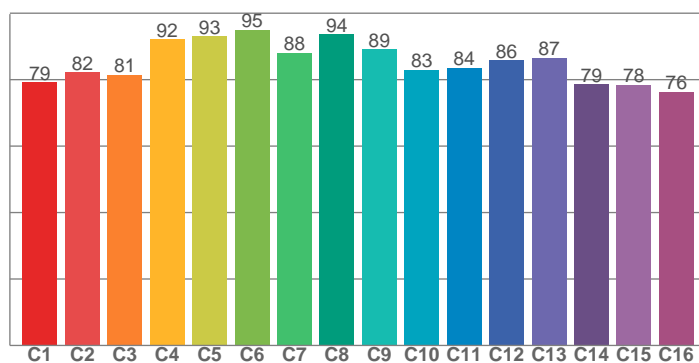
Power



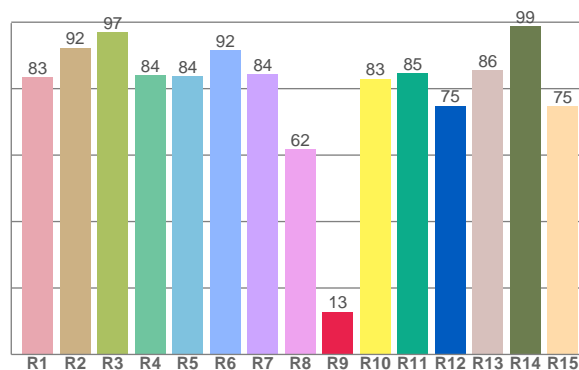
Color details



TM30: 85.6



CRI: 84.8 (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
83.4	92.3	96.9	84.0	83.8	91.7	84.3	61.9	12.8	82.9	84.6	74.9	85.6	98.9	74.6

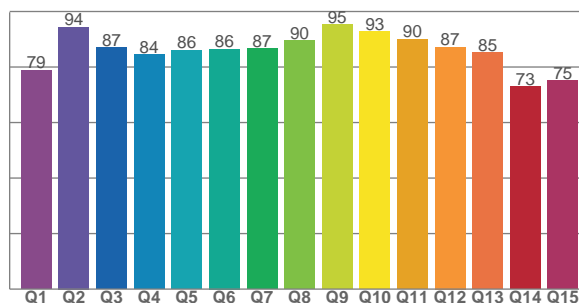
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.2	82.2	81.4	92.1	93.0	94.9	88.1	93.6	89.1	82.9	83.6	85.8	86.6	78.6	78.3	76.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	94.4	87.0	84.4	86.1	86.5	86.5	89.6	95.2	92.7	90.0	87.2	85.2	72.9	75.1

CQS: 84.6



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
3023 K	84.8	12.8	85.6	95.1	84.6	0.438	0.410	0.249	0.349	0.0020

