

Light efficiency:

100 Lumen/Watt

Light quality:

CRI: 85.0

Color temperature:

3010 K

Output: 672 lm

Peak: 373 cd

Power: 6.7 W

PF: 0.92

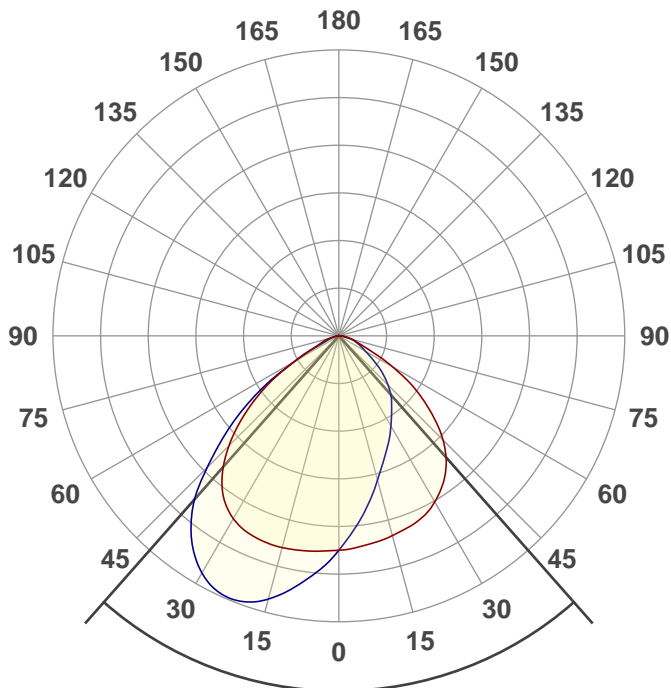


Product name:

NU4-QW-SW-07LM-30K-80-WW-120-DIM10-NC-WH-WH

Date and time:

6/6/2019 4:13:16 PM



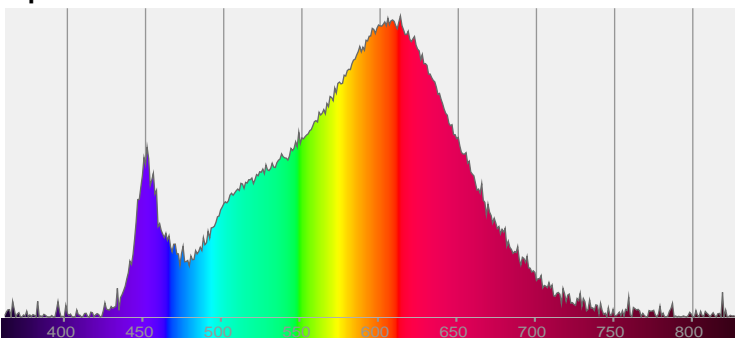
Beam angle

82.9°

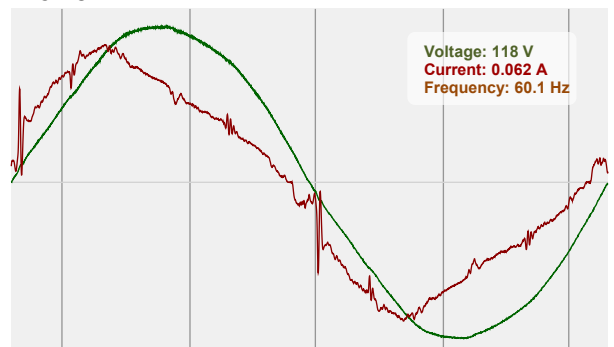


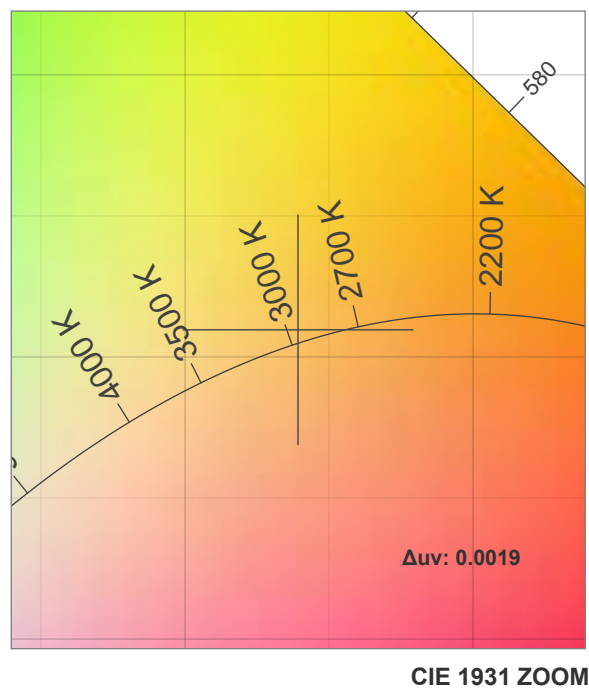
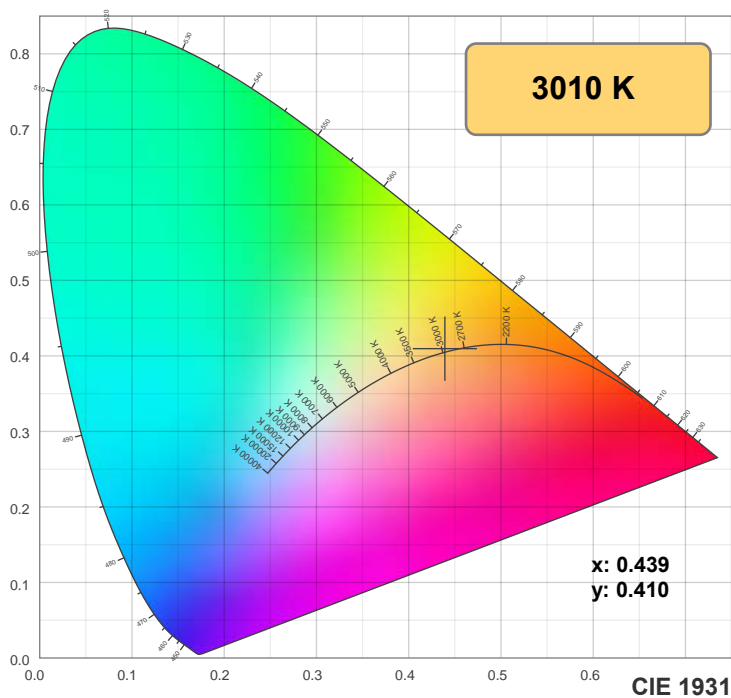
CIE 1931
x: 0.439
y: 0.410

Spectra

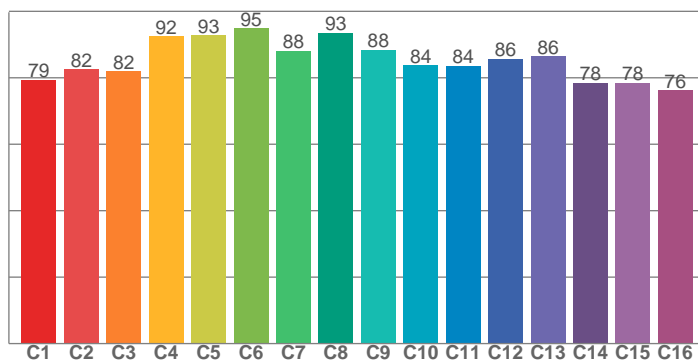


Power

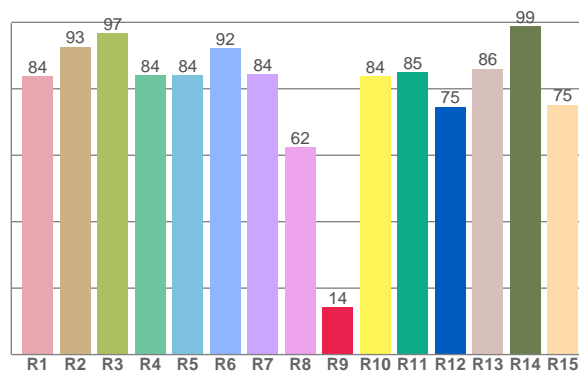




TM30: 85.5



CRI: 85.0 (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
83.8	92.7	96.7	84.2	84.2	92.1	84.3	62.3	14.3	83.8	84.9	74.6	86.0	98.8	75.2