TM30 details

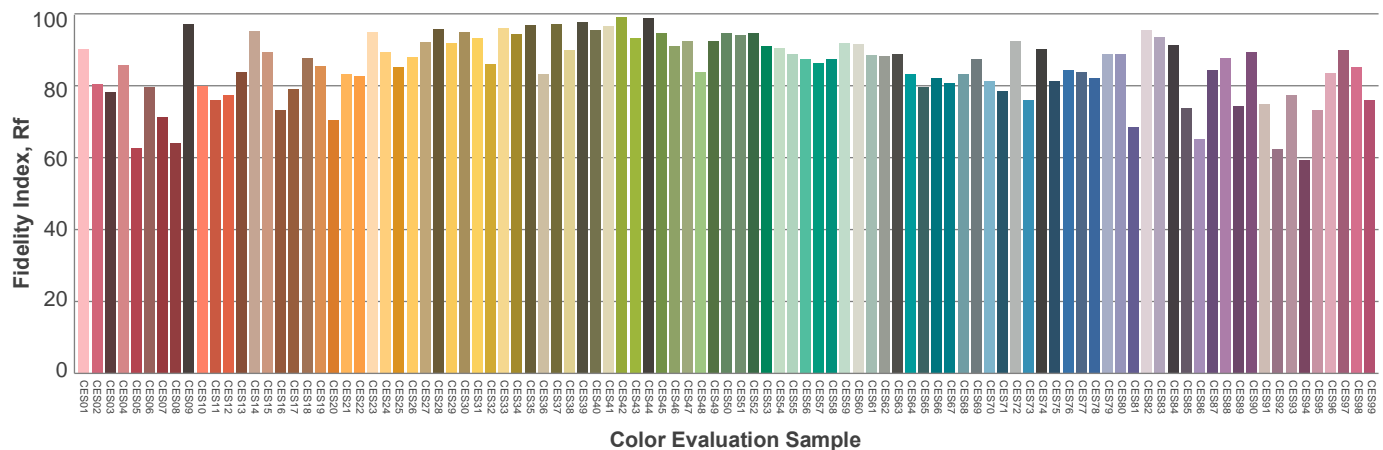
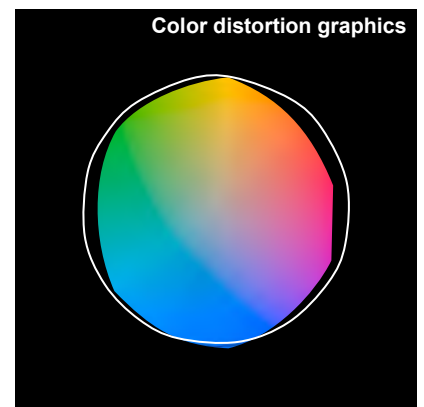
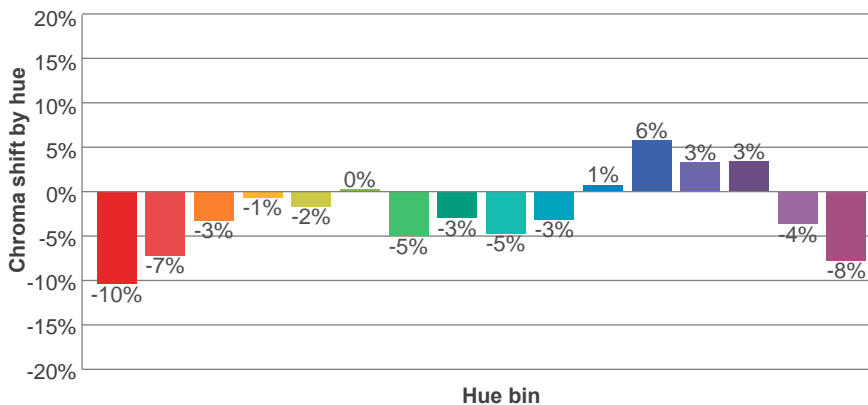
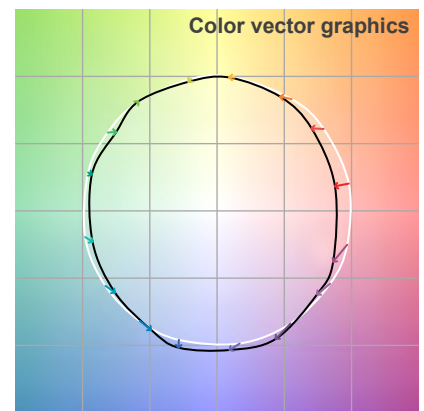
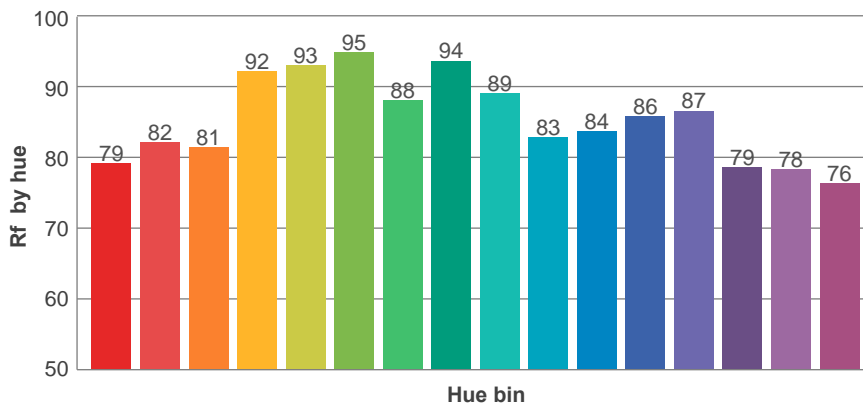
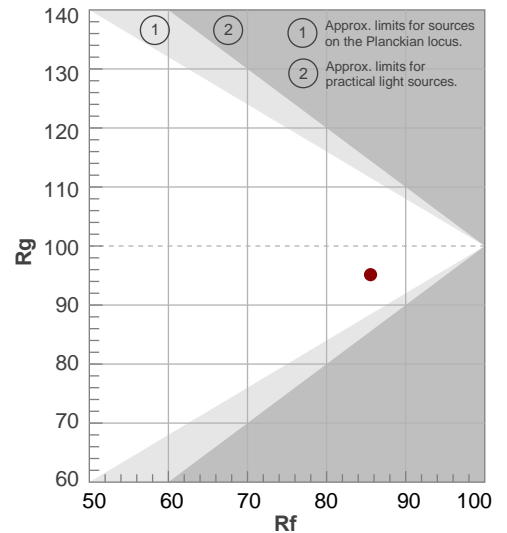
Rf 85.6