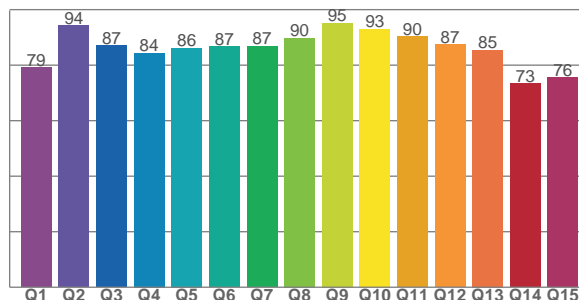
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	82.5	81.9	92.4	92.7	94.9	88.1	93.4	88.4	83.7	83.5	85.7	86.4	78.5	78.4	76.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.1	94.2	87.1	84.4	86.2	86.7	86.8	89.7	95.1	93.0	90.3	87.5	85.4	73.4	75.5

CQS: 84.9



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
3010 K	85.0	14.3	85.5	95.1	84.9	0.439	0.410	0.250	0.349	0.0019

TM30 Details

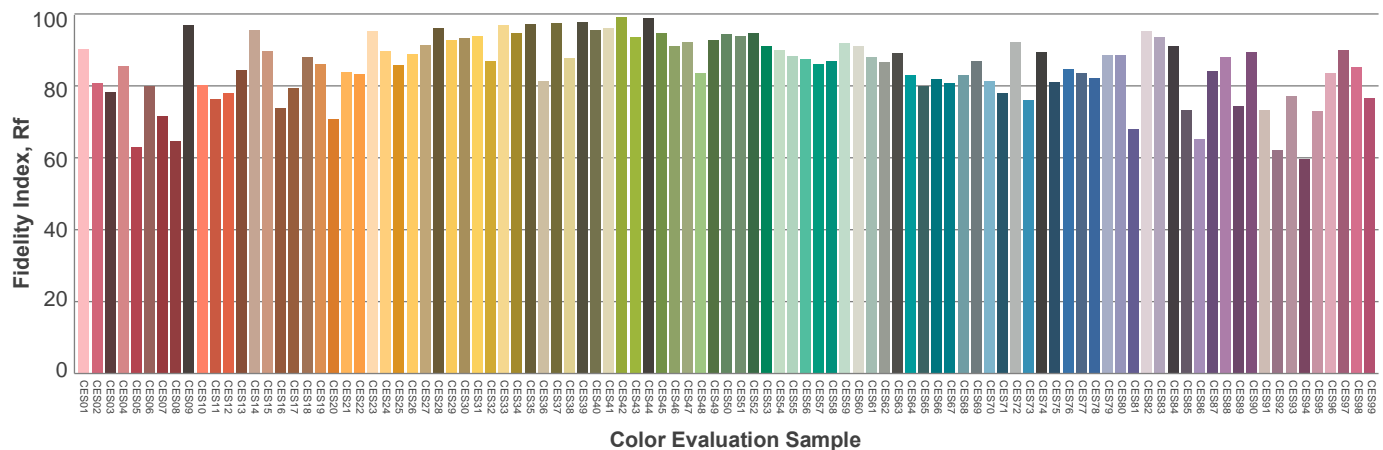
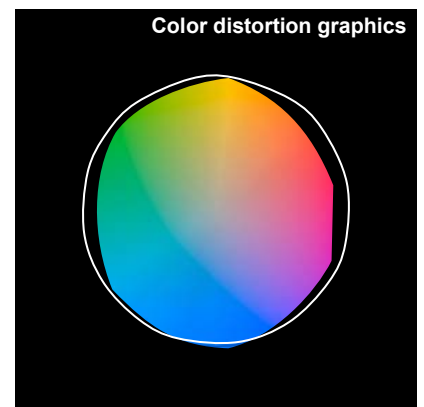
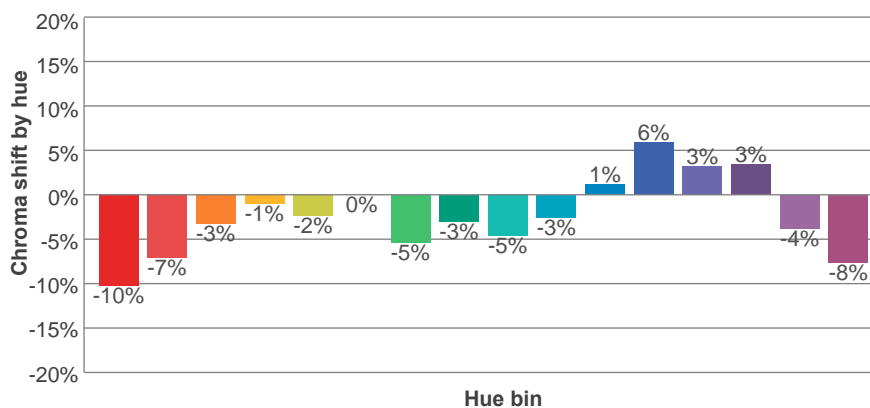
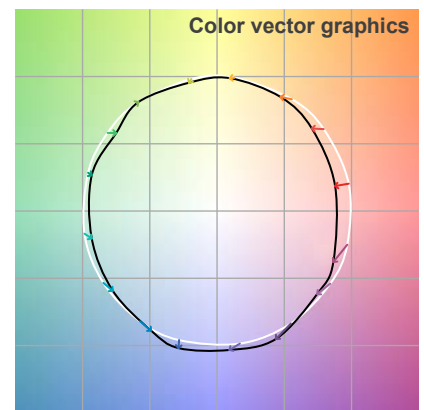
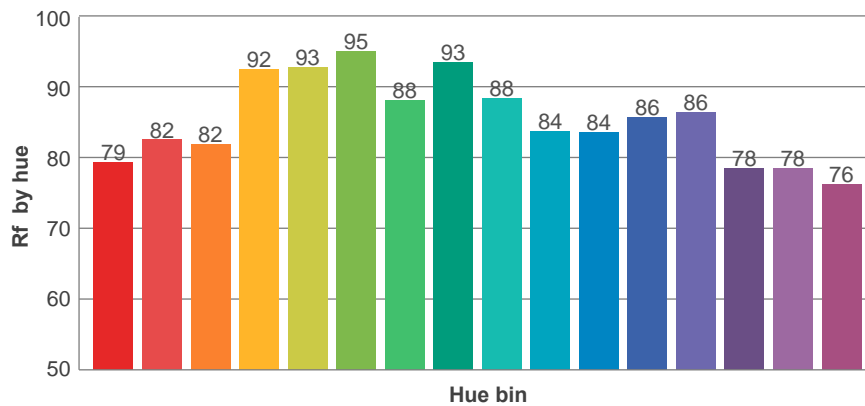
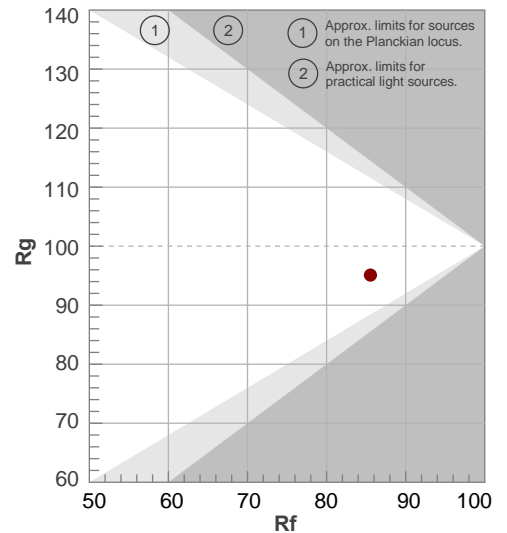
Rf 85.5

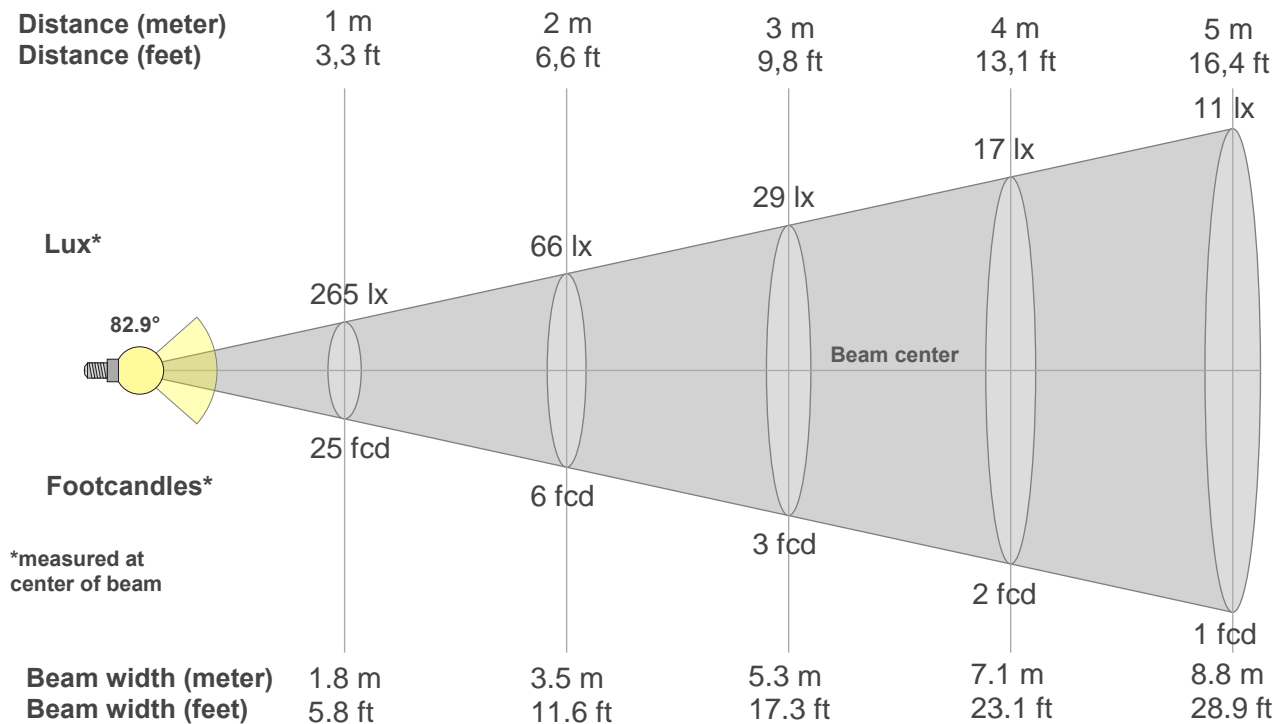
Fidelity index Rf

Rg 95.1

Gamut index Rg

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





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
265lx	66lx	29lx	17lx	11lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
24.6fcd	6.1fcd	2.7fcd	1.5fcd	1fcd	0.7fcd	0.5fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
265	262	259	255	251	246	236	223	205	181	150	115	77	43	25	18	10	4	0	0
100%	99%	98%	96%	95%	93%	89%	84%	78%	68%	57%	44%	29%	16%	9%	7%	4%	2%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
265	237	211	185	163	145	129	114	101	86	69	52	38	29	22	15	7	3	0	0
100%	90%	80%	70%	62%	55%	49%	43%	38%	32%	26%	20%	14%	11%	8%	6%	3%	1%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
265	267	269	270	270	267	260	246	223	191	153	111	65	33	20	13	6	2	1	0
100%	101%	102%	102%	102%	101%	98%	93%	84%	72%	58%	42%	25%	12%	8%	5%	2%	1%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
265	291	315	335	348	348	337	314	280	230	176	122	65	27	14	7	3	1	1	0
100%	110%	119%	127%	131%	132%	127%	119%	106%	87%	67%	46%	25%	10%	5%	3%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
82.9°	132.4°	156.4°	90.3%	64.7%