Fidelity index Rf

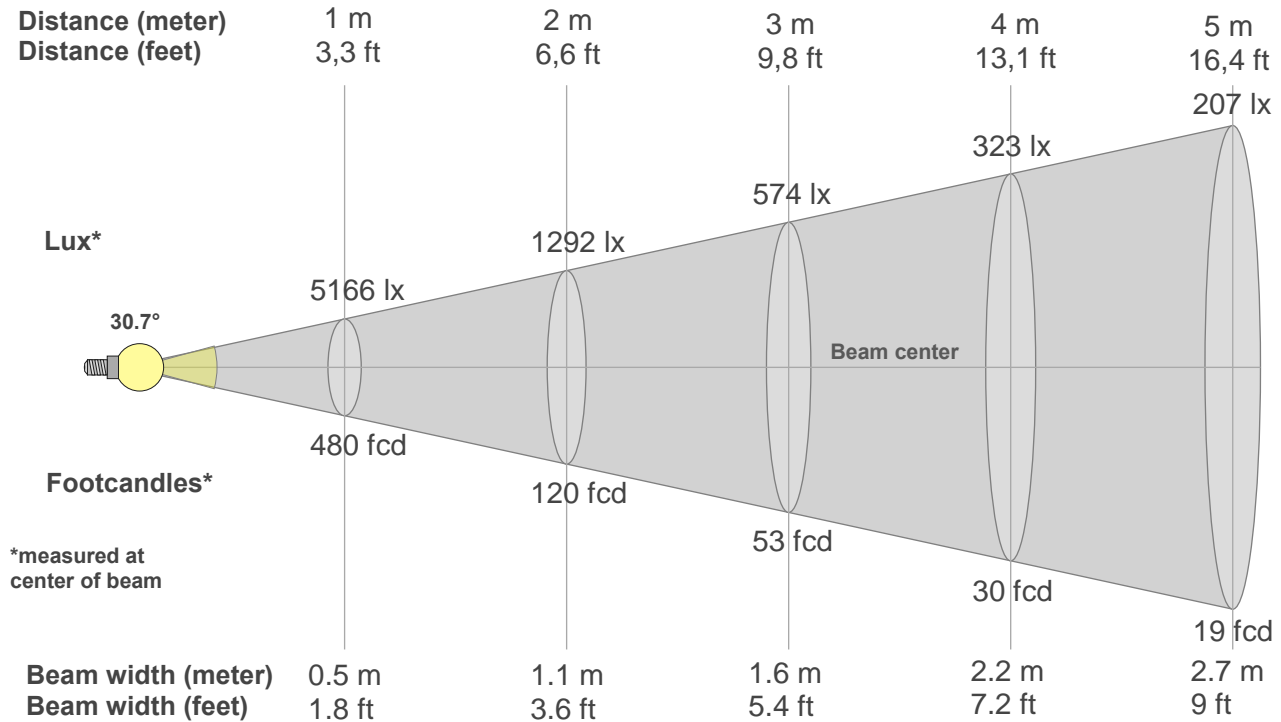
Rg 95.1

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	82	-7%	5%
3	81	-3%	8%
4	92	-1%	4%
5	93	-2%	3%
6	95	0%	-1%
7	88	-5%	-4%
8	94	-3%	1%
9	89	-5%	4%
10	83	-3%	8%
11	84	1%	11%
12	86	6%	1%
13	87	3%	-8%
14	79	3%	-15%
15	78	-4%	-12%
16	76	-8%	-14%



Beam details



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
5166lx	1292lx	574lx	323lx	207lx	144lx	105lx	81lx	64lx	52lx	43lx	36lx	31lx	26lx	23lx	20lx	18lx	16lx	14lx	13lx
479.9fc	120fcd	53.3fcd	30fcd	19.2fcd	13.3fcd	9.8fcd	7.5fcd	5.9fcd	4.8fcd	4fcd	3.3fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd

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°
5166	5102	4912	4596	4177	3720	3264	2839	2464	2151	1879	1634	1419	1241	1110	933	736	535	349	197
100%	99%	95%	89%	81%	72%	63%	55%	48%	42%	36%	32%	27%	24%	21%	18%	14%	10%	7%	4%

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°
5166	5102	4912	4596	4177	3720	3264	2839	2464	2151	1879	1634	1419	1241	1110	933	736	535	349	197
100%	99%	95%	89%	81%	72%	63%	55%	48%	42%	36%	32%	27%	24%	21%	18%	14%	10%	7%	4%

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°
5166	5102	4912	4596	4177	3720	3264	2839	2464	2151	1879	1634	1419	1241	1110	933	736	535	349	197
100%	99%	95%	89%	81%	72%	63%	55%	48%	42%	36%	32%	27%	24%	21%	18%	14%	10%	7%	4%

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°
5166	5102	4912	4596	4177	3720	3264	2839	2464	2151	1879	1634	1419	1241	1110	933	736	535	349	197
100%	99%	95%	89%	81%	72%	63%	55%	48%	42%	36%	32%	27%	24%	21%	18%	14%	10%	7%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.7°	68.4°	79.8°	98.5%	96.0%